

**ESOGU DEPARTMENT OF ARCHITECTURE COURSE INFORMATION PACKAGE**

**FIRST YEAR**

**FALL**

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| **DEPARTMENT OF ARCHITECTURE 2021** | | | | | |
| **FIRST YEAR FALL** | | **TEO** | **UYG** | **KRD** | **ECTS** |
| 152011206 | Calculus | 2 | 0 | 2 | 2 |
| 152011210 | Presentation Techniques | 2 | 0 | 2 | 3 |
| 152011181 | Turkish Language I | 2 | 0 | 0 | 2 |
| 152011202 | Tasarima Giriş 101 | 4 | 8 | 8 | 12 |
| 152011203 | Introduction To Architecture 121 | 3 | 0 | 3 | 3 |
| 152011204 | Visual And Graphic Communication 151 | 1 | 4 | 3 | 5 |
| 152011207 | Advanced Reading And Writing I | 2 | 0 | 0 | 2 |
|  |  |  |  | **16** | **29** |

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152011181 | **COURSE NAME** | Turkish Language I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 1 | 2 | | 0 | 0 | | 0 | | 2 | COMPULSORY (X ) ELECTIVE () | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 50 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 50 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Definition of language, language families on the world and Turkish’s place among the world languages, the historical development of Turkish written language, phonetic word recognition events in Turkish. Gain the ability to write proper composition. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Informing students about the current state of development and the richness of Turkish language, bring awareness of a national language, literally to know about the subtleties about Turkish and be able to use them in their daily lives to ensure. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Provides to students speak and write Turkish correctly write in their daily lives, gain the ability to express themselves in the best way to themselves and their works in their jobs. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students will express language families on the world and Turkish’s place among the world languages. Define the rules of Turkish. Makes a difference to sound events  Apply the spelling rules.  Spelling rules apply.  Create written and oral composition. Use the language correctly. | | | | | | | | |
| **TEXTBOOK** | | | | | Kültür, M. E., 1997, Üniversiteler İçin Türk Dili, Bayrak Yayınları, İstanbul. | | | | | | | | |
| **OTHER REFERENCES** | | | | | Kaplan, M., 1993, Kültür ve Dil, 8. baskı, Dergah Yayınları, İstanbul. Fuat, M., 2001, Dil Üstüne, Adam Yayınları, İstanbul. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | DVD, VCD, projector, computer | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Definition and Characteristics of Language |
| 2 | Languages on the world and Turkish’s place among the world languages from origin and structure sides |
| 3 | Language Importance for culture and nationality, Language Policies |
| 4 | Speech Language and Specifications (Polish, Accent, Oral) |
| 5 | Writing Language and Specifications |
| 6 | Mid-Term Examination 1 |
| 7 | Classification of Sounds |
| 8 | Volume Changes, Sound Events |
| 9 | Rules of Writing |
| 10 | Rules of Writing |
| 11 | Mid-Term Examination 2 |
| 12 | Rules of Writing |
| 13 | Written Composition Studies |
| 14 | Studies of planned essay writing |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**

**Signature**: **Date:**

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152011206 | **COURSE NAME** | Calculus |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 1 | 2 | | 0 | 0 | | 2 | | 2 | COMPULSORY (X ) ELECTIVE () | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 25 |
| 2nd Mid-Term | | | | | 1 | | | 25 |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 50 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Functions, limit and continuity, derivative, applications of derivative, indefinite integrals, definite integrals, applications of integrals, generalized integrals, polar coordinates | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Students are introduced to the basic concepts of mathematics, such as function, limit, continuity, derivative and integral, and are introduced to the application rules to use when necessary. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Students will be able to solve mathematical problems and analyze the properties of change in a modeled system. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Sufficient knowledge of mathematics; ability to apply theoretical and practical knowledge in this field to modeling and solving architectural and engineering problems | | | | | | | | |
| **TEXTBOOK** | | | | | Balcı, M.,2008, Genel Matematik 1, Balcı Yayınları,Ankara | | | | | | | | |
| **OTHER REFERENCES** | | | | | Balcı, M.,2007, Genel Matematik Problemleri 1, Balcı Yayınları,Ankara | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Lecture and applications | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Function concept and properties |
| 2 | Some special functions and practical graphic drawings |
| 3 | Trigonometric, exponential, logarithmic and hyperbolic functions |
| 4 | Limit |
| 5 | Continuity |
| 6 | First Midterm Exam |
| 7 | Derivative and derivative rules |
| 8 | Derivative of trigonometric, logarithmic, exponential and hyperbolic functions, higher order derivatives. |
| 9 | L’Hospital rule, geometric meaning of derivative, maximum-minimum problems |
| 10 | Curve drawings, Indefinite integral |
| 11 | Second Midterm Exam |
| 12 | Integration methods, definite integral |
| 13 | Integral applications |
| 14 | Generalized integral, Polar coordinates |
| 15,16 | Semester final exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**

**Signature**:

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| **SEMESTER** | Fall 1 |

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| **COURSE CODE** | 152011202 | **COURSE NAME** | Introduction to Design 101 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 1 | 4 | | 8 | 0 | | 8 | | 12 | COMPULSORY ( X) ELECTIVE (  ) | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| X | |  | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | | 1 | %45 |
| Report | | | |  |  |
| Others (3rd mid-term) | | | |  |  |
| **FINAL EXAM** | | | | | Project | | | | 1 | %55 |
| **PREREQUIEITE(S)** | | | | | None | | | | | |
| **COURSE DESCRIPTION** | | | | | To make students to develop an understanding of basic design principles and design process,  and within this context, to make them to gain the required intellectual infrastructure and skills, a number of design problems are formulated. The solutions to the formulated problems are developed on the basis of making-evaluation-remaking process, and both the process and the products are discussed either in the form of group discussions, or in terms of table critics. | | | | | |
| **COURSE OBJECTIVES** | | | | | Course aims the students to develop a basic notion of design, and develop an intellectual-technical infrastructure concerning design. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | This is the very essential course to make students to develop their basic notions, skills, and understanding of design, required for their life as a professional architect. | | | | | |
| **COURSE OUTCOMES** | | | | | Students are expected to develop a basic notion of design. They are also expected to develop an intellectual and technical infrastructure concerning design. | | | | | |
| **TEXTBOOK** | | | | | None | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | All types of modeling and drawing equipment/material | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction to course, Studio work, panel and table discussions |
| 2 | Studio work, panel and table discussions |
| 3 | Studio work, panel and table discussions |
| 4 | Studio work, panel and table discussions |
| 5 | Studio work, panel and table discussions |
| 6 | Studio work, panel and table discussions |
| 7 | Studio work, panel and table discussions |
| 8 | Studio work, panel and table discussions |
| 9 | Studio work, panel and table discussions |
| 10 | Studio work, panel and table discussions |
| 11 | Studio work, panel and table discussions |
| 12 | Final exercise, Studio work, panel and table discussions |
| 13 | Studio work, panel and table discussions |
| 14 | Studio work, panel and table discussions |
| 15,16 | Final Jury. |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **X** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**  Prof.Dr. Hakan Anay

**Signature**:                                                                                                             **Date:** 14.12.11

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152011207 | **COURSE NAME** | Advanced Reading and Writing I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 1 | 2 | | - | - | | 0 | | 2 | COMPULSORY (X) ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 20 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 20 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | | 1 | | | 20 |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | For students to gain the ability to read, understand and discuss the educational materials and present, defend and realize their projects in education life and professional life they are in need of learning technical English and abilities to written and spoken communication techniques. In order to achieve that this lecture is suggested. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is for students to gain the abilities to read, and understand the materials related to the Architecture discipline and be able to write, discuss and comment in English | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Helping to improve students skills in reading, understanding and discussing the educational materials written in English | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Improve technical vocabulary  Improve effective communication skills  Gain a knowledge of contemporary issues  Gain ability to present and defend a project in English | | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | | |
| **OTHER REFERENCES** | | | | | English architecture, design and art journalsEnglish Data basesEnglish Printed publications | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Writing tools, dictionary, computer, projector, sound systems and necessary software for presentations. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introductions |
| 2 | English technical vocabulary exercises, reading and understanding |
| 3 | English technical vocabulary exercises, reading and understanding |
| 4 | Reading and understanding articles |
| 5 | Reading and understanding articles |
| 6 | I. Mid Term |
| 7 | Writing techniques |
| 8 | Writing exercises |
| 9 | Writing exercises |
| 10 | Writing exercises |
| 11 | II. Mid Term |
| 12 | Reading, understanding articles and writing commentaries |
| 13 | Reading, understanding articles and writing commentaries |
| 14 | Reading, understanding articles and writing commentaries |
| 15,16 | Final exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **x** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **x** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Associate Professor Gökçe Ketizmen

**Signature**:  **Date:** 05.09.2012

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| **SEMESTER** | FALL |

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| **COURSE CODE** | 152011210 | **COURSE NAME** | Presentation Techniques |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 1 | 1 | | 0 | 2 | | 0 | | 3 | COMPULSORY (X) ELECTIVE ( ) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| %10 | | %20 | | | | |  | | | |  | %70 | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 20 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 20 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 60 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Concept of architectural design, design principals and components. Simulation techniques, traditional and contemporary approaches to design and visual communication. Representation in architectural design, visuality and perception .Various examples of architectural presentation. Contemporary tools and design principles. Explanation and application of presentation tools and techniques for examples of various scales. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The architectural design process and visual communication tools, used by the architectural design process will be analyzed and benefits of these tools will be explained. Representation methods, visuality and perception will be discussed. Examples of various scales and techniques of architectural presentation will be explained to students to carry out into their design practice. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Students how to use presentation tools, as well as three-dimensional spaces in the same way that the representation in the virtual 3-D environment to learn. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students will be able to,  1.Verbal and writing skills  2.Graphic skills  3.Research and Collaborative skills  4.Comprehensive Design  5.The Context of Architecture | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | | -Akın.O.&Weinel,F.E. ed., Representation and Architecture, Information Dyn.Inc.,ML-USA,1982.  - Barry A.M., ed., Visual intelligence: perception, image, and manipulationin visual communication, UNY Press, 1997.  -Beckmann J., ed., The virtual dimension: architecture, representation, and crash culture, Princeton Architectural Press, 1998.  -Cowen,T., Creative Destruction, Princeton Univ.Press,USA.,2001.  -Cuff,D., A.rchitecture:The Story of Practice, MIT Press, Camb.Mass.-USA.,1992  -Fraser I., Henmi R., ed., Envisioning Architecture: An Analysis of Drawing, John Wiley&Sons,Inc., 1993.  - Hyland K. ed., Second language writing, Cambridge University Press, 2003.  -Laseau P., ed., Graphic thinking for architects & designers,John Wiley&Sons,Inc.,2000.  - Lester P.M., ed., Visual communication: images with messages, Cengage Learning, 2005.  -Peng,C., Design Through Digital Interaction, Cromwell Pres,UK.,2001.  -Pérez-Gomez A. & Pelletier L. ed., Architectural Representation and the PerspectiveHinge, MIT Press, Camb.Mass.London, 1997.  -Porter T., ed., Selling Architectural Ideas, Taylor & Francis, 2000.  -Van Leeuwen&Jewitt ed., Handbook of Visual Analysis, SAGE Publ.-London.-UK.,2002. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Architectural design and principals |
| 3 | Visual communication tools in architectural design; traditional and contemporary approaches |
| 4 | Visual communication tools in architectural design; traditional and contemporary approaches |
| 5 | Represention in architecture, visuality and perception |
| 6 | Represention in architecture ; Seminar |
| 7 | Presentation in architecture, principals, contemporary tools and approaches |
| 8 | Presentation in architecture, principals, contemporary tools and approaches |
| 9 | Presentation techniques, tools ,principals and approaches I |
| 10 | Presentation techniques, tools ,principals and approaches II |
| 11 | Presentation of term paper drafts |
| 12 | Valuation of examples |
| 13 | Valuation of examples |
| 14 | Valuation of examples |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **X** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  |  | **X** |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realizationin fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):**Tarkan TAŞKIN

**Signature**:  **Date:**

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| **SEMESTER** | FALL |

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| **COURSE CODE** | 152011203 | **COURSE NAME** | Introduction to Architecture 121 |

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| **SEMESTER** | | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | | | | | |
| **Theory** | | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** | |
| 1 | | 3 | | | - | - | | 3 | | 3 | COMPULSORY (X) ELECTIVE ( ) | | | | English | |
| **COURSE CATAGORY** | | | | | | | | | | | | | | | | |
| **Architectural Design** | | | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | | |
|  | | | | X | | | | |  | | | |  |  | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | | | | |
| **MID-TERM** | | | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** | |
| 1st Mid-Term | | | | | 1 | | | 30 | |
| 2nd Mid-Term | | | | | 1 | | | 30 | |
| Quiz | | | | | - | | | - | |
| Homework | | | | | 1 | | | 10 | |
| Project | | | | | - | | | - | |
| Report | | | | | - | | | - | |
| Others (………) | | | | | - | | | - | |
| **FINAL EXAM** | | | | | | |  | | | | | 1 | | | 30 | |
| **PREREQUIEITE(S)** | | | | | | | - | | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | | | HTC 121 is the first in a series of History Theory & Criticism track offered to students interested in majoring in Architecture. This course offers an introduction to the conceptual, perceptual and technical aspects behind architectural design, concepts of space, form, geometry, order, etc. | | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | | | The objective of the course is to introduce the scope of the discipline of architecture: its history, theories, methodologies; its manners of thinking and working. It offers an overview of architecture in the framework of associated disciplines. Introduction of architectural vocabulary is an essential objective.Students are expected to attain the knowledge on fundamentals of architectural design by discerning elements of design such as form, shape, color, texture, through precedent architectural examples. Perception of architecture is emphasized as an expression of various ideas and design approaches. | | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | | | It presents an opportunity to architectural students to be equipped with the basic knowledge and understanding of architectural design and develop it. | | | | | | | | | |
| **COURSE OUTCOMES** | | | | | | | Get a basic introduction to the thought contents of architectural design. | | | | | | | | | |
| **TEXTBOOK** | | | | | | | Read, H. Education through Art.  Munro, T. Form and Style in the Visual Arts.  Jackson, T. G. Architecture.  Scott, G. The Architecture of Humanism.  Le Corbusier, Towards a New Architecture.  Rasmussen, S. E. Experiencing Architecture.  Broadbent, G. Design in Architecture.  Goodman, P. Utopian Essays and Practical Proposals.  Philipson , M. Aesthetics Today.  Machlis, The Employment of Music | | | | | | | | | |
| **OTHER REFERENCES** | | | | | | |  | | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | | | Computer or notebook, projection system and screen, blackboard. etc. | | | | | | | | | |
| **COURSE SYLLABUS** | | | | | | | | | | | | | | |
| **WEEK** | | **TOPICS** | | | | | | | | | | | | |
| 1 | | Art - Read, H. "Definition of Art" from Education through Art. | | | | | | | | | | | | |
| 2 | | Form - Munro, T. "Types of Design in Various Arts" from Form and Style in the Visual Arts. | | | | | | | | | | | | |
| 3 | | Purpose of Design - Jackson, T. G. "Introduction" from Architecture. | | | | | | | | | | | | |
| 4 | | Architectural Form - Scott, G. "Introduction" from The Architecture of Humanism. | | | | | | | | | | | | |
| 5 | | Visual Perception - Le Corbusier, "Regulating Lines" from Towards a New Architecture. | | | | | | | | | | | | |
| 6 | | Scale and Proportion - Rasmussen, S. E. "Proportion and Scale" from Experiencing Architecture. | | | | | | | | | | | | |
| 7 | | Light - Rasmussen, S. E. "Daylight in Architecture" from Experiencing Architecture. | | | | | | | | | | | | |
| 8 | | Color - Rasmussen. S. E. "Color in Architecture" from Experiencing Architecture. | | | | | | | | | | | | |
| 9 | | Solids and Cavities in Architecture - Rasmussen. S. E. "Solids and Cavities in Architecture" from Experiencing Architecture. | | | | | | | | | | | | |
| 10 | | Structure - Broadbent, G. "Introduction" from Design in Architecture. | | | | | | | | | | | | |
| 11 | | Programme - Goodman, P. "Seating Arrangements" from Utopian Essays and Practical Proposals. | | | | | | | | | | | | |
| 12 | | Programme - Broadbent, G. "The Architect at Work" from Design in Architecture. | | | | | | | | | | | | |
| 13 | | Theory - Schapiro, M. "Style" from Aesthetics Today. ed. by Morris Philipson. | | | | | | | | | | | | |
| 14 | | Theory - Machlis, "Classicism"; "Romanticism" from The Employment of Music. | | | | | | | | | | | | |
| 15,16 | |  | | | | | | | | | | | | |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Prof. Dr. Hakan Anay

**Signature**: **Date:** 14.12.2023

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152011204 | **COURSE NAME** | **Visual and Graphic Communication 151** |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 1 | 1 | | 4 | 0 | | 3 | | 5 | COMPULSORY ✔ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | | X | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 15 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Studioworks and weekly drawing assignments) | | | | | 1 | | | 60 |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 25 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | This is an introductory course of building science and technology with the aim of establishing basic communication skills. Students are expected to acquire knowledge on visual, two-dimensional, and three-dimensional communication tools and obtain ability to utilize these communication tools in analysis of building components. Thus, the importance of construction drawing and presentation techniques is emphasized throughout the course. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course aims to provide fundamental skills of drawing and visual communication and use of drawing materials and media such as different kinds of paper, pencil, paint and ink as well as drawing tools like t-square, set square, compass etc. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Student discover how three dimensional space is represented on two dimensional media. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | * Basic hand-drawing techniques by utilizing different media * Two dimensional drawings: top view, plan, elevation, section * Basic presentation techniques: shading, hatching, sheet organization etc. * Three dimensional drawings: orthographic projections and perspective drawings | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | | * Şahinler, O.ve Fehmi Kızıl. *Mimarlıkta Teknik Resim.* * Ching, Francis D. K. and Adams, Cassandra. (2001). *Building Construction Illustrated. New York: John Wiley & Sons.* * Ching, Francis D. K. (1996). *Mimarlık: Biçim, Mekan ve Düzen, Yem Yayın* * Ching, Francis D. K. (1995). *A Visual Dictionary of Architecture. New York: Van Nostrand Reinhold* * Ching, Francis D. K. (1985). Architectural Graphics. *New York: Van Nostrand Reinhold* * Ching, F. (1998). *Design Drawing.* CDROM. * Hasol, Doğan. (1993). *Mimarlık ve Yapı Terimleri Sözlüğü: Türkçe-İngilizce-Fransızca*. Yapı Endüstri Merkezi. * Hotan, H. *Mimari Perspektif ve Gölge.* Yapı Endüstri Merkezi. * Lasean, Paul. (1989). *Graphic Thinking for Architects and Designers*. New York: Van Nostrand Reinhold. * Neufert, E. *Architects' Data-Third Edition.* Blackwell Science . * *Manual of Graphic Techniques: Medium and Methods, V: 1, 2, 3*. (1980). New York: Butterworth Architecture. * McGarry, Richard. (1991). *Scale Elements for Design Elevations.* New York: Van Nostrand Reinhold. * Seely, Ivor H. (1994). *Building Technology*. London: MacMillan Press. * Onat, E. *Perspektif ve perspektifte gölge çizimi.* | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Data show, Computer | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction of course structure, methods and tools utilized in course. |
| 2 | Sheet organization, legend, and drawing free hand lines |
| 3 | Fundamentals of technical drawing: Drawing basic lines and geometric shapes |
| 4 | Analysis of geometric shapes: Ortographic Projection (top, side views, and sections) |
| 5 | Ortographic Projection: Top view, Side views, and Sections |
| 6 | Ortographic Projection: Top view, Side views, and Sections |
| 7 | Three Dimensional Drawing Techniques: Parallel Projections |
| 8 | Three Dimensional Drawing Techniques: Parallel Projections |
| 9 | Site Plan and Section Drawings, Model Study |
| 10 | Site Plan and Section Drawings, Model Study |
| 11 | Midterm |
| 12 | Perspective Projection – single vanishing point |
| 13 | Perspective Projection – double vanishing points |
| 14 | Final Submission Assignment |
| 15,16 | Final Submission |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | ✔ |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | ✔ |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | ✔ |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | ✔ |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | ✔ |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | ✔ |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | ✔ |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | ✔ |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | ✔ |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assistant Professor Kader Reyhan

**Signature**: **Date:** 14.12.2023

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| **SEMESTER** | FALL |

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| **COURSE CODE** | 152011210 | **COURSE NAME** | Presentation Techniques |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 1 | 1 | | 0 | 2 | | 0 | | 3 | COMPULSORY (X) ELECTIVE ( ) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| %10 | | %20 | | | | |  | | | |  | %70 | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 20 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 20 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 60 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Concept of architectural design, design principals and components. Simulation techniques, traditional and contemporary approaches to design and visual communication. Representation in architectural design, visuality and perception .Various examples of architectural presentation. Contemporary tools and design principles. Explanation and application of presentation tools and techniques for examples of various scales. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The architectural design process and visual communication tools, used by the architectural design process will be analyzed and benefits of these tools will be explained. Representation methods, visuality and perception will be discussed. Examples of various scales and techniques of architectural presentation will be explained to students to carry out into their design practice. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Students how to use presentation tools, as well as three-dimensional spaces in the same way that the representation in the virtual 3-D environment to learn. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students will be able to,  1.Verbal and writing skills  2.Graphic skills  3.Research and Collaborative skills  4.Comprehensive Design  5.The Context of Architecture | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | | -Akın.O.&Weinel,F.E. ed., Representation and Architecture, Information Dyn.Inc.,ML-USA,1982.  - Barry A.M., ed., Visual intelligence: perception, image, and manipulationin visual communication, UNY Press, 1997.  -Beckmann J., ed., The virtual dimension: architecture, representation, and crash culture, Princeton Architectural Press, 1998.  -Cowen,T., Creative Destruction, Princeton Univ.Press,USA.,2001.  -Cuff,D., A.rchitecture:The Story of Practice, MIT Press, Camb.Mass.-USA.,1992  -Fraser I., Henmi R., ed., Envisioning Architecture: An Analysis of Drawing, John Wiley&Sons,Inc., 1993.  - Hyland K. ed., Second language writing, Cambridge University Press, 2003.  -Laseau P., ed., Graphic thinking for architects & designers,John Wiley&Sons,Inc.,2000.  - Lester P.M., ed., Visual communication: images with messages, Cengage Learning, 2005.  -Peng,C., Design Through Digital Interaction, Cromwell Pres,UK.,2001.  -Pérez-Gomez A. & Pelletier L. ed., Architectural Representation and the PerspectiveHinge, MIT Press, Camb.Mass.London, 1997.  -Porter T., ed., Selling Architectural Ideas, Taylor & Francis, 2000.  -Van Leeuwen&Jewitt ed., Handbook of Visual Analysis, SAGE Publ.-London.-UK.,2002. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Architectural design and principals |
| 3 | Visual communication tools in architectural design; traditional and contemporary approaches |
| 4 | Visual communication tools in architectural design; traditional and contemporary approaches |
| 5 | Represention in architecture, visuality and perception |
| 6 | Represention in architecture ; Seminar |
| 7 | Presentation in architecture, principals, contemporary tools and approaches |
| 8 | Presentation in architecture, principals, contemporary tools and approaches |
| 9 | Presentation techniques, tools ,principals and approaches I |
| 10 | Presentation techniques, tools ,principals and approaches II |
| 11 | Presentation of term paper drafts |
| 12 | Valuation of examples |
| 13 | Valuation of examples |
| 14 | Valuation of examples |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **X** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  |  | **X** |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realizationin fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):**Tarkan TAŞKIN

**FIRST YEAR**

**SPRING**

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| **FIRST YEAR SPRING** | | **TEO** | **UYG** | **KRD** | **ECTS** |
| 152012207 | Architectural Visualization | 2 | 2 | 3 | 4 |
| 152012182 | Turkish Language II | 2 | 0 | 0 | 2 |
| 152012202 | Introduction to Design 102 | 4 | 8 | 8 | 12 |
| 152012203 | Introduction To Architecture 122 | 3 | 0 | 3 | 3 |
| 152012204 | Building Science and Technology 152 | 2 | 4 | 4 | 6 |
| 152012206 | Advanced Readıng And Wrıtıng Iı | 2 | 0 | 0 | 2 |
| 152012208 | Graphic Design | 2 | 0 | 2 | 2 |
| 152012209 | Drawing | 2 | 0 | 2 | 2 |
| 152012210 | Built Environment in History Of Art | 2 | 0 | 2 | 2 |
| 152012211 | Free Hand Drawıng and Representation and Sketching Techniques | 2 | 0 | 2 | 2 |
| 152012212 | The Archaeology Of The Ancient Near East And Its Methods | 2 | 0 | 2 | 2 |
|  |  |  |  | **18** | **31** |

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| **SEMESTER** | SPRING |

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| **COURSE CODE** | 152012207 | **COURSE NAME** | Architectural Visualization |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| 2 | 2 | |  | 2 | | 3 | | 4 | COMPULSORY (X) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | **Structures in Architecture** | **Computer Aided Design** | |
| %10 | | %20 | | | | |  | | |  | %70 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Architecture and architectural design concepts, design principles and design of the social structure. In the use of 3d architectural visualization programs. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The architectural design process and visual communication tools, used by the architectural design process will be analyzed and benefits of these tools will be explained. Representation methods, visuality and perception will be discussed. Examples of various scales and techniques of architectural presentation will be explained to students to carry out into their design practice. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Students how to use presentation tools, as well as three-dimensional spaces in the same way that the representation in the virtual 3-D environment to learn. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students will be able to,  1.Architectural Modeling of objects in a 3d environment  2.3d skills  3.Research and Collaborative skills  4.Comprehensive Design  5.The Context of Architecture | | | | | | | |

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| **TEXTBOOK** |  |
| **OTHER REFERENCES** | -Akın.O.&Weinel,F.E. ed., Representation and Architecture, Information Dyn.Inc.,ML-USA,1982.  - Barry A.M., ed., Visual intelligence: perception, image, and manipulationin visual communication, UNY Press, 1997.  -Beckmann J., ed., The virtual dimension: architecture, representation, and crash culture, Princeton Architectural Press, 1998.  -Cowen,T., Creative Destruction, Princeton Univ.Press,USA.,2001.  -Cuff,D., A.rchitecture:The Story of Practice, MIT Press, Camb.Mass.-USA.,1992  -Fraser I., Henmi R., ed., Envisioning Architecture: An Analysis of Drawing, John Wiley&Sons,Inc., 1993.  - Hyland K. ed., Second language writing, Cambridge University Press, 2003.  -Laseau P., ed., Graphic thinking for architects & designers,John Wiley&Sons,Inc.,2000.  - Lester P.M., ed., Visual communication: images with messages, Cengage Learning, 2005.  -Peng,C., Design Through Digital Interaction, Cromwell Pres,UK.,2001.  -Pérez-Gomez A. & Pelletier L. ed., Architectural Representation and the PerspectiveHinge, MIT Press, Camb.Mass.London, 1997.  -Porter T., ed., Selling Architectural Ideas, Taylor & Francis, 2000.  -Van Leeuwen&Jewitt ed., Handbook of Visual Analysis, SAGE Publ.-London.-UK.,2002. |
| **TOOLS AND EQUIPMENTS REQUIRED** |  |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Architectural design and principals |
| 3 | Visual communication tools in architectural design; traditional and contemporary approaches |
| 4 | Visual communication tools in architectural design; traditional and contemporary approaches |
| 5 | Represention in architecture, visuality and perception |
| 6 | Represention in architecture ; Seminar |
| 7 | Presentation in architecture, principals, contemporary tools and approaches |
| 8 | Presentation in architecture, principals, contemporary tools and approaches |
| 9 | Presentation techniques, tools ,principals and approaches I |
| 10 | Presentation techniques, tools ,principals and approaches II |
| 11 | Presentation of term paper drafts |
| 12 | Valuation of examples |
| 13 | Valuation of examples |
| 14 | Valuation of examples |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **X** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  |  | **X** |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realizationin fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Assistant Professor Hakan KELEŞ, Dr. Ebru YETKİN

**Signature**:  **Date:**

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152012206 | **COURSE NAME** | Advanced Reading and Writing II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 2 | 2 | | - | - | | 0 | | 2 | COMPULSORY (X) ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 20 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 20 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | | 1 | | | 20 |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | For students to gain the ability to read, understand and discuss the educational materials and present, defend and realize their projects in education life and professional life they are in need of learning technical English and abilities to written and spoken communication techniques. In order to achieve that this lecture is suggested. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is for students to gain the abilities to read, and understand the materials related to the Architecture discipline and be able to write, discuss and comment in English | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Helping to improve students skills in reading, understanding and discussing the educational materials written in English | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Improve technical vocabulary  Improve effective communication skills  Gain a knowledge of contemporary issues  Gain ability to present and defend a project in English | | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | | |
| **OTHER REFERENCES** | | | | | English architecture, design and art journalsEnglish Data basesEnglish Printed publications | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Writing tools, dictionary, computer, projector, sound systems and necessary software for presentations. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introductions |
| 2 | English technical vocabulary exercises, reading and understanding |
| 3 | English technical vocabulary exercises, reading and understanding |
| 4 | Reading and understanding articles |
| 5 | Reading and understanding articles |
| 6 | I. Mid Term |
| 7 | Writing techniques |
| 8 | Writing exercises |
| 9 | Writing exercises |
| 10 | Writing exercises |
| 11 | II. Mid Term |
| 12 | Reading, understanding articles and writing commentaries |
| 13 | Reading, understanding articles and writing commentaries |
| 14 | Reading, understanding articles and writing commentaries |
| 15,16 | Final exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **x** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **x** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Associate Professor. Gökçe Ketizmen

**Signature**:  **Date:** 05.09.2012

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152012182 | **COURSE NAME** | Turkish Language II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 2 | 2 | | 0 | 0 | | 0 | | 2 | COMPULSORY (X ) ELECTIVE () | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 50 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 50 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Structural Words: Word group, name, adjective, pronoun, adverb, preposition, conjunction, interjection verb, sentence, types of Written Composition, Types of Oral Composition, Speech Application, Prepared Speech Application, Text Analysis Studies. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Informing students about the current state of development and the richness of Turkish language, bring awareness of a national language, literally to know about the subtleties about Turkish and be able to use them in their daily lives to ensure. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Provides to students speak and write Turkish correctly write in their daily lives, gain the ability to express themselves in the best way to themselves and their works in their jobs. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Define the rules of Turkish.  Define and classify the phrase in terms from structure Analyze the structure of the sentence  Create written and oral composition  Use the language correctly | | | | | | | | |
| **TEXTBOOK** | | | | | Kültür, M. E., 1997, Üniversiteler İçin Türk Dili, Bayrak Yayınları, İstanbul. Yavuz, K., Yetiş, K., Birinci, N., 1999, Üniversite Türk Dili ve Kompozisyon Dersleri, Bayrak Yayınları, İstanbul. | | | | | | | | |
| **OTHER REFERENCES** | | | | | Kaplan, M., “Kültür ve Dil”, 8. baskı, ,Dergah Yayınları, İstanbul, 1993.  Fuat, M., “Dil Üstüne”, Adam Yayınları, İstanbul, 2001.  Aksan, D., “Türkçe’nin Gücü”, Bilgi Yayınevi, 4. baskı, Ankara, 1997. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | DVD, VCD, projector, computer | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Structural Words: Word group |
| 2 | Name |
| 3 | Adjective |
| 4 | Pronoun |
| 5 | Adverb |
| 6 | Mid-Term Examination 1 |
| 7 | Preposition, Conjunction, Interjection |
| 8 | Verb |
| 9 | Sentence, the sentence Components |
| 10 | Types of Written Composition |
| 11 | Mid-Term Examination 2 |
| 12 | Types of Oral Composition |
| 13 | Prepared Speech Application, extempore Speech Application   |  |  | | --- | --- | |  |  | |
| 14 | Text Analysis Studies |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**

**Signature**: **Date:**

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| **SEMESTER** | Spring 2 |

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| **COURSE CODE** | 152012202 | **COURSE NAME** | Introduction to Design 102 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 2 | 4 | | 8 | 0 | | 8 | | 12 | COMPULSORY ( X) ELECTIVE ( ) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| X | |  | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | | 3-7 | | | %45 |
| Report | | | | |  | | |  |
| Others (3rd mid-term) | | | | |  | | |  |
| **FINAL EXAM** | | | | | Project | | | | | 1 | | | %55 |
| **PREREQUISITE(S)** | | | | | Introduction to Design 101 | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | To make students to develop an understanding of basic architectural design principles and architectural design process, and within this context, to make them to gain the required intellectual infrastructure and skills, a number of design problems are formulated. The solutions to the formulated problems are developed on the basis of making-evaluation-remaking process, and both the process and the products are discussed either in the form of group discussions, or in table critics. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Understanding and distilling the thought content embedded within what already existed, and to that degree, being critical to all that existed is especially emphasized. Within the context of architectural design, the relations between the couples like tradition-innovation, form-function, and construction-form are questioned. The aim of the course is to make students to gain awareness about all these, and make them to develop an intellectual/conceptual infrastructure to accomplish this task. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUCATION** | | | | | The notions that the student will embrace and the skill he/she will gather through this course will be the foundations of his/her design education and practice. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students are expected to develop an understanding of basic architectural design principles and architectural design process. Student will be able to grasp the wisdom embedded within the product of thousands years of accumulation of architectural thought; namely the architectural tradition, as well as be able to distill and internalize such content, but to that degree be able to approach all these critically. Students are expected to develop an intellectual/conceptual infrastructure to accomplish all these tasks. | | | | | | | | |
| **TEXTBOOK** | | | | | none | | | | | | | | |
| **OTHER REFERENCES** | | | | | none | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | All types of drawing and modeling tools/materials. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction to course, Studio work, panel and table discussions |
| 2 | Studio work, panel and table discussions |
| 3 | Studio work, panel and table discussions |
| 4 | Studio work, panel and table discussions |
| 5 | Studio work, panel and table discussions |
| 6 | Studio work, panel and table discussions |
| 7 | Studio work, panel and table discussions |
| 8 | Studio work, panel and table discussions |
| 9 | Studio work, panel and table discussions |
| 10 | Studio work, panel and table discussions |
| 11 | Studio work, panel and table discussions |
| 12 | Final exercise, Studio work, panel and table discussions |
| 13 | Studio work, panel and table discussions |
| 14 | Studio work, panel and table discussions |
| 15,16 | Final Jury. |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **X** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Prof.Dr. Hakan Anay

**Signature**:  **Date:**14.12.11

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| **SEMESTER** | SPRING |

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| **COURSE CODE** | 152012203 | **COURSE NAME** | Introduction to Architecture 122 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 2 | 3 | | - | - | | 3 | | 3 | COMPULSORY (X) ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | | 1 | | | 30 |
| Quiz | | | | | - | | | - |
| Homework | | | | | 1 | | | 10 |
| Project | | | | | - | | | - |
| Report | | | | | - | | | - |
| Others (………) | | | | | - | | | - |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 30 |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | HTC 122 structures the second part of the introductory courses in the History Theory & Criticism track in the ESOGU Department of Architecture. In continuation of the ARCH 121, the objective of the course is to introduce the scope of the discipline of architecture: its history, theories, methodologies; its manners of thinking and working. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | It offers an overview of architecture in the framework of associated disciplines. Introduction of architectural vocabulary is an essential objective. Students are expected to attain the knowledge on fundamentals of architectural design by discerning elements of design such as form, shape, color, texture, through precedent architectural examples. Perception of architecture is emphasized as an expression of various ideas and design approaches. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | It presents an opportunity to architectural students to be equipped with the basic knowledge and understanding of architectural design and develop it. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Get a basic introduction to the thought contents of architectural design. | | | | | | | | |
| **TEXTBOOK** | | | | | Alan Colquhoun, Modern Architecture  Ulrich Conrads, Programs + Manifestoes on 20th c. Architecture  Adrian Forty, Words and Buildings: A Vocabulary of Modern Architecture  Robert Venturi, Complexity and Contradiction  Rem Koolhaas, Delirious New York  Rafael Moneo, Theoretical Anxieties & Design Strategies | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer or notebook, projection system and screen, blackboard. etc. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | History vs. Utopia |
| 3 | History vs. Utopia |
| 4 | Handcrafted vs. Machine age |
| 5 | Handcrafted vs. Machine age |
| 6 | Generic vs. Iconic |
| 7 | Generic vs. Iconic |
| 8 | Form vs. Program |
| 9 | Form vs. Program |
| 10 | Drawing vs. Scripting |
| 11 | Drawing vs. Scripting |
| 12 | Image vs. Surface |
| 13 | Image vs. Surface |
| 14 | Discussion |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Prof. Dr. Ayşe Duygu Kaçar

**Signature**: **Date:** 14.12.2011

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| **SEMESTER** | Spring |

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| **COURSE CODE** | **152012204** | **COURSE NAME** | **Building Science and Technology 152** |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 2 | 2 | | 4 | 0 | | 4 | | 6 | COMPULSORY ✔ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | | X | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 15 |
| 2nd Mid-Term | | | | | 1 | | | 15 |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Studioworks and weekly drawing assignments) | | | | | 1 | | | 45 |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 25 |
| **PREREQUIEITE(S)** | | | | | Visual and Graphic Communication 151 | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The course, which starts with an introductory level of knowledge on concepts such as building, construction, systems and materials, focuses on delivering knowledge on a particular construction system, with the purpose to increase students’ acquaintance with built environment. In the end of this course the students acquire certain level of skill in determining and representing building elements and systems. In addition, structural properties of the widely used construction systems in our country are introduced in detail. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The objective of the course is to provide the students with understanding of structural systems at an introductory level, with an emphasis of load-bearing and non-bearing construction parts and their representation through graphic communication. “What and how to build?” are the main questions that the course aims the students to focus on. Throughout the course, the students are expected to acquire adequate knowledge on different construction systems and their principles. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Students acquire the skill to think analytically, to present visually, and to solve structural problems in their professional life. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | In addition to knowledge on concepts of building, structure, structural systems, two dimensional ortographic representation of building elements such as foundations, floors, walls, roofs are the skills are obtained due to completion of the course and these skills can be translated into practice in professional life. | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | | * Şahinler, O.ve Fehmi Kızıl. *Mimarlıkta Teknik Resim.* * Ching, Francis D. K. and Adams, Cassandra. (2001). *Building Construction Illustrated. New York: John Wiley & Sons.* * Ching, Francis D. K. (1995). *A Visual Dictionary of Architecture.* New York: Van Nostrand Reinhold * Türkçü, Ç. *Yapım: İlkeler, Malzemeler, Yöntemler, Çözümler* * Hasol, Doğan. (1993). *Mimarlık ve Yapı Terimleri Sözlüğü: Türkçe-İngilizce-Fransızca*. Yapı Endüstri Merkezi. * Neufert, E. *Architects' Data-Third Edition.* Blackwell Science . * Neufert, E. *Bina Bilgisi El Kitabı.* Beta Yayın Dağıtım AŞ. * Yücesoy, L. *Temeller-Duvarlar-Döşemeler,* Yapı Endüstri Merkezi * Engel, H. *Strüktür Sistemleri,* Tasarim Yayin Grubu * Seely, Ivor H. (1994). *Building Technology*. London: MacMillan Press. * Arslan, M. (2008). *Yapı Teknolojileri 2.* Seçkin Yayıncılık | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Data show, Computer | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Ortographic Projection in Architectural Drawing: Site Plan, Plan, Section and Elevation |
| 2 | Plan, Section and Elevation Drawings |
| 3 | Plan, Section and Elevation Drawings, Scale and Level of Detail |
| 4 | Introduction to Structural Systems |
| 5 | Masonry Structures |
| 6 | Mid-term Exam |
| 7 | Reinforced Concrete Structures |
| 8 | Ground and Structure Relationship – Foundations |
| 9 | Foundations |
| 10 | Floor Slabs |
| 11 | Walls |
| 12 | Mid-term Exam |
| 13 | Roofs |
| 14 | Roofs |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | ✔ |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | ✔ |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | ✔ |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | ✔ |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | ✔ |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | ✔ |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | ✔ |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | ✔ |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | ✔ |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Associate Professor. Başak GÜÇYETER

**Signature**:

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| **SEMESTER** | SPRING |

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| **COURSE CODE** | 152012208 | **COURSE NAME** | Graphic Design |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 2 | 2 | | 0 | 0 | | 2 | | 2 | COMPULSORY () ELECTIVE (X) | | | | Türkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 20 |
| 2nd Mid-Term | | | | | 1 | | | 20 |
| Quiz | | | | |  | | |  |
| Homework | | | | | 6 | | | 60 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | |  | | |  |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | This course includes teaching of practice basic knowledge of graphic design. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The purpose of this course, the process of creating a visual language of graphic design, is to practice. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | This course graphics contribute to the understanding of the product design process and graphic production techniques. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | * + - 1. This course, students who successfully complete  1. Apply in a creative way by analyzing the visual language of graphic design 2. Two and three-dimensional surface, evaluate the relationship between visual and typographic elements | | | | | | | | |
| **TEXTBOOK** | | | | | Becer, Emre (1995). İletişim ve Grafik Tasarım. Dost Kitapevi, Ankara | | | | | | | | |
| **OTHER REFERENCES** | | | | | Görsel İletişim ve Grafik Tasarım, Uçar, T. Fikret, İnkilap Yayınevi, 2004Çağdaş Grafik Tasarımın Gelişimi, Dilek Bektaş, İstanbul:, Yapı Kredi Yayınları, 2002Gavin Ambrose, Paul Harris, Grafik Tasarımın Temelleri, Literatür Yayınları, İstanbul, 2012.Alice Twemlow, Grafik Tasarım Ne İçindir, YEM Yayın, İstanbul,2008Graphic Communication Today. USA: West Pub. Co., 1995. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Projector, Computer | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Presentation of the course |
| 2 | The basic concepts of graphic design |
| 3 | History of Graphic Design |
| 4 | History of Graphic Design |
| 5 | Text and Typography |
| 6 | Graphic production types and techniques |
| 7 | Graphic production types and techniques |
| 8 | Graphic design and analysis of products. |
| 9 | Practical homeworks |
| 10 | Practical homeworks |
| 11 | Practical homeworks |
| 12 | Practical homeworks |
| 13 | Practical homeworks |
| 14 | Practical homeworks |
| 15,16 | Final |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **x** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **x** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **x** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **x** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s): Prof. Dr. Şirin BENUĞUR**

**Signature**:

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152012209 | **COURSE NAME** | Drawing |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 2 | 2 | | 0 | 0 | | 2 | | 3 | COMPULSORY ( ) ELECTIVE ( X) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| X | |  | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | | 1 | | | 30 |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 40 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 30 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Line, visual perspective perception, form, space, shape, surface and depth perception. Compositions, colours, figures and the other technical details including in and out studio-workshop discussions, project development and applications. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To have improvement in students’ ability and to have increase in intention for drawing. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | To improve graphical presentation skills for students. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | To express configurations in every level of hand drawing and design process in order to make better presentations. | | | | | | | | |
| **TEXTBOOK** | | | | | Gülseren Südor , ‘’Temel Sanat Eğitimi’’ 2006, Tiglat Matbaacılık | | | | | | | | |
| **OTHER REFERENCES** | | | | | Wassily Kandinsky,’’Punto Linea Superfice’’1972, Biblioteca Adelphi 16 -Paul Klee ‘’Teoria della forma e della figurazione’’ 1954 Feltrinelli (Volume ı) -Paul Klee, ‘’Teoria della forma e della figurazione’’ 1970, Feltrinelli (Volume II Storia naturale infinita) -Terisio Pignatti, ‘’I Disegni dei Maestri’’ 1983, Gruppo Editoriale Fabbri (1- 16 volüm) -Andras Szunyoghy-Dr.György Feher,’’ Human Anatomy For Artist’’ 2007 h.f.ullmann -Pierre Bourdieu, ‘’ Sanatın Kuralları’ ( Çev.Necmettin Sevil) 1999, Yapı Kredi Yayınları -Norbert Lynton, ‘’ Modern Sanatın Öyküsü’’ ( Çev. Cevat Çapan, Prof. Sadi Öziş) 1982, Remzi Kitabevi -E.H. Gombrich, ‘’ Sanat ve Yanılsama’’ ( Çev. Ahmet Cemal) 1992, Remzi Kiabevi -E:H Gombrich, ‘’ Sanatın Öyküsü’’ ( Çev. Bedrettin Cömert) 1976, Remzi Kitabevi -Georg Lucas, ‘Nazan İpşiroğlu, Zehra İpşiroğlu, Şeyda Özil, 1990,Cem Yayınevi -Bedri Rahmi Eyüboğlu, ‘’ Resme Başlarken’’ 1977, Cem Yayınevi | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Projector for explaining visual presentations and easel for making drawing for students | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction to course and meet with students. Giving information of topics related with course, required material and equipment that will be used during the course from students. |
| 2 | Introduction of branches in visual arts and review of connections between them. Start to work with drawing element and visual perception |
| 3 | To start studying shape surface relations which is one of the basic principles in drawing on visual arts and prepare homework |
| 4 | Shaping perception topic. Shapes, models, contrast of models, anomaly of models,deformation of models, rythms of models, key points and studio work |
| 5 | Definition and comprehension of space in drawing. Definitions of proximity distance, large and small criteria in both nature and drawing arts |
| 6 | Mid-Term Exam |
| 7 | Defiinition of depth in drawing and visual perception presentations |
| 8 | Perception of human figure in space and drawing of it. |
| 9 | Definition and comprehension of depth in plastic arts. Perspective issue, linear perspective, perspective in art creations and prepare homework |
| 10 | Review of composition issue in art creations. Definitions, combinations and as a result, study for students with a real model |
| 11 | Imagemaking of human figure in drawing arts. Its history, anatomical structure, ratios and human face structures, ratios and drawings. Prepare homework |
| 12 | Evaluation of homeworks related with human figure and human face. |
| 13 | Perception and comprehension of colour. Color levels and its values. Dark and light color perspectives. Prepare homework |
| 14 | Studio work for coloured technics in drawing such as tempera and watercolor art. Prepare homework |
| 15,  16 | Applications of combined technics with liquid paints and mixed materials in drawing.  / FINAL EXAM |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **X** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **X** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **X** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **X** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Asst. Prof.Dr. Terane MEHEMMEDOVA

**Signature**: **Date:** 08.01.2012

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152012210 | **COURSE NAME** | Built Environment in History of Art |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 2 | 2 | | 0 | 0 | | 2 | | 2 | ELECTIVE | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Practice | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 9 | | | 63 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Participation | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 27 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Examination of the built environment in terms of history of art | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Students to learn knowledge on art in different geographies and cultures; to take a view of how art is related to philosophy, aesthetics, history and built environment. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | The course will provide the students with general culture on built environment and art | | | | | | | | |
| **COURSE OUTCOMES** | | | | | To be able to comprehend the effect of art on cities and city life | | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | | |
| **OTHER REFERENCES** | | | | | - | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, sound systems and necessary software for presentations. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Information on the course |
| 2 | Anatolian and Mesopotamian Art in Prehistory and Antiquity |
| 3 | Ancient Egyptian Art |
| 4 | Ancient Greek Art |
| 5 | Roman Art |
| 6 | Byzantian Art |
| 7 | Islamic Art |
| 8 | Seljuk Art |
| 9 | Romanesque and Gothic |
| 10 | Ottoman Art |
| 11 | Renaissance |
| 12 | Baroque and Rococo |
| 13 | Westernisation in the Ottoman |
| 14 | Art Movements of the 19th century (Neoclassicism, Romanticism |
| 15,16 | Art Movements of the 20th century (Cubism, Art Nouveau, Art Deco, Pop Art) |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  | **X** |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assist.Prof.Dr. Açalya Alpan

**Signature**:  **Date:**

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| |  |  | | --- | --- | | **SEMESTER** | SPRING |  |  |  |  |  | | --- | --- | --- | --- | | **COURSE CODE** | 152012211 | **COURSE NAME** | **FREE HAND DRAWING AND REPRESENTATION AND SKETCHING TECHNIQUES** |      |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | | | **Theory** | | **Practice** | **Labratory** | | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** | | 2 | 2 | | 0 | - | | | 2 | | 2 | COMPULSORY | Turkısh | | **COURSE CATAGORY** | | | | | | | | | | | | | **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** | | x | |  | | | | | |  | |  |  | | **ASSESSMENT CRITERIA** | | | | | | | | | | | | | **MID-TERM** | | | | | | **Evaluation Type** | | | | **Quantity** | **%** | | 1st Mid-Term | | | |  |  | | 2nd Mid-Term | | | |  |  | | Quiz | | | |  |  | | Homework | | | | 1 | 40 | | Project | | | |  |  | | Report | | | |  |  | | Others (Presentations) | | | |  |  | | **FINAL EXAM** | | | | | |  | | | | 1 | 60 | | **PREREQUIEITE(S)** | | | | | |  | | | | | | | COURSE DESCRIPTION | | | | | | Sketching and representation techniques, which are closely related to architecture, will be explained to the design students who have just started to design, supported by presentations and applied in sketch books. The use of sketch books will be compulsory in the course and the practices of hand drawing and rapid design thinking will be made. | | | | | | | COURSE OBJECTIVES | | | | | | Sketching and representation techniques, which are very important in all branches of design, will be discussed and experienced in sketchbooks. | | | | | | | CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION | | | | | | It is aimed to increase students' desire to participate in interdisciplinary studies and to increase their sensory description skills. | | | | | | | COURSE OUTCOMES | | | | | | Increasing students' design skills, To raise awareness of the relationship of architecture with other disciplines, | | | | | | | **TEXTBOOK** | | | | | | - | | | | | | | **OTHER REFERENCES** | | | | | | All architecture, design and art magazines Architecture databases | | | | | | | **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer for presentation and demonstration, searchlight, sound system, necessary software | | | | | | | | **COURSE SYLLABUS** | | | | | | | | | | | | | **WEEK** | **TOPICS** | | | | | | | | | | | | 1 | acquaintance | | | | | | | | | | | | 2 | Definition of sketch and discussion of the concept | | | | | | | | | | | | 3 | Illustration concept | | | | | | | | | | | | 4 | Illustrators from around the world | | | | | | | | | | | | 5 | presentations | | | | | | | | | | | | 6 | illustration exercise and sketchbook presentation | | | | | | | | | | | | 7 | Student Presentations | | | | | | | | | | | | 8 | Submission of Homework | | | | | | | | | | | | 9 | Sketches and representations in the branches of architecture and art, digital sketching | | | | | | | | | | | | 10 | Student Presentations | | | | | | | | | | | | 11 | Presenting the architectural competition experience with an illustrator | | | | | | | | | | | | 12 | How is the reference collected? Definitions and reference examples | | | | | | | | | | | | 13 | Student Presentations | | | | | | | | | | | | 14 | Student Presentations | | | | | | | | | | | | 15,16 | Final Homework | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** | | 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **x** | | 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **x** |  | | 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  |  | **x** | | 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  | | 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **x** | | 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  | | 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  | | 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** | | 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **x** | | **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |   **Instructor(s):**  Merve Yavuz  **Signature**:            **Date:**   |  |  | | --- | --- | | **SEMESTER** | Spring |  |  |  |  |  | | --- | --- | --- | --- | | **COURSE CODE** | 152012212 | **COURSE NAME** | The Archaeology of the Ancient Near East and Its Methods |      |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** | | 2 | 2 | | 0 | 0 | | 2 | | 2 | SOCIAL ELECTIVE | Turkish | | **COURSE CATAGORY** | | | | | | | | | | | | **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** | |  | | x | | | | |  | |  |  | | **ASSESSMENT CRITERIA** | | | | | | | | | | | | **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** | | 1st Mid-Term | | | | 1 | 40 | | 2nd Mid-Term | | | |  |  | | Quiz | | | |  |  | | Homework | | | |  |  | | Project | | | |  |  | | Report | | | |  |  | | Others (Presentations) | | | |  |  | | **FINAL EXAM** | | | | |  | | | | 1 | 60 | | **PREREQUIEITE(S)** | | | | | None | | | | | | | **COURSE DESCRIPTION** | | | | | Archaeological survey and excavation, field working conditions (dijital archaeology), interdisciplinary methods, documentation techniques, databases, protection of culural heritage; public relations; | | | | | | | **COURSE OBJECTIVES** | | | | | To comprehend archaeology as a science and to understand the relationship between architecture and archaeology | | | | | | | **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To comprehend the benefit of multi-disciplinary working and especially the value of a cooperation between archaeologists and architects | | | | | | | **COURSE OUTCOMES** | | | | | Increase of the ability to discuss and evaluate interdisciplinary research questions | | | | | | | **TEXTBOOK** | | | | | None | | | | | | | **OTHER REFERENCES** | | | | | M. Özdoğan, 50 Soruda Arkeoloji, 4.Baskı, İstanbul 2004; www.nerik.de | | | | | | | **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Projector as well as a blackboard | | | | | |      |  |  | | --- | --- | | **COURSE SYLLABUS** | | | **WEEK** | **TOPICS** | | 1 | Definition of Archaeology | | 2 | Archaeology and Treasure Hunting | | 3 | Research history, international institutions and important museums | | 4 | The geography of the Ancient Near East and the historical landscape | | 5 | Survey | | 6 | Excavation, stratigraphy and dating methods | | 7 | Methods I: Topography, geophysics and satellite images | | 8 | Methods II: Anthropology, Palaeobotanics and Zooarchaeology | | 9 | Methods III: Photogrammetry, Photography and Drawing | | 10 | Methods IV: Database | | 11 | Architectural remains: stone – wood - kerpiç | | 12 | Typical small finds (quiz) | | 13 | Protection of cultural heritage | | 14 | Knowledge transfer of cultural heritage | | 15,16 | Mid-Term Exam and Final Exam |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** | | 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  | | 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **x** |  | | 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  | | 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  | | 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  | | 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **x** |  | | 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  | | 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** | | 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  | | **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |   **Instructor(s):**   Prof. Dr. Rainer Maria CZICHON  **Signature**:  **Date:** 27/01/2021   |  |  | | --- | --- | |  |  | |

**SECOND YEAR**

**FALL**

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| **SECOND YEAR FALL** | | **TEO** | **UYG** | **KRD** | **ECTS** |
| 151011208 | History of Turkish Revolution and Principles of Kemal Atatürk: I | 2 | 0 | 2 | 2 |
| 152013556 | Computer Aided Design 261 | 1 | 2 | 2 | 3 |
| 152013561 | Architectural Design 201 | 4 | 8 | 8 | 12 |
| 152013554 | History Of Art And Architecture 221 | 3 | 0 | 3 | 4 |
| 152013566 | Building Science And Technology 251 | 2 | 2 | 3 | 5 |
| 152013557 | Architectural Representation 241 | 3 | 0 | 3 | 3 |
| 152013558 | Critics on Contemporary Space 271 | 3 | 0 | 3 | 3 |
| 152013559 | Typography and Architecture | 3 | 0 | 3 | 3 |
| 152013560 | Material Selection and Detail Relations | 3 | 0 | 3 | 3 |
| 152013562 | Creative Design Studies | 3 | 0 | 3 | 3 |
| 152013563 | Ancient Architecture and Architects | 3 | 0 | 3 | 3 |
| 152013564 | History of Urban Design | 3 | 0 | 3 | 3 |
| 152013565 | Landscape Description, Architectural Illustration | 3 | 0 | 3 | 3 |
| 152013567 | Topography Survey | 0 | 0 | 0 | 1 |
|  |  |  |  | **21** | **30** |

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 151011208 | **COURSE NAME** | History of Turkish Revolution and Principles of Kemal Atatürk: I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 3 | 2 | | 0 | 0 | | 2 | | 2 | COMPULSORY(x) ELECTIVE ( ) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | | 1 | | | 40 |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 60 |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The Description of the term “revolution”; major historical events in the Ottoman Empire to the end of World War I; a general overview of Mustafa Kemal’s life; certain associations and their activities; arrival of Mustafa Kemal to Samsun; the congresses, gathering of the last Ottoman Assembly and the proclamation of the “national oath”; opening of the Turkish Grand National Assembly; War of independence to the Victory of Sakarya; Victory of Sakarya; financial sources of the war of independence; grand counter-attack; Armistice of Mudanya; abolution of the Sultanate; Peace Conference of Lausanne. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To help the students to appreciate the hard conditions under which the war of independence, under the leadership of Mustafa Kemal, was fought and how an independent Turkish state was created. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To underline the idea that the national unity based on the principle “peace in the country peace in the world” can only be achieved through political, economic and military progress. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | At the end of this course; Students  1.Explains Principles of Atatürk and main concepts related to Revolution history.  1.1.Explians the concepts of Reform/Revolution.  1.2.Describes the concept of National Forces.  1.3.Explains the concepts of Republic/Democracy.  1.4.Recognizes the concept of Ideology.  2.Explains the main points of the period related to Turkish War of Independence and foundation of the Turkish State.  2.1.Explains the developments at Ottoman Empire before Turkish Revolution.  2.2.Describes the World War I and its results.  2.3.Explains Turkish War of Independence.  2.4.Recognizes Turkish Revolution.  2.5.Remembers the mian principles of Turkish foreign politics.  2.6.Explains Principles of Atatürk and their importance.  3.Explains the effects of the developments at Europe and World on Turkish Republic.  3.1.Explains the effects of European and World politics on Turkey and the results of them.  3.2.Describes the effects of Capitalism/Emperialism on Turkey.  3.3.Explains the relations / problems between Turkey and its neighbours.  3.4.Explains the importance of Turkey at Europe and World. | | | | | | | | |
| **TEXTBOOK** | | | | | Gazi Mustafa Kemal Atatürk, Nutuk (Söylev), C. I-II, TTK., Ank., 1986.İmparatorluktan Ulus Devlete Türk İnkılâp Tarihi, Cemil Öztürk (ed.), Ank., 2011. | | | | | | | | |
| **OTHER REFERENCES** | | | | | \* Ateş,Toktamış.(2001)Türk Devrim Tarihi.İstanbul:Der Yayınları. \* Aybars,Ergün.(200)Türkiye Cumhuriyeti Tarihi.İzmir:Ercan Kitabevi. \* Eroğlu,Hamza.(1990)Türk İnkılasp Tarihi.Ankara:Savaş Yayınları. \* Kongar,Emre.(1999)Devrim Tarihi ve Toplumbilim Açısından Atatürk.İstanbul.Remzi Kitabevi. \* Selek,sebahattin.(1987)Anadolu İhtilali.İstanbul:Kastaç A.Ş.Yayınları. \* Şamsutdinov,A.M.(1999)Mondros'tan Lozan'aTürkiye Ulusal Kurtuluş Savaşı Tarihi (1918-1923)Çeviren:Ataol Behramoğlu.İstanbul:Doğan Kitapçılık. \* Timur,Taner.(1997)Türk Devrimi ve Sonrası.Ankara:İmge Kitabevi. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | The Balkan Wars. First World War and input to war Ottoman Empire. The fronts that Ottoman Empire fighted and the results of the war. |
| 2 | Revolution, evolution, rebellion, coup and reform. The characteristics of the Turkish Revolution. the reasons of collapse of the Ottoman Empire. |
| 3 | Mondros Armistice Agreeement and occupations on the Ottoman Empire. |
| 4 | National Independence War. The occupation of Izmir and effects of this occupation. |
| 5 | The preparation period of National Independence War |
| 6 | Mid-Term Examination 1 |
| 7 | The movement of Mustafa Kemal to Samsun and to be started the organization of Anadolu Revolution. Amasya Circular, Erzurum and Sivas Congresses, to be founded of the Deputation. |
| 8 | Opening of the TBMM. |
| 9 | Rebellions against the TBMM. |
| 10 | Sevr Treaty. |
| 11 | Mid-Term Examination 2 |
| 12 | To be founded "Kuva-yı Milliye" and national army. |
| 13 | Mudanya Armistice Agreement. Abolution of sultanate. |
| 14 | Lausanne Treaty. |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **X** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **X** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  |  | **X** |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  |  | **X** |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  | **X** |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Öğr.Gör. Engin Kırlı

**Signature**: **Date:**

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152013556 | **COURSE NAME** | Computer Aided Design 261 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 3 | 1 | | 2 | 0 | | 2 | | 3 | COMPULSORY (✔ ) ELECTIVE () | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | |  | | | |  | X | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | | 1 | | | 30 |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | On this course, getting solid architectural models and renders are going to teach using 3d modelling programs, | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Key knowledge on word processor software  Key knowledge on data management software  Key knowledge on research through scientific databases provided through the university library.  Key knowledge on graphic communication software (such as Adobe Photoshop)  Introduction to 2D drafting through architectural design software. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Students would get skill to prepare virtual represantations of their design. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Fundamental principles of making represantations using computer. | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | | * Bilgisayar Destekli Tasarım AUTOCAD 2004, M. C.Kayacan, Ş. A. Çelik, N.Aydoğdu * AutoCAD 2004, A. N. Ekebaş, Seçkin Kitabevi * AutoCAD, G. Baykal | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, Datashow | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Presentation of the course and issues. |
| 2 | Explaining the most basic softwares of the computer, text-editing programs. |
| 3 | Work on text-editing softwares. Introduction to data management softwares. |
| 4 | Work on data management softwares. |
| 5 | Explaining to make a scientific research using University library. |
| 6 | Application of the library research work. |
| 7 | Midterm I |
| 8 | Introduction to graphic communication software. |
| 9 | Preparing a representation using graphic software. |
| 10 | Application with graphic software. |
| 11 | Introduction to 2d digital architectural drawings. |
| 12 | Midterm II |
| 13 | 2d drawing applications using Autocad. |
| 14 | Application using Autocad. |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **✔** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **✔** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **✔** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **✔** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **✔** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **✔** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **✔** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **✔** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **✔** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assistant Professor Dr. Öğr. Üyesi N. Aslı KAYA ÜÇOK

**Signature**: **Date:** 23.09.2011

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| **SEMESTER** | Fall |

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| **COURSE CODE** | **152013555** | **COURSE NAME** | Building Science and Technology 251 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 3 | 2 | | 2 | 0 | | 3 | | 6 | COMPULSORY(X) ELECTIVE () | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | | X | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 15 |
| 2nd Mid-Term | | | | | 1 | | | 15 |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Studioworks and weekly drawing assignments) | | | | | 1 | | | 45 |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 25 |
| **PREREQUIEITE(S)** | | | | | Building Science and Technology 152 | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | In this course, (1) the students to become familiar with the principles of staircases, stair systems and joinery work of windows and doors and be able to create a general overview of different stair systems and various window and door systems and (2) building materials, with respect to relationship between design and materials: Basic tools required for the selection and proper utilization of materials in building construction, including the types of building materials, mechanical, physical and chemical characteristics of materials, standards and their simple use and application techniques. Starting with common traditional building materials: stone and brick as unit materials, then timber and steel as materials used in skeleton systems, composite materials such as concrete, polymers, plastics and vinyl, synthetics and lastly glass and paintings. (3) Parallel to the knowledge of building materials contemporary construction techniques and systems are examined. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The objective of the course is to provide the students with understanding of building elements, construction materials and contemporary structural systems in a more detailed manner. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Students acquire the skill to think analytically, to present visually, and to solve structural problems in their professional life. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | At the end of this course the students acquire the skill to comprehend the relationships between material, structure and form finding, thus to successfully integrate structural decisions in their design processes. | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | | * Ching, Francis D. K. (1995). *A Visual Dictionary of Architecture.* New York: Van Nostrand Reinhold * Ching, Francis D. K. and Adams, Cassandra. (2001). *Çizimlerle Bina Yapım Rehberi,* Yem Yayın * Ching, Francis D. K. and Adams, Cassandra. (2001). *Building Construction Illustrated.* New York: John Wiley & Sons. * Türkçü, Ç. *Yapım: İlkeler, Malzemeler, Yöntemler, Çözümler* * Türkçü, Ç. *Çağdaş Yapım Sistemleri* * Onouye and Kane, ***Statics and Strength of Materials for Architecture and Building Construction***. Pearson Education, Prentice Hall * Mamlouk, Zaniewski, ***Materials for Civil and Construction Engineers.*** Addison Wesley * Simmons, Olin, ***Construction – Principles, Materials and Methods***. J. Wiley & Sons * Ramsey, Sleeper, ***Architectural Graphic Standards – Student Edition***. J. Wiley & Sons * Salvadori, ***Why Buildings Stand Up***. Norton, W. W. & Company, Inc. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Data show, Computer | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction. Overview of the course. |
| 2 | Circulation Elements |
| 3 | Circulation Elements |
| 4 | Doors and Windows |
| 5 | Materials in Building Element Design: Overview |
| 6 | Mid-term Exam |
| 7 | Materials and Determination of Structural Form |
| 8 | Mechanical Properties of Construction Materials |
| 9 | Non-mechanical Properties of Construction Materials |
| 10 | Manufacturing, Properties, Comparative Behavior, Applications in Construction: Steel, Non-ferrous metals, Concrete, Stone, Brick, Glass, Plastics, Composites |
| 11 | Manufacturing, Properties, Comparative Behavior, Applications in Construction: Steel, Non-ferrous metals, Concrete, Stone, Brick, Glass, Plastics, Composites |
| 12 | Mid-term Exam |
| 13 | Contemporary Structures |
| 14 | Contemporary Structures |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | ✔ |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | ✔ |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | ✔ |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | ✔ |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | ✔ |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | ✔ |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | ✔ |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | ✔ |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | ✔ |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assocıate Doctor Başak GÜÇYETER

**Signature**:  **Date:** 27.12.2022

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152013557 | **COURSE NAME** | Architectural Representation 241 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 3 | 3 | | 0 | 0 | | 3 | | 3 | COMPULSORY ( ) ELECTIVE (X ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | x | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 5 | | | 10 |
| Project | | | | | 1 | | | 50 |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | |  | | |  |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | This studio-based course will focus firstly on a series of material and process exercises, in which a range of alternative model-making materials will be explored. Students will consider an extended range of material possibilities; they will draw relationships between spatial qualities and the tactile, sensory and symbolic properties of materials during the thinking-making process. Armed with this knowledge, students will then identify a series of spatial precedents to work with as they develop a single model to exhibition standard, considering aspects of tectonic assembly, abstraction, representation and scale. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | This course aims to identify and develop individual strengths in material investigation and architectural model-making, and to develop an understanding of the significant role of 3D processes within a design context. Model-making will be approached as an intensely exploratory, experimental and catalytic practice in which models act not only as communicative devices, but as conduits for exploring spatial ideas. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To develop the ability to appreciate the three dimensional implications of design and to introduce the students to the techniques of model making. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Making of three dimensional forms and defining complex relations in 3D. Learning abstractions, scale, and three dimensional understanding of space | | | | | | | | |
| **TEXTBOOK** | | | | | Burry, M., Ostwald, M., Downton, P., & Mina, A. (2007). Homo Faber: mod**elling** architecture. Melbourne: Archadia Press.  Busch, A. (1991). The art of the architectural model. New York: Design Press  De Chadarevian, S., Hopwood, N. (2004). Models: The Third Dimension of Science. Stanford: University Press  Smith, A. (2004). Architectural Model as Machine: A New View of Models from Antiquity to the Present Day. Oxford: Elsevier.  Wolfgang Knoll, Martin Hechinger, Hans-Joachim Heyes, (2007) Architectural models: construction techniques | | | | | | | | |
| **OTHER REFERENCES** | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer or notebook, projection system and screen, blackboard. Pencil, Scalpel + blades , Cutting Matt, Vernier Calipers, Metal Ruler, Calculator, Super glue, Masking tape, Double sided tape, Protractor, Small modeling brushes, paper, cardboard, balsa wood, plaster | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction/ Materials and equipment |
| 2 | The workspace/ preparing for work |
| 3 | Strategies/preparing for work /abstraction |
| 4 | Topography models, volumetric models |
| 5 | Making the parts |
| 6 | Scale, materials and color |
| 7 | Streets, green spaces and water |
| 8 | Linear elements, structural shapes, planar surfaces, volumes |
| 9 | Objects that enhance scale |
| 10 | CNC milling machines |
| 11 | CNC laser cutters |
| 12 | Examples of finished models |
| 13 | Examples of finished models |
| 14 | The architectural models as a design problem |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **x** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **x** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **x** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **x** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** **):** Assist. Prof. Dr. T. Nihan Hacıömeroğlu

**Signature**: **Date:** 12.12.2011

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152013558 | **COURSE NAME** | Critics on Contemporary Space 271 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 3 | 3 | | 0 | 0 | | 3 | | 3 | ELECTIVE | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | | 1 | | | 20 |
| Homework | | | | | 1 | | | 40 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | |  | | | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | A theorethical course investigating the contemporary relationships between architecture and contemporary art. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | \* Seaching fort connections between spatial experiments in contemporary art and architecture.  \* To assess the problems of architecture and contemporary art.  \* Making assessments about the political content of architectural and contemporary art practices in biennials and in similar activities. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | \* The ability to gain a contemporary and critical vision on architectural discourses, ideologies and structures.  \* Gaining a clear vision about the structures within architectural culture and awareness and sensitivity about architectural heritage. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | \* To be knowledgeable about the histories and the production of biennials. \* Being familiar with the productions of architects within biennials. \* Observing and interpreting the common issues of contemporary architecture and contemporary practices of art. \* Criticising architectural products. | | | | | | | | |
| **TEXTBOOK** | | | | | \* İstanbul Art Biennial catagogues (2003, 2005, 2007, 2009, 2011), İKSV, İstanbul.\* Beral Madra, İki Yılda Bir Sanat, Norgunk Pub., 2003, İstanbul.\* Hasan Bülent Kahraman, Sanatsal Gerçeklikler, Olgular ve Öteleri, Yapı Kredi Pub., 1995, İstanbul. | | | | | | | | |
| **OTHER REFERENCES** | | | | | \* Sanat Dünyamız journal collection, 1996-2011, all issues, Yapı Kredi Pub., Ed. By Mine Haydaroğlu, İstanbul. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Data projection and laptop. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | An introduction about relationships between art, architecture and space. |
| 2 | Introduction to contemporary issues of art. |
| 3 | Architectural installation, biennial politics of art. |
| 4 | New art in Turkey and its relationship with architecture. |
| 5 | Kitsch and the city. |
| 6 | Art and architecture according to modernism and postmodernism. |
| 7 | Architectural biennials and the city. |
| 8 | Mid-term evaluation. |
| 9 | Art and architecture in the age of hyper-space, hyper-reality.  Value-porduction, museum system ve the arts today. |
| 10 | Ready-made and its spatiality. |
| 11 | Experimental literature and architecture. |
| 12 | The object in art and architecture. |
| 13 | Avand-gardism, art and architecture. |
| 14 | Final homework. |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **X** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **X** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  | **X** |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Prof. Dr. Levent Şentürk

**Signature**: **Date:**

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152013559 | **COURSE NAME** | Typography and Architecture |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 3 | 2 | | 0 |  | |  | |  | COMPULSORY ( ) ELECTIVE ( X) | | | | Türkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| x | | x | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 10 |
| 2nd Mid-Term | | | | | 1 | | | 10 |
| Quiz | | | | |  | | |  |
| Homework | | | | | 6 | | | 30 |
| Project | | | | | 1 | | | 50 |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | |  | | |  |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Basic knowledge of typography. Architecture and the use of typography. Experimental applications. The interaction of architecture and typography. City aesthetics. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Examine the interaction of architecture and typography. Evaluate in terms of the aesthetics of City. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | In this course, the use of typography in the field of architecture, and experimental approaches to comprehend the interaction can produce a creative architectural solutions targeted to the growth of contemporary architects. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Open horizons of students of architecture and design skills to enrich the future and the past. | | | | | | | | |
| **TEXTBOOK** | | | | | Çağdaş Tipografinin Temelleri, Namık Kemal Sarıkavak, Doruk yayın, 1997 | | | | | | | | |
| **OTHER REFERENCES** | | | | | Görsel İletişim ve Grafik Tasarım, Uçar, T. Fikret, İnkilap Yayınevi, 2004İletişim ve Grafik Tasarım Becer, Emre, Dost Kitapevi, 2000Görsel İletişimde Sayfa Düzeni ve Tipografi, Ragıp İstek, Pusula Yayıncılık, İstanbul, 2004Gutenberg galaksisi: tipografik insanın oluşumu, Marshall McLuhan, çev. Gül Çağalı Güven, İstanbul, 2011.Çağdaş Grafik Tasarımın Gelişimi, Dilek Bektaş, İstanbul:, Yapı Kredi Yayınları, 2002Kent, Görsel Kimlik ve İletişim Susar Filiz, Yayınoğlu Pınar Eraslan Umuttepe Yayınları, 2008The Art of Typography. Martin Solomon, New York, Watson-Guptill Publications, 1990.Using Type Right. Ohio: Nort Ligh Books., E. Thedore Conover, Graphic Communication Today. USA: West Pub. Co., 1995.Las Vegas’ın Öğrettikleri, Robert Venturi, Şevki Vanlı Mimarlık Vakfı Yayınları. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Projector, Computer | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Presentation of the course |
| 2 | The history of typography |
| 3 | Basic knowledge and principles of typography |
| 4 | Experimental typography |
| 5 | Typography and design interaction |
| 6 | Typography and design interaction |
| 7 | City aesthetics and typography |
| 8 | Introduction to applied studies |
| 9 | practical homeworks |
| 10 | practical homeworks |
| 11 | practical homeworks |
| 12 | practical homeworks |
| 13 | practical homeworks |
| 14 | practical homeworks |
| 15,16 | Final |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **x** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **x** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **x** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **x** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Prof..Dr. Şirin BENUĞUR

**Signature**:  **Date:**

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152013560 | **COURSE NAME** | Material Selection and Detail Relations |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 3 | 3 | | 0 | 0 | | 3 | | 3 | COMPULSORY ( ) ELECTIVE (X) | | | | Türkçe |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | | X | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 4 | | | 40 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | | Homework | | | | | 1 | | | 60 |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | In this course, facade cladding, roofing, floor covering and insulation systems, material and detail relations are introduced in general terms, choosing the right materials for the purpose of use of buildings and the importance of correct detail solutions in terms of economic usage and user comfort will be explained through examples. Following the theoretical lecture for general information, the student will be asked to reinforce the relevant topic with the research assignment requested in the following week. A selected sample project or the student's work in the architectural project atelier of his own project in the material decisions and detail solutions will be asked to create a contribution to the design process. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is to teach the student the importance of detail and material decisions during the application and usage, to include the selection of details and materials in architectural project designs and to gain the discipline to the student. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Material and detail information and culture supporting the vocational education of the student will be increased. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Material research will develop your interest and ability.  Problem solving discipline will be gained with detailed solution studies.  The effect of material and detail selection on the design process will be learned.  The effect of material and detail selection on building construction and usage economy will be learned.  The effect of material and detail selection on user comfort will be learned. | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | | Her türlü malzeme bilgisi ilgili ders kitabı, her türlü yapı-ince yapı ilgili ders kitabı, malzeme firmalarına ait detay çözüm katalog ları ve ilgili web sayfaları v.b | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projection and sound system | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Explaining the importance of material and detail decisions in design, application and usage processes through examples |
| 2 | General introduction of material and detail solutions of facade cladding systems through examples |
| 3 | 1. Homework student presentation and discussions |
| 4 | General introduction of material and detail solutions of roof covering & rain drainage systems through examples |
| 5 | 2. Homework student presentation and discussions |
| 6 | Introduction of material and detail solutions of indoor-outdoor floor covering systems through examples |
| 7 | 3. Homework student presentation and discussions |
| 8 | Heat, sound and waterproofing systems, material and detail solutions through examples |
| 9 | 4. Homework student presentation and discussions |
| 10 | Determination of architectural project for final assignment |
| 11 | Studio and Worksop Studies |
| 12 | Studio and Worksop Studies |
| 13 | Studio and Worksop Studies |
| 14 | Studio and Worksop Studies |
| 15,16 | Final Work Submission |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Prof. Dr. Ayşen Çelen Öztürk

**Signature**:  **Date:**28.07.2013

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152013562 | **COURSE NAME** | Creative Design Studies |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 3 | 3 | | - | - | | 3 | | 3 | COMPULSORY () ELECTIVE ( X) | | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| X | |  | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 60 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | | Final Work Submission | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Lecture covers discussions on creativity and creative methods that supported by creative design cases. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | One of the objectives of the course is for students to understand diverse conceptual approaches in creative thinking and provide students to understand the creativity as a thinking process. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | The inquiry of creativity concept will be the source of architectural researches. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | The aim is to improve observation, interpretation of students in a scientific manner. | | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, sound systems and necessary software for presentations. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | What is creativity? What creative studies include? |
| 3 | What is brainstorming? |
| 4 | Brainstorming studies and related studies |
| 5 | What is conceptual mapping? |
| 6 | conceptual mapping and related studies |
| 7 | What is issue-concept -form studies ? |
| 8 | issue-concept -form related studies |
| 9 | What is analogy? |
| 10 | Biommicry method and related studies |
| 11 | What is TRIZ .? |
| 12 | TRIZ and related studies |
| 13 | What is Metaphor? |
| 14 | Metaphor and related studies ? |
| 15,16 | Final work submission |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assoc.Prof. Dr. Gökçe Ketizmen

**Signature**:  **Date:** 01.08.2022

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152013563 | **COURSE NAME** | Ancient Architecture and Architects |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 3 | 3 | | 0 | 0 | | 3 | | 3 | COMPULSORY ( ) ELECTIVE (x ) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | x | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | %50 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | %50 |
| **PREREQUIEITE(S)** | | | | | -- | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Teaching to Ancient Architecture within different examples, periods and geographies | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Architecture students to gain the fundamental of Ancient Architecture. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To teach the concept of architectural continuity and basic examples of architecture | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Teaching the concept of architectural continuity and basic examples of architecture | | | | | | | | |
| **TEXTBOOK** | | | | | Augustus. Monumentum Ancyranum. Ankara Anıtı (Çev. Ç. Dürüşken), İstanbul, 2009.  Hesiodos. Hesiodos Eseri ve Kaynakları (Theogonia – İşler ve Günler, Çev. S. Eyüboğlu – A. Erhat), Ankara, 1991.  Homeros. İlyada (Çev. A. Erhat – A. Kadir), İstanbul, 1988.  Homeros. Odysseia (Çev. A. Erhat – A. Kadir), İstanbul, 1984.  Homeros İlahileri (Homerik Hymnoslar, Çev. A. Eti Sina), İstanbul, 2008.  Herodotos. Tarih (Çev. M. Ökmen), İstanbul, 2013.  Pausanias. Description of Greece (Çev. W.H.S. Jones, C. 5 edt. R.E. Wycherley), The Loeb Classical Library, Londra, 1969-1975.  Plinius. Naturalis Historia (Çev. J. Bostock, H.T. Riley, perseus.tufts.edu).  Strabon. Geographika: IX (Çev. H.L. Jones), The Loeb Classical Library, Londra, 1924.  Vitruvius. De Architectura. Mimarlık Üzerine On Kitap (Çev. S. Güven), İstanbul, 1993. | | | | | | | | |
| **OTHER REFERENCES** | | | | | Aktüre, S. 2004. Anadolu’da Bronz Çağ Kentleri, İstanbul.  Akurgal, E. 2007. Anadolu Uygarlıkları, İstanbul.  Aydınlı, S. 1933. Mimarlıkta Estetik Değerler, İstanbul.  Ballantyne, A. 2010. Mimarlar İçin Deleuze ve Guattari (Çev. R. Öğdül), İstanbul.  Bankel, H. 1993. Der spätarchaische Tempel der Aphaia auf Aegina (DAA 19), Berlin.  Baudrillard, J. – Nouvel, J. 2011. Tekil Nesneler. Mimarlık ve Felsefe (Çev. A.U. Kılıç), İstanbul.  Bernal, M. 2003. Kara Athena. Eski Yunanistan Uydurmacası Nasıl İmal Edildi? 1785-1985 (Çev. Ö. Buze), İstanbul.  Bernhard-Walcher, A. 2008. “Efes Artemisi Kutsal Alanı”, Efes Artemisionu. Bir Tanrıçanın Kutsal Mekanı, Viyana, 15-24.  Fleming, J. – Honour, H. – Pevsner, N. 1966. The Penguin Dictionary of Architecture, Middlesex.  Friedel, E. 1999. Antik Yunan’ın Kültür Tarihi (Çev. N. Aça), Ankara.  Gates, C. 2015. Antik Kentler: Antik Yakındoğu, Mısır, Yunan ve Roma’da Kentsel Yaşamın Arkeolojisi, İstanbul.  Kortanoğlu, R.E. 2013. “Tieion/Tios Akropolis’inde Ortaya Çıkartılmış Anıtsal Bir Yapının Kalıntıları Üzerine Gözlemler”, CollAn 12, 211-238.  Kortanoğlu, R.E. 2015. “Yunan Tapınağı Olarak İsimlendirilmiş Yapının Temel Doğasına Yüklenmiş Anlam-lar” (The Meaning(s) Attributed to the Fundamental Nature of the Structure Named Greek Temple), CollAn 14, 83-101 (English version in academia.edu). | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Screen, Projection Machine (Data-show), Computer | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Ancient Period and Chronology |
| 2 | Terminology and Vitruvius |
| 3 | Terminology and Architectural Plastik |
| 4 | Outlines of Ancient Greek Architecture and Architects |
| 5 | Outlines of Ancient Greek Architecture and Architects |
| 6 | Ancient Urbanism and Hippodamos |
| 7 | Ancient Cities with Regular Plan and Building Forms |
| 8 | Ancient Cities with non-Regular Plan and Building Forms |
| 9 | Religion Architecture and Temenos. Architects From Daidalos until end of the Archaic Period |
| 10 | Religion Architecture and Temenos. Architects From Classical Period to Hermogenes |
| 11 | Public Architecture and Related Structures. Agora and Urbanism |
| 12 | Public Architecture and Related Structures. Greek Theatre and Urbanism |
| 13 | Domestic Architecture in Exemples: Olynthos, Priene and Delos |
| 14 | Reflections of Ancient Theories and Masses to Modern Architecture |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **x** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **x** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  |  | **x** |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **x** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  | **x** |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **x** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **x** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assistant Professor Terane Mehemmedova Burnak **Signature**:

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152013554 | **COURSE NAME** | History of Art and Architecture 221 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 3 | 3 | | - | - | | 3 | | 4 | COMPULSORY(X) ELECTIVE () | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | | 1 | | | 30 |
| Quiz | | | | | - | | | - |
| Homework | | | | | 1 | | | 10 |
| Project | | | | | - | | | - |
| Report | | | | | - | | | - |
| Others (………) | | | | | - | | | - |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 30 |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | An introduction to the study of the concepts, designs and built examples of architecture from antiquity through approximately the 15th century. Selected projects from throughout the world will be analyzed in terms of planning, design, structure, technique, function, social context and meaning. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course is designed to furnish the student with a basic knowledge of major developments in the history of architecture from the earliest built environments to the end of the Gothic period. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | It presents an opportunity to architectural students to be equipped with the basic knowledge and understanding of a history of architecture | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Get a basic introduction to a history of architecture. By the end of the course the student is expected to have a basic chronological sense of major architectural developments and be able to recognize and rationalize changes in form and material with a contextual approach. | | | | | | | | |
| **TEXTBOOK** | | | | | Francis D. K. Ching, Mark M. Jarzombek, Vikramaditya Prakash, A Global History of Architecture, John Wiley & Sons, 2006  Leland M. Roth, Understanding Architecture: Its Elements, History, And Meaning, Westview Press, 2nd edition, 2006  Marian Moffett, Lawrence Wodehouse, Michael Fazio, A World History of Architecture, McGraw-Hill Professional, 2003  David Watkin, A History of Western Architecture, Watson-Guptill Publications, 2000  Dan Cruickshank (Editor), Sir Banister Fletcher's A History of Architecture  Architectural Press, 1996  Spiro Kostof, Gregory Castillo, Richard Tobias , A History of Architecture: Settings and Rituals, Oxford University Press, 1995  Blair and Bloom, Art and Architecture of Islam, 5-19, 37-54, 70-96  O’Kane, “Monumentality in Mamluk and Mongol Art and  Architecture,” 499-522  Necipoglu, Challenging the Past:Sinan and the Competitive Discourse  of Early Modern Islamic Architecture,” 169-80  Humphreys, “The Expressive Intent of the Mamluk Architecture of  Cairo,” 69-119  Kuban, Istanbul: An Urban History, pp.198-323.  Vryonis, “Byzantine Constantinople and Ottoman Istanbul,” 13-52  Necipoglu, “The Life of an Imperial Monument,” 195-225  Goodwin, “A History of Ottoman Architecture,” 35-102  Necipoglu, Architecture, Ceremonial, and Power, 3-31, 242-58  Necipoglu, “The Suburban Landscape of Sixteenth-Century Istanbul as a  Mirror of Classical Ottoman Garden Culture,” 32-71 | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer or notebook, projection system and screen, blackboard. etc. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction. Architecture and history. |
| 2 | Concepts of function, construction and beauty. |
| 3 | The origin of architecture in the prehistoric period. Ancient East architecture: Egypt, Mesopotamia and Crete. |
| 4 | Ancient Greek architecture: its forms and expression. Residential and public Greek architecture. Etruscan architecture. |
| 5 | Ancient Roman architecture. Its structure and techniques. Roman architectural forms. Etruscan and Hellenistic influences. New perception of space. Roman church architecture. Roman public architecture. |
| 6 | Roman residential architecture (domus, insula, villa, palace). History of Roman architecture from the Republican period to the Late Antiquity. Vitruvius and the principles of classical architecture. |
| 7 | Introduction to the medieval architecture. |
| 8 | Early Christian and Early Byzantine architecture. Middle and Late period of the Byzantine architecture. |
| 9 | Islamic architecture (Late Medieval Precedents (Timurid, Mamluk) |
| 10 | Islamic architecture (Ottoman Capitals: Bursa, Edirne and Istanbul) |
| 11 | Islamic architecture (Ottoman Pallatial Architecture and Gardens) |
| 12 | Ottoman architecture (Mimar Sinan) |
| 13 | Pre-Romanesque architecture. Early, High and Late Romanesque architecture. |
| 14 | Gothic architecture and the rise of cities. French Gothic in the 12th and 13th century. Gothic cathedral as an architectural system. Italian Gothic. Central European Gothic. Gothic secular architecture. |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Prof. Dr. Levent Şentürk

**Signature**: **Date:** 12.12.2011

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152013561 | **COURSE NAME** | Architectural Design 201 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 3 | 4 | | 8 |  | | 8 | | 12 | COMPULSORY (X) ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| X | |  | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | | 1 | | | 45 |
| Report | | | | |  | | |  |
| Others (3rd Mid-Term) | | | | |  | | |  |
| **FINAL EXAM** | | | | | Project | | | | | 1 | | | 55 |
| **PREREQUIEITE(S)** | | | | | Architectural Design 201, Architectural Design 202 | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | A one term-long architectural design problem founded on occupant-based approaches aiming at diversity, site planning, environmental conscious design, public/private space, modularity, interrelations between buildings/building groups or built environment. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Development of housing projects in cycle with an overview of existing procedures, mechanism of housing, planning, design and production in Turkey.  Evaluation of qualitative and quantitative aspects of existing housing stocks or other multi-block functions.  Evaluation of historical or natural environments through site analysis studies. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | |  | | | | | | | | |
| **COURSE OUTCOMES** | | | | |  | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | | Contemporary architecture, design and art journalsData basesPrinted publications | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Traditional and digital drawing tools and gadget, computer, projector, necessary software | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction of the project topic discussions on the program and the project area |
| 2 | Studies on concept and program, area analysis 1/1000 |
| 3 | Studies on concept and program, area analysis 1/1000 – 1/500, site plan 1/500 |
| 4 | I. Mid Jury |
| 5 | Plans – sections 1/500 |
| 6 | Plans, sections and elevations 1/500 |
| 7 | Plans, sections and elevations 1/500 |
| 8 | II. Mid Jury |
| 9 | Plans, sections and elevations 1/500 |
| 10 | Plans, sections and elevations 1/500 |
| 11 | Plans, sections and elevations 1/500 |
| 12 | III. Mid Jury |
| 13 | Plans, sections and elevations 1/200 |
| 14 | Plans, sections and elevations 1/200 |
| 15,16 | Final term jury |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **x** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Prof. Dr. Hakan Anay

**Signature**:  **Date:** 28.10.2021

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152013566 | **COURSE NAME** | Building Science and Technology 251 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 3 | 2 | | 2 | 0 | | 3 | | 5 | COMPULSORY(X) ELECTIVE () | English |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
|  | |  | | | | | X | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | | 1 | 15 |
| 2nd Mid-Term | | | | 1 | 15 |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Studioworks and weekly drawing assignments) | | | | 1 | 45 |
| **FINAL EXAM** | | | | |  | | | | 1 | 25 |
| **PREREQUIEITE(S)** | | | | | Building Science and Technology 152 | | | | | |
| **COURSE DESCRIPTION** | | | | | In this course, (1) the students to become familiar with the principles of staircases, stair systems and joinery work of windows and doors and be able to create a general overview of different stair systems and various window and door systems and (2) building materials, with respect to relationship between design and materials: Basic tools required for the selection and proper utilization of materials in building construction, including the types of building materials, mechanical, physical and chemical characteristics of materials, standards and their simple use and application techniques. Starting with common traditional building materials: stone and brick as unit materials, then timber and steel as materials used in skeleton systems, composite materials such as concrete, polymers, plastics and vinyl, synthetics and lastly glass and paintings. (3) Parallel to the knowledge of building materials contemporary construction techniques and systems are examined. | | | | | |
| **COURSE OBJECTIVES** | | | | | The objective of the course is to provide the students with understanding of building elements, construction materials and contemporary structural systems in a more detailed manner. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Students acquire the skill to think analytically, to present visually, and to solve structural problems in their professional life. | | | | | |
| **COURSE OUTCOMES** | | | | | At the end of this course the students acquire the skill to comprehend the relationships between material, structure and form finding, thus to successfully integrate structural decisions in their design processes. | | | | | |
| **TEXTBOOK** | | | | |  | | | | | |
| **OTHER REFERENCES** | | | | | * Ching, Francis D. K.  (1995). *A Visual Dictionary of Architecture.* New York: Van Nostrand Reinhold * Ching, Francis D. K. and Adams, Cassandra. (2001). *Çizimlerle Bina Yapım Rehberi,* Yem Yayın * Ching, Francis D. K. and Adams, Cassandra. (2001). *Building Construction Illustrated.* New York: John Wiley & Sons. * Türkçü, Ç. *Yapım: İlkeler, Malzemeler, Yöntemler, Çözümler* * Türkçü, Ç. *Çağdaş Yapım Sistemleri* * Onouye and Kane, *Statics and Strength of Materials for Architecture and Building Construction*. Pearson Education, Prentice Hall * Mamlouk, Zaniewski, *Materials for Civil and Construction Engineers****.*** Addison Wesley * Simmons, Olin, *Construction – Principles, Materials and Methods*. J. Wiley & Sons * Ramsey, Sleeper, *Architectural Graphic Standards – Student Edition*. J. Wiley & Sons * Salvadori, *Why Buildings Stand Up*. Norton, W. W. & Company, Inc. | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Data show, Computer | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction. Overview of the course. |
| 2 | Circulation Elements |
| 3 | Circulation Elements |
| 4 | Doors and Windows |
| 5 | Materials in Building Element Design: Overview |
| 6 | Mid-term Exam |
| 7 | Materials and Determination of Structural Form |
| 8 | Mechanical Properties of Construction Materials |
| 9 | Non-mechanical Properties of Construction Materials |
| 10 | Manufacturing, Properties, Comparative Behavior, Applications in Construction: Steel, Non-ferrous metals, Concrete, Stone, Brick, Glass, Plastics, Composites |
| 11 | Manufacturing, Properties, Comparative Behavior, Applications in Construction: Steel, Non-ferrous metals, Concrete, Stone, Brick, Glass, Plastics, Composites |
| 12 | Mid-term Exam |
| 13 | Contemporary Structures |
| 14 | Contemporary Structures |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | α |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | α |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | α |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | α |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | α |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | α |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | α |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | α |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | α |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Associate Professor Başak GÜÇYETER

**Signature**: **Date:** 28.10.2021

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152013564 | **COURSE NAME** | History of Urban Design |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 3 | 3 | | 0 | 0 | | 3 | | 3 | ELECTIVE | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
|  | | X | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | | 4 | 40 |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Presentations) | | | | 1 | 20 |
| **FINAL EXAM** | | | | | Presentation | | | | 1 | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | The evolution of design of urban space in history | | | | | |
| **COURSE OBJECTIVES** | | | | | One specialization of the discipline of architecture is urban design, a common study area of architecture, city planning and landscape architecture. The course aims to provide a background for those interested in urban design and to help the students to interpret the context in a better way. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Students will better interpret the current context by understanding how cities and urban spaces were designed in history under distinct geographical, intellectual, social, economic and political situations. | | | | | |
| **COURSE OUTCOMES** | | | | | To be able to understand how urban design differs under different circumstances in history; to be able to understand how design ideas inspired each other; to gain the competence of interpreting the context. | | | | | |
| **TEXTBOOK** | | | | | - | | | | | |
| **OTHER REFERENCES** | | | | | Alexander, Christopher, A New Theory of Urban Design, Oxford University Press, New York, 1987.  Anderson, Stanford (editor), On Streets, MIT Press, Cambridge, Mass., 1991.  Appleyard, Donald, The View from the Road, MIT Press, Cambridge, Mass., 1964.  Bacon, Edmund N., Design of Cities, Viking Press, New York, 1967.  Barnett, Jonathan, An Introduction to Urban Design, Harper & Row, New York, 1982  Barnett, Jonathan, The Elusive City: Five Centuries of Design, Ambition, and Miscalculation, Harper & Row, New York, 1986.  Boyer, M. Christine, The City of Collective Memory: Its Historical Imagery and Architectural Entertainments, MIT Press, Cambridge, Mass., 1994.  Boyer, M. Christine, Dreaming the Rational City: The Myth of American City Planning, MIT Press, Cambridge, Mass., 1983.  Collins, George R. and Collins, Christine Crasemann, Camillo Sitte: The Birth of Modern City Planning, Rizzoli, New York, 1986.  Cullen, Gordon, Townscape, Reinhold, New York, 1961  Gosling, David and Maitland, Barry, Concepts of Urban Design, Academy Editions, St. Martin's Press, London and New York, 1984.  Jacobs, Alan, Great Streets, MIT Press, Cambridge, Mass., 1993.  Jacobs, Jane, The Death and Life of Great American Cities, Random House, New York, 1961  Katz, Peter, The New Urbanism: Toward an Architecture of Community, McGraw-Hill, New York, 1994.  Kelbaugh, Doug, editor, The Pedestrian Pocket Book: A new Suburban Design Strategy, Princeton Architectural Press, New York, 1989.  Kostoff, Spiro, The City Shaped: Urban Patterns and Meanings Through History, Thames and Hudson, London, 1991.  Krier, Rob, Urban Space, Rizzoli, New York, 1979.  Lynch, Kevin, The Image of the City, Technology Press & Harvard University Press, Cambridge, Mass., 1960.  Lynch, Kevin, A Theory of Good Urban Form, MIT Press, Cambridge, Mass., 1981.  Newman, Oscar, Defensible Space, MacMillan, New York, 1972  Rasmussen, Steen Eiler, Towns and Buildings, MIT Press, Cambridge, Mass., 1949.  Rossi, Aldo, The Architecture of the City, MIT Press, Cambridge, Mass., 1982.  Rowe, Colin and Koetter, Fred, Collage City, MIT Press, Cambridge, Mass., 1979?  Rowe, Peter, Making a Middle Landscape, MIT Press, Cambridge, Mass., 1991.  Sennett, Richard, The Conscience of the Eye: The Design and Social Life of Cities, W.W. Norton, New York, 1990.  Sennett, Richard, The Fall of Public Man, Knopf, New York, 1977  Sitte, Camillo, The Art of Building Cities: City Building According to its Artistic Fundamentals, translated by Charles T. Stewart, Reinhold Publishing Corporation, New York, 1945.  Sorkin, Michael, editor, Variations on a Theme Park, Noonday Press, New York, 1992.  Stein, Clarence S., Toward New Towns for America, University Press of Liverpool, Liverpool, 1951.  Unwin, Raymond, Town Planning in Practice: An Introduction to the Art of Designing Cities and Suburbs, Princeton Architectural Press, New York, 1994.  Whyte, William, The Social Life of Small Urban Spaces, The Conservation Foundation, Washington, D.C., 1980. (HT153.W49). | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, sound systems and necessary software for presentations. | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Information on the course |
| 2 | Hipodamus and the birth of urban planning |
| 3 | Urban form in Medieval Europe |
| 4 | Re-birth of the Classical Age, humanism and urban design |
| 5 | Autocracy and urban design; transfer of Baroque design principles to America |
| 6 | Industrial Revolution and Utopias |
| 7 | Beautiful Cities.. |
| 8 | Garden Cities |
| 9 | Modernist Movement |
| 10 | Criticism of Modernist Movement |
| 11 | Collage City |
| 12 | New traditional design: New Urbanism |
| 13 | Recent approaches in urban design |
| 14 | Course evaluation |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **X** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **X** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Assist.Prof.Dr. Açalya Alpan

**Signature**:            **Date:** 18.04.2019

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| **SEMESTER** | FALL |

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| **COURSE CODE** | 152013565 | **COURSE NAME** | LANDSCAPE DESCRIPTION, ARCHITECTURAL ILLUSTRATION |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 3 | 2 | | 2 | - | | |  | |  | COMPULSORY | Turkısh |
| **COURSE CATAGORY** | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| x | |  | | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | |
| **MID-TERM** | | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | | 1 | 40 |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Presentations) | | | |  |  |
| **FINAL EXAM** | | | | | |  | | | | 1 | 60 |
| **PREREQUIEITE(S)** | | | | | |  | | | | | |
| COURSE DESCRIPTION | | | | | | Landscape definition, content, design and examples which are closely related with architecture will be adopted to the students. The process of explaining this definition and trying to comprehend the design will be done with illustration and various graphic presentations. The use of sketch books will be compulsory and practical applications of hand drawing and quick design thinking will be made. | | | | | |
| COURSE OBJECTIVES | | | | | | In this course, illustration techniques which are very important in all branches of design will be discussed and landscape definition will be examined while learning these techniques. | | | | | |
| CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION | | | | | | It is aimed to increase students' desire to participate in interdisciplinary studies and to increase their sensory description skills. | | | | | |
| COURSE OUTCOMES | | | | | | Increasing students' design skills, To raise awareness of the relationship of architecture with other disciplines, | | | | | |
| **TEXTBOOK** | | | | | |  | | | | | |
| **OTHER REFERENCES** | | | | | | All architecture, design and art magazines Architecture databases | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer for presentation and demonstration, searchlight, sound system, necessary software | | | | | | |
|  | | | | |  | | | | | | |
| **COURSE SYLLABUS** | | | | | | | | | | | |
| **WEEK** | **TOPICS** | | | | | | | | | | |
| 1 | acquaintance | | | | | | | | | | |
| 2 | Questioning the concept of architecture and landscape | | | | | | | | | | |
| 3 | Illustration concept | | | | | | | | | | |
| 4 | Illustrators from around the world | | | | | | | | | | |
| 5 | presentations | | | | | | | | | | |
| 6 | illustration exercise on the definition of landscape | | | | | | | | | | |
| 7 | Student Presentations | | | | | | | | | | |
| 8 | Submission of Homework | | | | | | | | | | |
| 9 | Landscape, rural, architecture, natural and so on. concepts and line equivalents | | | | | | | | | | |
| 10 | Student Presentations | | | | | | | | | | |
| 11 | Presenting the architectural competition experience with an illustrator | | | | | | | | | | |
| 12 | How is the reference collected? Definitions and reference examples | | | | | | | | | | |
| 13 | Student Presentations | | | | | | | | | | |
| 14 | Student Presentations | | | | | | | | | | |
| 15,16 | Final Homework | | | | | | | | | | |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **x** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   MERVE YAVUZ

**Signature**:            **Date:**

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| **SEMESTER** | FALL |

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| **COURSE CODE** | 152013567 | **COURSE NAME** | TOPOGRAPHY SURVEY |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| **3** | **0** | | 0 | 0 | | **0** | | **1** | COMPULSORY (**X** )  ELECTIVE ( ) | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
|  | |  | | | | | **X** | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (………) | | | |  |  |
| **FINAL EXAM** | | | | | REPORTING | | | | **1** | **100** |
| **PREREQUISITE(S)** | | | | | --- | | | | | |
| **COURSE DESCRIPTION** | | | | | It is an internship done as a topography internship within the framework of the Internship Practice Principles of the Department of Architecture. | | | | | |
| **COURSE OBJECTIVES** | | | | | To consolidate the theoretical and applied knowledge received in Undergraduate Education. To see the application of engineering knowledge received in undergraduate education in working life. | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Prepare for the realities and conditions of business life. | | | | | |
| **COURSE OUTCOMES** | | | | | Students will be able to recognize their profession as a part of education. Students will be able to reinforce their theoretical and applied knowledge. Students will be able to see the application of acquired engineering knowledge in business life. | | | | | |
| **TEXTBOOK** | | | | | --- | | | | | |
| **OTHER REFERENCES** | | | | | **---** | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | --- | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Internship applications |
| 2 | Internship applications |
| 3 | Internship applications |
| 4 | Internship applications |
| 5 | Internship applications |
| 6 | Internship applications |
| 7 | Internship applications |
| 8 | Internship applications |
| 9 | Internship applications |
| 10 | Internship applications |
| 11 | Internship applications |
| 12 | Internship applications |
| 13 | Internship applications |
| 14 | Internship applications |
| 15 | Internship applications |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **X** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **X** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  | **X** |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Assist.Prof.Dr. Açalya Alpan

**Signature**:   **Date:** 01.11.2021

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**SECOND YEAR**

**SPRING**

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| **SECOND YEAR SPRING** | | **TEO** | **UYG** | **KRD** | **ECTS** |
| 151012209 | History Of Turkish Revolution And Principles Of Kemal Atatürk: II | 2 | 0 | 2 | 2 |
| 152014556 | Computer Aided Design 262 | 1 | 2 | 2 | 3 |
| 152014656 | Architectural Design 202 | 4 | 8 | 8 | 12 |
| 152014554 | History Of Architecture 222 | 3 | 0 | 3 | 4 |
| 152014555 | Building Science And Technology 252 | 2 | 2 | 3 | 6 |
| 152014557 | Design for All: User in Architectural Design 242 | 3 | 0 | 3 | 3 |
| 152014558 | Experience Design | 3 | 0 | 3 | 3 |
| 152014559 | Critics On Contemporary Space 272 | 3 | 0 | 3 | 3 |
| 152014560 | Cinema and Space | 3 | 0 | 3 | 3 |
| 152014561 | Urban Morphology | 3 | 0 | 3 | 3 |
| 152014562 | Architectural Models and Construction Techniques | 3 | 0 | 3 | 3 |
| 152014563 | History Of Contemporary Architecture | 3 | 0 | 3 | 3 |
| 152014564 | Indesign | 3 | 0 | 3 | 3 |
|  |  |  |  | **21** | **30** |

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152014656 | **COURSE NAME** | Architectural Design 202 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 4 | 4 | | 8 |  | | 8 | | 12 | COMPULSORY (X)  ELECTIVE (  ) | English |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| X | |  | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | | 1 | 45 |
| Report | | | |  |  |
| Others (3rd Mid-Term) | | | |  |  |
| **FINAL EXAM** | | | | | Project | | | | 1 | 55 |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | Students are expected to design and conclude an architectural project keeping with pre-defined submission requirements. The design should be formulated with a closed space less than 1000 meter square integrating public, semi-public and private use and in an urban context with the restrictions of close built environment. | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is to develop students’ creative and communicative design skills further and to establish self-criticism through given design problem. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | |  | | | | | |
| **COURSE OUTCOMES** | | | | | Learning the skills to do design research, site analysis, concept development, functional analysis, spatial planning, environmental aspects, transition between spaces | | | | | |
| **TEXTBOOK** | | | | |  | | | | | |
| **OTHER REFERENCES** | | | | | Contemporary architecture, design and art journals  Data bases  Printed publications | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Traditional and digital drawing tools and gadget, computer, projector, necessary software | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction of the project topic discussions on the program and the project area |
| 2 | Studies on concept and program, area analysis 1/1000 |
| 3 | Studies on concept and program, area analysis 1/1000 – 1/500, site plan 1/500 |
| 4 | I. Mid Jury |
| 5 | Site plan 1/500, Plans 1/500 |
| 6 | Plans, sections 1/500 |
| 7 | Plans, sections 1/500 |
| 8 | II. Mid Jury |
| 9 | Plans, sections and elevations 1/500 |
| 10 | Plans, sections and elevations 1/500 |
| 11 | Plans, sections and elevations 1/500 |
| 12 | III. Mid Jury |
| 13 | Plans, sections and elevations 1/500 and silhouette |
| 14 | Plans, sections and elevations 1/500 and silhouette |
| 15,16 | Final term jury |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **x** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Prof. Dr. Hakan Anay

**Signature**:             **Date:**28.10.2021

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152014554 | **COURSE NAME** | History of Architecture 222 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 4 | 3 | | - | - | | 3 | | 4 | COMPULSORY (X) ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | | 1 | | | 30 |
| Quiz | | | | | - | | | - |
| Homework | | | | | 1 | | | 10 |
| Project | | | | | - | | | - |
| Report | | | | | - | | | - |
| Others (………) | | | | | - | | | - |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 30 |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | HTC 222 is an introduction to the study of the concepts, designs and built examples of architecture from approximately the 15th through the 20th century. Selected projects from throughout the world will be analyzed in terms of planning, design, structure, technique, function, social context and meaning. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course is designed to furnish the student with a basic knowledge of major developments in the history of architecture from the 15th through the 20th century | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | It presents an opportunity to architectural students to be equipped with the basic knowledge and understanding of a history of architecture | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Get a basic introduction to a history of architecture. By the end of the course the student is expected to have a basic chronological sense of major architectural developments and be able to recognize and rationalize changes in form and material with a contextual approach. | | | | | | | | |
| **TEXTBOOK** | | | | | Banister Fletcher, A History of Architecture on the Comparative Method, 1896  William Curtis, Modern Architecture Since 1900, Prentice Hall  Rolf Toman (Editing): Neoclassicism and Romanticism. Architecture, Sculpture, Painting,  Drawings. 1750-1848. Kˆnemann, Cologne, 2000  Claude Mignot: Architecture of the 19’th Century. Taschen, Köln, 1994  Middleton, Robin & Watkin, David: Neoclassical and 19’th century architecture.  Harry N. Abrams, Inc., Publishers, New York, 1980  Pier Luigi Nervi: History of world architecture  Pevsner, Nikolaus: A History of Building Types. Thames and Hudson, London, 1976  Nikolaus Pevsner: An Outline of European Architecture, Penguin Books, Harmondsworth,  Middlesex,  1963Alan Braham, The Architecture of the French Enlightenment (Berkeley: University of California, 1980),  Barry Bergdoll, (Oxford, 2000),  Robin Middleton and David Watkin, Neoclassical and Nineteenth Century Architecture (New York: Rizzoli, 1983)  Marc Antoine Laugier, Essay on Architecture;  William Pierson, American Buildings and Their Architects: Vol. 1 The Colonial and Neo-Classical Styles;  Kenneth Clark, The Gothic Revival, | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer or notebook, projection system and screen, blackboard. etc. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Early Renaissance |
| 3 | High Renaissance |
| 4 | Mannerism |
| 5 | Baroque |
| 6 | Rococo |
| 7 | Neoclassicism |
| 8 | Romanticism |
| 9 | Gothic Revival |
| 10 | Eclecticism |
| 11 | Historicism |
| 12 | The Beaux-Arts |
| 13 | Chicago School |
| 14 | Pre Modern Architecture |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Prof. Dr. Levent Şentürk

**Signature**: **Date:** 12.12.2022

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 151012209 | **COURSE NAME** | History of Turkish Revolution and Principles of Kemal Atatürk: II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 4 | 2 | | 0 | 0 | | 2 | | 2 | COMPULSORY(x) ELECTIVE ( ) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | | 1 | | | 40 |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 60 |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The Description of the term “revolution”; major historical events in the Ottoman Empire to the end of World War I; a general overview of Mustafa Kemal’s life; certain associations and their activities; arrival of Mustafa Kemal to Samsun; the congresses, gathering of the last Ottoman Assembly and the proclamation of the “national oath”; opening of the Turkish Grand National Assembly; War of independence to the Victory of Sakarya; Victory of Sakarya; financial sources of the war of independence; grand counter-attack; Armistice of Mudanya; abolution of the Sultanate; Peace Conference of Lausanne. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To help the students to appreciate the hard conditions under which the war of independence, under the leadership of Mustafa Kemal, was fought and how an independent Turkish state was created. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To underline the idea that the national unity based on the principle “peace in the country peace in the world” can only be achieved through political, economic and military progress. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | At the end of this course; Students  1.Explains Principles of Atatürk and main concepts related to Revolution history.  1.1.Explians the concepts of Reform/Revolution.  1.2.Describes the concept of National Forces.  1.3.Explains the concepts of Republic/Democracy.  1.4.Recognizes the concept of Ideology.  2.Explains the main points of the period related to Turkish War of Independence and foundation of the Turkish State.  2.1.Explains the developments at Ottoman Empire before Turkish Revolution.  2.2.Describes the World War I and its results.  2.3.Explains Turkish War of Independence.  2.4.Recognizes Turkish Revolution.  2.5.Remembers the mian principles of Turkish foreign politics.  2.6.Explains Principles of Atatürk and their importance.  3.Explains the effects of the developments at Europe and World on Turkish Republic.  3.1.Explains the effects of European and World politics on Turkey and the results of them.  3.2.Describes the effects of Capitalism/Emperialism on Turkey.  3.3.Explains the relations / problems between Turkey and its neighbours.  3.4.Explains the importance of Turkey at Europe and World. | | | | | | | | |
| **TEXTBOOK** | | | | | Gazi Mustafa Kemal Atatürk, Nutuk (Söylev), C. I-II, TTK., Ank., 1986.İmparatorluktan Ulus Devlete Türk İnkılâp Tarihi, Cemil Öztürk (ed.), Ank., 2011. | | | | | | | | |
| **OTHER REFERENCES** | | | | | Niyazi Berkes, Türkiye’de Çağdaşlaşma, İstanbul, 1978.  Enver Ziya Karal, Atatürk ve Devrim (Konferanslar ve Makaleler), TTK., Ank., 1980.  Enver Ziya Karal, Atatürk’ten Düşünceler, MEB. Yay., Ankara, 1981.  Bernard Lewis, Modern Türkiye’nin Doğuşu, Çev.M.Kıratlı, TTK., Ank., 1970. Ahmet Mumcu, Tarih Açısından Türk Devriminin Temelleri ve Gelişimi, Ank., 1976. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Mudanya Armistice Agreement. |
| 2 | Abolution of sultanate. Lausanne Treaty. |
| 3 | Declaration of Republic |
| 4 | Abolution of caliphate and lodges |
| 5 | Constitutional developments in Turkey. Internal and external political developments in the period of Atatürk's and Inönü's. |
| 6 | Mid-Term Examination 1 |
| 7 | The political currents that effected Turkish revolution. Democratic law state. |
| 8 | The political currents that effected Turkish revolution. Democratic law state |
| 9 | Establishment of the Turkish law and educational system |
| 10 | Revolution movements in education, culture and health, |
| 11 | Mid-Term Examination 2 |
| 12 | Nationalism, Etatism and Populism. |
| 13 | Securalism, Revoluationism |
| 14 | General ecalutation. |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **X** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **X** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  |  | **X** |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  |  | **X** |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  | **X** |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Lecturer Engin Kırlı

**Signature**: **Date:**

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152014556 | **COURSE NAME** | Computer Aided Design 262 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 4 | 1 | | 2 | 0 | | 2 | | 3 | COMPULSORY (✔ ) ELECTIVE () | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | |  | | | |  | X | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | | 1 | | | 30 |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | | Computer Aided Design 261 | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | On this course, getting solid architectural models and renders will be taught using 3d modelling programs. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Key knowledge to design models in a 3d software.  Key knowledge about to build basic forms.  Modelling small objects and their details.  Modelling buildings.  Covering the model with texture, color etc.  Taking renders with light, perspective etc. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Students would get skill to modelling architectural projects and taking renders. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Modelling principles to make better represantations of projects. | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | | * Murdock, K. L. 3ds max 9 Bible. Wiley: Indiana, 2008 * Omura, G. Mastering AutoCAD 2010 and AutoCAD LT 2010. Sybex, 2009. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, Datashow | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Presentation of the course and issues. |
| 2 | Explaining of basic knowledge of 3d modelling by aa software |
| 3 | Introducing of 3d modelling software. Exercise of using the interface tools of software. |
| 4 | Application about fast using of interface tools. |
| 5 | Exercise about modelling basic shapes. |
| 6 | Application of basic shape modelling. |
| 7 | Midterm I |
| 8 | Introduction to architectural modelling. Work on detailed solid forms. |
| 9 | Adding texture to shapes. |
| 10 | Application about texturing and colors. |
| 11 | Working about rendering solid forms. |
| 12 | Midterm II |
| 13 | Exercise about render settings (light, color, perspective) |
| 14 | Render application. |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **✔** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **✔** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **✔** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **✔** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **✔** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **✔** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **✔** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **✔** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **✔** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assistant Professor N. Aslı KAYA ÜÇOK

**Signature**:  **Date:** 23.09.2022

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| **SEMESTER** | Spring |

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| **COURSE CODE** | **152014555** | **COURSE NAME** | **Building Science and Technology 252** |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 4 | 2 | | 2 | 0 | | 3 | | 6 | COMPULSORY ✔ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | | X | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 20 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Studioworks and weekly drawing assignments) | | | | | 1 | | | 30 |
| **FINAL EXAM** | | | | | Final Project Submission | | | | | 1 | | | 50 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | This course is structured to teach the skills on architectural detailing in terms of finishing & cladding phase in building design. Consequent to briefly introducing concepts such as heat, air, moisture, and water insulations, the processes of finishing in building design is taught to students. In this course, the aim is to deliver knowledge of construction details that help students to establish logical links between their theoretical background and applied construction works, thus to supply with the skill to design for application and to formulate a coherent approach to design and complete a building project. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course covers contents which aim the students to acquire necessary skills on building detailing, and technical drawings of different detail levels. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Students will be capable of solving structural problems, thinking analytical in terms of building constructions and presenting their ideas with complete accuracy of construction drwaings. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | In the end of this course, the students will acquire the capacity to draw an as built project and to fully solve and present construction decisions based on application of a building project. | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | | * Ching, Francis D. K. (1995). *A Visual Dictionary of Architecture.* New York: Van Nostrand Reinhold * Ching, Francis D. K. and Adams, Cassandra. (2001). *Çizimlerle Bina Yapım Rehberi,* Yem Yayın * Ching, Francis D. K. and Adams, Cassandra. (2001). *Building Construction Illustrated.* New York: John Wiley & Sons. * Türkçü, Ç. *Yapım: İlkeler, Malzemeler, Yöntemler, Çözümler* * Türkçü, Ç. *Çağdaş Yapım Sistemleri* * Ramsey, Sleeper, ***Architectural Graphic Standards – Student Edition***. J. Wiley & Sons * Salvadori, ***Why Buildings Stand Up***. Norton, W. W. & Company, Inc. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Data show, Computer | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Giriş. Ders işleyişi ile ilgili genel bilgiler |
| 2 | Heat, air, moisture and sound insulation in buildings |
| 3 | Heat, air, moisture and sound insulation in buildings |
| 4 | Lightweight exterior claddings: Curtain Walls and Exterior Claddings |
| 5 | Lightweight interior walls |
| 6 | Mid-term Exam |
| 7 | Wall Claddings |
| 8 | Floor Finishings |
| 9 | Ceiling Finishes, Suspended Ceilings |
| 10 | Finishings in Wet Spaces |
| 11 | Building Project |
| 12 | Building Project |
| 13 | Building Project |
| 14 | Building Project |
| 15,16 | Building Project Submission |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | ✔ |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | ✔ |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | ✔ |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | ✔ |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | ✔ |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | ✔ |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | ✔ |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | ✔ |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | ✔ |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assoc. Prof. Dr. Başak GÜÇYETER

**Signature**: **Date:** 27.12.2022

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152014557 | **COURSE NAME** | Design for All: User in Architectural Design 242 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 4 | 3 | | 0 |  | | 3 | | 4 | COMPULSORY ( ) ELECTIVE (x ) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | x | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | | 1 | | | 30 |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Importance of the issue of user in architectural design. Design for all and Universal design approaches and their principles. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Provide an information base and develop awareness to design suitable for the needs of diverse users. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Provide theoretical background for teaching user/human based design | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Gain awareness about different user groups and their needs in design;  Acquire information about Design For All and Universal Design approaches, their principles, related design standards;  Analyze architectural problems in built environment;  Search users and their needs in the built environment | | | | | | | | |
| **TEXTBOOK** | | | | | Preiser, W., 2001, *Universal Design Handbook*, McGraw Hill, Boston,Kaplan, H., Yüksel, Ü., Gültekin, B., Güngör, C., Karasu, N., Çavuş, 2010, M., *Yerel Yönetimler İçin Ulaşılabilirlik Temel Bilgiler Teknik El Kitabı*, T.C. Başbakanlık Özürlüler İdaresi Başkanlığı Yayınları, Ankara, | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | The issue of user in design |
| 2 | Diverse user groups and their needs in design |
| 3 | Design for All and Universal Design approaches |
| 4 | Design for All and Universal Design approaches |
| 5 | Legal base – national/international legislation about disability |
| 6 | The principles of Universal Design- Cases |
| 7 | The principles of Universal Design- Cases |
| 8 | The principles of Universal Design- Cases |
| 9 | User research |
| 10 | User research- Design |
| 11 | User research- Design |
| 12 | User study/interaction: defining problems, needs of users- proposal-discussion |
| 13 | User study/interaction: defining problems, needs of users- proposal-discussion |
| 14 | User study/interaction: defining problems, needs of users- proposal-discussion |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **x** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Assoc. Prof. Dr. Meltem Özten Anay

**Signature**: **Date:** 12.12. 2022

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152014558 | **COURSE NAME** | Experience Design |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 4 | 2 | | 2 | - | | 3 | | 6 | COMPULSORY ( ) ELECTIVE ( X ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | x | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | | 1 | | | 30 |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The course gives the students an introductory level of knowledge in relation to means and place of experience in architectural design, and solidifies them by design activities at different scales. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | At the end of the course, the students are expected to develop sensitivity and skills for intellectual and designerly interaction to the issue of experience that will enable them to manage various layers of design problems. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Provide theoretical and designerly background for develop design knowledge | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Gain awareness about experience design and its role in architecture  Analyze experience in the built environment | | | | | | | | |
| **TEXTBOOK** | | | | | Appleton, J. The Experience of Landscape, London, (1975)  Aristotle, Poetics, (335 BC)  Banham, Reyner, “Non-plan: an Experiment in Freedom” in New Society, n.26 (1969) pp:435-443.  Bruner, “The Narrative Construction of Reality,” Critical Inquiry, vol.18, no.1, 1991.  Heidegger, Martin, Poetry, Language, Thought, ed. A. Hofstadter. New York, (1971)  Heidegger, Martin, Being and Time, (1927)  Husserl, E., The Crisis of European Sciences and Transcendental Phenomenology, Evanston, 1970.  Langer, S., Feeling and Form: A Theory of Art, New York. (1953)  Tuan, Yi-Fu, Space and Place: The Perspective of Experience (Excerpt (1977)  Pallasmaa, Juhani, The Eyes of the Skin: Architecture And the Senses,John Wiley and Sons, (2012)  Norberg-Schulz, C. Existence, Space and Architecture. London and New York. (1971)  Norberg-Schulz, C. Meaning in Western Architecture. London and New York. (1975)  Norberg-Schulz, Christian, “The Phenomenon of Place,” Architectural Association Quarterly, (1976)  Preliminary Problems in Constructing a Situation Situationist International (1958)  Moustakas, Clark E., Phenomenological Research Methods (Excerpt) (1994)  Tanizaki, Jun’ichiro, In Praise of Shadows, Jonathan Cape, London, (1991) | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | projection | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Readings, analyses and presentations |
| 2 | Readings, analyses and presentations |
| 3 | Readings, analyses and presentations |
| 4 | Readings, analyses and presentations |
| 5 | Readings, analyses and presentations |
| 6 | Readings, analyses and presentations |
| 7 | Introduction to the project |
| 8 | Development of the project table critique and presentations |
| 9 | Development of the project table critique and presentations |
| 10 | Development of the project table critique and presentations |
| 11 | Development of the project table critique and presentations |
| 12 | Development of the project table critique and presentations |
| 13 | Development of the project table critique and presentations |
| 14 | Development of the project table critique and presentations |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Prof. Dr. Hakan ANAY

**Signature**:  **Date:**

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152014563 | **COURSE NAME** | History of Contemporary Architecture |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 4 | 3 | | 0 | 0 | | 3 | | 3 | ELECTIVE | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 50 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 50 |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Industrial revolution in 19th c. and urban and architectural problems and approaches after, The effects of industrialization on architecture, architectural movements and examples. The effects of industrialization on architecture, architectural movements and examples. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Industrial revolution in 19th c. and urban and architectural problems and approaches after, The effects of industrialization on architecture, architectural movements and examples, International style, CIAM Congresses, Modernism in Europe and abroad, Criticisms on Modernism, Post-Modernism and after, Contemporary approaches in Architecture, Post-Structuralism, Deconstuctivism, Sustainability in architecture, Ecologic design, Contemporary architectural approaches in Netherlands and Spain, The urban design approaches from 18th century to present. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | World Architecture: Understanding world architecture in terms of their historical, geographical and global factors. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | To gain theoritical level of knowledge about the architectural examples of emerging trends in the field of architecture as a result of the effects of industrialization in the beginning of 20.th century. | | | | | | | | |
| **TEXTBOOK** | | | | | Bachelard, G., 1996, Mekanın Poetikası, Kesit Yayıncılık, İstanbul Conrads, U., 1991, 20. yüzyıl Mimarisinde Program ve Manifestolar, Maya, İstanbul Frampton, K., 1997, Modern Architecture: a critical history, Thames and Hudson, London Gössel, P. ;Leuthauser, G.,1991, Architecture in the 20th Century, Taschen Kruft, H.-W., 1994, A history of Architectural Theory From Vitruvius to the Present, Princeton Architectural Press, New York Sennott, R. S., (ed.), 2004, Encyclopedia of 20th Century Architecture, Fitzroy Dearborn, London | | | | | | | | |
| **OTHER REFERENCES** | | | | | Betsky, A., 2002, Landscapers: building with the Land, Thames and Hudson, London Cerver, F. A., 2000, The World of Contemporary Architecture, Könemann, Cologne Colquhoun, A., 1990, Mimari Eleştiri Yazıları, Şevki Vanlı Mimarlık Vakfı , Ankara  Jodido, P., 1999, Building A New Millennium, Taschen, Cologne Lootsma, B., 2002, Superdutch: New Architecture in Netherlands, Thames and Hudson, London Meyhöfer, D., 1994, Contemporary European Architects, v. I-II, Taschen, Köln Ragon, M., 2010, Modern Mimarlık ve Şehircilik Tarihi, Kabalcı Yayınları, İstanbul     Tietz, J., 1999,The Story of Architecture of the 20th Century , Könemann, Cologne | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | - | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Industrial revolution in 19th c. and urban and architectural problems and approaches after, The effects of industrialization on architecture, architectural movements and examples |
| 3 | Industrial revolution in 19th c. and urban and architectural problems and approaches after, The effects of industrialization on architecture, architectural movements and examples |
| 4 | Industrial revolution in 19th c. and urban and architectural problems and approaches after, The effects of industrialization on architecture, architectural movements and examples |
| 5 | Industrial revolution in 19th c. and urban and architectural problems and approaches after, The effects of industrialization on architecture, architectural movements and examples |
| 6 | The effects of industrialization on architecture, architectural movements and examples |
| 7 | The effects of industrialization on architecture, architectural movements and examples |
| 8 | Mid-Term Examination |
| 9 | The effects of industrialization on architecture, architectural movements and examples |
| 10 | The effects of industrialization on architecture, architectural movements and examples |
| 11 | Modernism in Europe and abroad, Criticisms on Modernism, Post-Modernism and after |
| 12 | Modernism in Europe and abroad, Criticisms on Modernism, Post-Modernism and after |
| 13 | Modernism in Europe and abroad, Criticisms on Modernism, Post-Modernism and after. |
| 14 | Modernism in Europe and abroad, Criticisms on Modernism, Post-Modernism and after. |
| 15,16 | Final |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **X** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **X** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assist. Prof. Dr.Terane BURNAK

**Signature**:  **Date:**

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152014559 | **COURSE NAME** | Critics on Contemporary Space 272 |

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| **SEMESTER** | | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 4 | | 3 | | 0 | 0 | | 3 | | 3 | ELECTIVE | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | | |
| **Architectural Design** | | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | | |
| **MID-TERM** | | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | | 1 | | | 20 |
| Homework | | | | | 1 | | | 40 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | | |  | | | | |  | | | 40 |
| **PREREQUIEITE(S)** | | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | | A theorethical course investigating the contemporary relationships between architecture and contemporary art. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | | \* Seaching fort connections between spatial experiments in contemporary art and architecture.  \* To assess the problems of architecture and contemporary art.  \* Making assessments about the political content of architectural and contemporary art practices in biennials and in similar activities. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | | \* The ability to gain a contemporary and critical vision on architectural discourses, ideologies and structures.  \* Gaining a clear vision about the structures within architectural culture and awareness and sensitivity about architectural heritage. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | | \* To be knowledgeable about the histories and the production of biennials.  \* Being familiar with the productions of architects within biennials.  \* Observing and interpreting the common issues of contemporary architecture and contemporary practices of art.  \* Criticising architectural products. | | | | | | | | |
| **TEXTBOOK** | | | | | | \* Eco, U., (2001), Açık Yapıt, Can Publications, İstanbul.\* İstanbul Art Biennial catalogues (2003, 2005, 2007, 2009, 2011), İKSV, İstanbul.\* Beral Madra, İki Yılda Bir Sanat, Norgunk Pub., 2003, İstanbul.\* Hasan Bülent Kahraman, Sanatsal Gerçeklikler, Olgular ve Öteleri, Yapı Kredi Pub., 1995, İstanbul.\* Kuspit, D., (2010), Sanatın Sonu, Metis Publications, İstanbul. \* Brown, B., Debord, G., Matthews, J. D., Knabb, K., (2008), Sitüasyonist Enternasyonel, Altıkırkbeş Pub., İstanbul. | | | | | | | | |
| **OTHER REFERENCES** | | | | | | \* Sanat Dünyamız journal collection, 1996-2011, all issues, Yapı Kredi Pub., Ed. By Mine Haydaroğlu, İstanbul. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | | Data projection and laptop. | | | | | | | | |
| **COURSE SYLLABUS** | | | | | | | | | | | | | | | |
| **WEEK** | **TOPICS** | | | | | | | | | | | | | | |
| 1 | Intro: End of art? | | | | | | | | | | | | | | |
| 2 | Suprematism: Malevich | | | | | | | | | | | | | | |
| 3 | End of the canvas? | | | | | | | | | | | | | | |
| 4 | The death of the Museum | | | | | | | | | | | | | | |
| 5 | The open work of art | | | | | | | | | | | | | | |
| 6 | Kitsch | | | | | | | | | | | | | | |
| 7 | The art work going to extremes | | | | | | | | | | | | | | |
| 8 | Mid-term evaluation. | | | | | | | | | | | | | | |
| 9 | Anarchism in art | | | | | | | | | | | | | | |
| 10 | The Situationist International | | | | | | | | | | | | | | |
| 11 | Vandalism: Alexander Brener | | | | | | | | | | | | | | |
| 12 | Carnal-Art: Orlan | | | | | | | | | | | | | | |
| 13 | *Ready-made* and the City | | | | | | | | | | | | | | |
| 14 | Final Homework. | | | | | | | | | | | | | | |
| 15,16 |  | | | | | | | | | | | | | | |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **X** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **X** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  | **X** |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Prof. Dr. Levent Şentürk

**Signature**: **Date:**

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152014560 | **COURSE NAME** | Cinema and Space |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 4 | 3 | | 0 | 0 | | 3 | | 3 | ELECTIVE | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | | 1 | | | 20 |
| Homework | | | | | 1 | | | 40 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | |  | | | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Examinig the emerging perception of space in terms of cinematic concepts within a modernist perspective. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Embodying new relationships with architecture towards a different kind of cinematic discipline.  Gaining broader visual knowledge in modern architecture.  Being conscious about forms of seeing and perceptions in the processes of production of space. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Developing a systematical and critical vision on spatial perception. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Having sufficient conceptual background about the relationship of cinema and architecture.  Gaining a satisfactory knowledgeabout the literature of cinema and architecture.  Observing and interpreting the spatial relationship between cinema and architecture.  Making basic conceptual critical statements in terms of cinema and spaces. | | | | | | | | |
| **TEXTBOOK** | | | | | Krause, L., Petro, P., (2003), Global Cities: Architecture and Urbanism in a Digital Age, Rutgers University Press. Schleier, M., (2009), Skyscraper Cinema: Architecture and Gender in American Film, University of Minnesota Press. | | | | | | | | |
| **OTHER REFERENCES** | | | | | Öztürk, M., (2002), Sinemasal Kentler, Om Publications. Crary, J., (2004), Gözlemcinin Teknikleri, Trans. E. Daldeniz, Metis P. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Data projection and laptop. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction: re-producing architecture with visual instruments and the relationship of cinema with architecture |
| 2 | The effects of technology on ways of seeing. |
| 3 | What does a cinema denying the temporal-spatial context say? |
| 4 | The portrait of the modern architect. |
| 5 | To portray or not to portray the modern metropolis... |
| 6 | The relationship between technology and architecture. |
| 7 | The cultural dimension of technical tools. |
| 8 | Mid-term evaluation. |
| 9 | The fear of alienising technology. |
| 10 | Going paraniod on security in the metropolis. |
| 11 | Architecture within ther worlds of the “Cyborg”s. |
| 12 | The metropolis of total surveillance. |
| 13 | Paranoias about the destruction of the metropolis. |
| 14 | The major gap within the city and the public. |
| 15,16 | Final homework. |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **X** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **X** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** | **X** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **X** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  | **X** |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Assist. Prof. Dr. T.Nihan Hacıömeroğlu

**Signature**: **Date:**

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152014562 | **COURSE NAME** | Architectural Models and Construction Techniques |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 4 | 2 | | 0 | 0 | | 2 | | 2 | COMPULSORY ( ) ELECTIVE (X) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| X | |  | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 20 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 50 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Concept, types, scale, materials, secdondary equipments and techniques of architectural model will be examined.  Teorical knowledge with practice examples (in case of necessary circumstances) will be given. At mid-term, teorical knowledge will be tested with a teorical scenario. Final exam will be a practice work.  Attendance, mid-term and homework are mandatory. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | It is aimed to be given information about architectural model logic and types; criterias in scale and material decisions; techniques for achieving successfully to desired result. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Ability to make correct decisions about model types and selection of appropriate scale, technique and material that nedeed in architectural design processes. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Model/modelling knowledge with all materials and techniques;  Ability of correct and appropriate decisions about scale, material and technique;  Successful outcomes with right decisions. | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, sound and projection systems for presentations, picturs/photographs, videos etc. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Logic of modelling, definitions, types |
| 3 | Architectural models, scale |
| 4 | Materials |
| 5 | Secondary materials and equipments |
| 6 | Cutting and bonding techniques |
| 7 | Homework admission |
| 8 | Scaled reproduction techniques, moulding |
| 9 | Terrain models |
| 10 | Mid-term |
| 11 | To desing and fictionalise the model |
| 12 | To desing and fictionalise the model |
| 13 | Finishing techniques, use of airbrush, colors and materials |
| 14 | Moving systems, use of electrik, water etc |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **X** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **X** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Associate Professor Hasan Ünver

**Signature**:  **Date:**

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152014561 | **COURSE NAME** | Urban Morphology |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 4 | 3 | | 0 | 0 | | 3 | | 3 | ELECTIVE | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| X | |  | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 2 | | | 40 |
| Project | | | | | 1 | | | 20 |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | | Final Homework | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Introduction to Urban Morphology Schools; addressing the concepts of urban pattern and character. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Understanding the factors affecting urban morphology; learning how to make urban morphological analyses; addressing the link between urban design, urban conservation, urban memory and urban morphology are the main aims of the course. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | It is important for architecture students to learn urban morphology so that they understand how they intervene in the urban form, they conserve cultural heritage and they contribute to development compatible with climate change adaptation. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | To be able make morphological analyses; to guide design. | | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | | |
| **OTHER REFERENCES** | | | | | Website of ISUF | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, sound systems and necessary software for presentations. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Information on the course |
| 2 | What is urban morphology? |
| 3 | Traditional urban pattern |
| 4 | Modernist urban pattern |
| 5 | Italian/Muratorian School |
| 6 | English/Conzenian School |
| 7 | ISUF- International Seminar on Urban Form |
| 8 | Urban tissue and character |
| 9 | Coding |
| 10 | Morphology and urban design |
| 11 | Morphology and conservation |
| 12 | Morphology and climate change adaptation |
| 13 | Student project presentations I |
| 14 | Student project presentations II |
| 15,16 | Critiques on final homework |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **X** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **X** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assist. Prof. Dr. Açalya Alpan

**Signature**:  **Date:**

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152014564 | **COURSE NAME** | Indesign |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| **4** |  | | - | - | |  | |  | ELECTIVE ( ) | | | | Turkish, English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | |  | | | |  | + | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | | 25 |
| 2nd Mid-Term | | | | |  | | | 25 |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | |  | | | 50 |
| **PREREQUIEITE(S)** | | | | | NONE. | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Indesign Publication Design Course is a computer-aided graphic design course for undergraduate architecture and design students. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of the course is to teach the fundamentals of Adobe Indesign program.  The course aims to prepare design students for making preparations of their publications and all sorts of printed material. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To provide fundamental knowledge, technical capabilities and creative productiveness about architectural presentations, portfolios, architectural plates, as well as minor magazines, art books, architectural books, etc. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | To be acknowledged on fonts, layout design, graphic design concepts and issues.  To understand how to combine architectural and graphic knowledge.  To execute and exercise models, designs and published materials.  To focus on publishing theories and products.  To create new publication designs and to come to new sythesis. | | | | | | | | |
| **TEXTBOOK** | | | | | Ellen Lupton. 2004. Thinking With Type. New York: Princeton Architectural Press.Ambrose, Harris. 2005. Basic Design 2. Layout. US, Canada: AVA Books.Christin Cullen. 2012. Design Elements Typography Fundamentals. Beverly: Rockport Pub.Richard Polin. 2012. Graphic Design + Architecture. A 20th Century History. Beverly: Rockport Pub.Rob Carter. 1997. Experimental Typography. Switzerland: Roto Vision. | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Data projection, computers. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | History of Typography and Its Modern Resources |
| 2 | Architecture and Graphic Design Realtionship |
| 3 | Indesign Studies 1: Creating a Document, Giving Size |
| 4 | Indesign Studies 2: Creating text and page layouts |
| 5 | Indesign Studies 3: Image export and creation |
| 6 | Exam 1 |
| 7 | Indesign Studies 4: Bringing together: Text and Image |
| 8 | Indesign Studies 5: Plate design and practice |
| 9 | Indesign Studies 6: Portfolio design and execution |
| 10 | Indesign Studies 7: Album creation |
| 11 | Exam 2 |
| 12 | Indesign Studies 8: Magazine Design |
| 13 | Indesign Studies 9: Book design |
| 14 | Critics before Final Exam |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **+** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **+** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **+** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **+** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **+** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **+** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **+** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **+** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **+** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assoc. Prof. Dr. Levent Şentürk

**Signature**:  **Date:** 28.12.2016

**THIRD YEAR**

**FALL**

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| **THIRD YEAR FALL** | | **TEO** | **UYG** | **KRD** | **ECTS** |
| 152015352 | Structures in Architecture 331 | 3 | 0 | 2 | 2 |
| 152015337 | Architectural Design 301 | 4 | 8 | 8 | 12 |
| 152015338 | Theories of Architecture 321 | 3 | 0 | 3 | 4 |
| 152015353 | Building Physics 351 | 2 | 2 | 3 | 4 |
| 152015347 | Technical English I | 2 | 0 | 0 | 2 |
| 152015354 | Dımensions of Urban Design | 3 | 0 | 3 | 4 |
| 152015355 | Construction Sıte/Archaeological Dig. Internship | 0 | 0 | 0 | 2 |
|  |  |  |  | **20** | **30** |

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152015338 | **COURSE NAME** | Theories of Architecture 321 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Lab** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 5 | 3 | | - | - | | 3 | | 4 | COMPULSORY(X)ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | | 1 | | | 30 |
| Quiz | | | | | - | | | - |
| Homework | | | | | 1 | | | 10 |
| Project | | | | | - | | | - |
| Report | | | | | - | | | - |
| Others (………) | | | | | - | | | - |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 30 |
| **PREREQUIEITE(S)** | | | | | INTRODUCTION TO ARCHITECTURE 121, INTRODUCTION TO ARCHITECTURE 122, HISTORY OF ART AND ARCHITECTURE 221, HISTORY OF ARCHITECTURE 222 | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | This course traces the emergence of contemporary issues in the field by exploring the architecture of the twentieth century. Buildings, projects, and texts are situated within the historical constellations of ideas, values, and technologies that inform them through a series of close readings. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course is designed to furnish the student with a basic knowledge of selected topics in the study of the theory and criticism of modernism and contemporary architecture, the philosophy and aesthetics of architecture, the mediatization of architecture and broader cultural and historical issues, critical readings of texts as well as case studies. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | It presents an opportunity to architectural students to be equipped with the basic knowledge and understanding of theories of architecture | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Get a basic introduction to the theories of architecture. By the end of the course the student is expected to have a basic sense of major architectural theories and be able to recognize them in texts and architectural objects. | | | | | | | | |
| **TEXTBOOK** | | | | | Anay, Hakan & Ozten, Ülkü, Biçim ve İşlev, (2011)  Banham, Reyner. Theory and Design in the First Machine Age. (1980)  Colquhoun, Alan. Modern Architecture (2002)  Curtis, William. Modern Architecture since 1900 3rd ed. (1996)  Doordan, Dennis. Twentieth Century Architecture (2001)  Frampton, Kenneth. Modern Architecture: a Critical History 4th. ed. (2007)  Giedion, Sigfried. Space, Time and Architecture. (1941, 5th ed 1982)  Tafuri, Manfredo & F. Dal Co. Modern Architecture, transl. R.E. Wolf (1976)  Behne, Adolf. Modern Functional Building (1926; transl. 1996)  Behrendt, W.C. Modern Building (1936)  Behrendt, W.C. Victory of the new Building Style (1927, transl. 2000)  Benevolo, Leonardo. History of Modern Architecture. 2 vols. (1985)  Cheney, S.W. New World Architecture (1930)  Collins, Peter. Changing Ideals in Modern Architecture 1750-1950. (1965, 1998)  Frampton, K. & Y. Futagawa. Modern Architecture 1851-1945 (1983)  Gropius, Walter. International Architecture in Images, ed. T. Benton (1925, transl. 1975)  Hitchcock, H-R. Architecture: Nineteenth and Twentieth Centuries (1958)  -----. Modern Arch.: Romanticism & Reinitegration (1929, 1993)  Jencks, Charles. Modern Movements in Architecture (1973)  Kultermann, Udo. Architecture in the 20th Century (1993)  Lampugnani, V.M. Thames & Hudson Encyclopedia of 20th C. Architecture (1963, 1988)  Pevsner, N. Pioneers of Modern Design from Wm. Morris to W. Gropius (1936, 2005)  Scully, Vincent. Modern Architecture. The Architecture of Democracy (1961)  Weston, Richard. Modernism (1996) | | | | | | | | |
| **OTHER REFERENCES** | | | | | Banham, Reyner. The Architecture of the Well-Tempered Environment (1984)  Benton, Timothy, ed. Architecture & Design: 1890-1939 (1975)  Borsi, Franco. The Monumental Era. European Arch. & Design 1929-1939. (1986)  Colomina, Beatriz. Privacy and Publicity. Modern Architecture and Mass Media  Colquhoun, Alan. Essays in Architectural Criticism (1981)  -----. Modernity and the Classical Tradition (1989)  Forty, A. Words & Buildings. Vocabulary of Modern Architecture (2000)  Jones, P. Blundell, Modern Architecture Through Case Studies (2002)  Wigley, Mark. White Walls, Designer Dresses. The Fashioning of Mod. Arch. (1995)  Wolfe, Tom. From Our House to the Bauhaus (1981)  Zevi, Bruno. Towards an Organic Architecture (1950) | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer or notebook, projection system and screen, blackboard. etc. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Intro. / Overview + hand out topic forms |
| 2 | Modern/Modernity/Modernization |
| 3 | Modernism Discussion |
| 4 | Arts & Crafts + discuss Term paper topics |
| 5 | Art Nouveau |
| 6 | Secessions + Term paper abstract + bibliography due |
| 7 | Loos: On Function and Ornament |
| 8 | Werkbund |
| 9 | French Rationalism + Term paper development |
| 10 | Cubism |
| 11 | Futurism |
| 12 | Expressionism + Term paper development |
| 13 | De Stijl |
| 14 | Bauhaus |
| 15,16 | + Term paper due |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Prof. Dr. Hakan Anay

**Signature**: **Date:** 14.12.2022

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152015337 | **COURSE NAME** | Architectural Design 301 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 5 | 4 | | 8 |  | | 8 | | 12 | COMPULSORY (X) ELECTIVE ( ) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| X | |  | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | | 1 | | | 45 |
| Report | | | | |  | | |  |
| Others (3rd Mid-Term) | | | | |  | | |  |
| **FINAL EXAM** | | | | | Project | | | | | 1 | | | 55 |
| **PREREQUIEITE(S)** | | | | | Architectural Design 201, Architectural Design 202 | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | A one term-long architectural design problem founded on occupant-based approaches aiming at diversity, site planning, environmental conscious design, public/private space, modularity, interrelations between buildings/building groups or built environment. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Development of housing projects in cycle with an overview of existing procedures, mechanism of housing, planning, design and production in Turkey.  Evaluation of qualitative and quantitative aspects of existing housing stocks or other multi-block functions.  Evaluation of historical or natural environments through site analysis studies. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | |  | | | | | | | | |
| **COURSE OUTCOMES** | | | | |  | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | | Contemporary architecture, design and art journalsData basesPrinted publications | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Traditional and digital drawing tools and gadget, computer, projector, necessary software | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction of the project topic discussions on the program and the project area |
| 2 | Studies on concept and program, area analysis 1/1000 |
| 3 | Studies on concept and program, area analysis 1/1000 – 1/500, site plan 1/500 |
| 4 | I. Mid Jury |
| 5 | Plans – sections 1/500 |
| 6 | Plans, sections and elevations 1/500 |
| 7 | Plans, sections and elevations 1/500 |
| 8 | II. Mid Jury |
| 9 | Plans, sections and elevations 1/500 |
| 10 | Plans, sections and elevations 1/500 |
| 11 | Plans, sections and elevations 1/500 |
| 12 | III. Mid Jury |
| 13 | Plans, sections and elevations 1/200 |
| 14 | Plans, sections and elevations 1/200 |
| 15,16 | Final term jury |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **x** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Associate Professor Hasan Ünver, Associate Professor Orkun Alptekin, Prof. Duygu Kaçar

**Signature**:  **Date:** 14.12.11

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152015347 | **COURSE NAME** | Technical English I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 5 | 2 | | - | - | | 0 | | 2 | COMPULSORY (X) ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 20 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 20 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | | 1 | | | 15 |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 45 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | For students to gain the ability to improve themselves and present, defend and realize their projects in education life and professional life they are in need of learning technical English and abilities to written and spoken communication techniques. In order to achieve that this lecture is suggested. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The main aim of the course is to teach how to translate technical books and papers written in English in the fields of engineering and science and to improve technical vocabulary and grammar of the students. In addition, it is aimed for students to gain the abilities to present, defend their projects in written, spoken and visual media. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To gain students a tool to be able to do research during design process, present, and realize their projects in different media at international arena. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Improve technical vocabulary  Improve the ability of technical translation from English to Turkish Improve effective communication skills  Gain a knowledge of contemporary issues  Gain ability to present and defend a project in English | | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | | |
| **OTHER REFERENCES** | | | | | English architecture, design and art journalsEnglish Data basesEnglish Printed publications | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Writing tools, dictionary, computer, projector, sound systems and necessary software for presentations. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introductions, brief grammar exercises |
| 2 | Brief grammar exercises, english technical vocabulary exercises |
| 3 | English technical vocabulary exercises |
| 4 | English technical vocabulary exercises, reading and understanding |
| 5 | English technical vocabulary exercises reading and understanding |
| 6 | I. Mid Term |
| 7 | Translation techniques |
| 8 | Translation techniques and exercises, listening and understanding |
| 9 | Translation techniques and exercises, listening and understanding |
| 10 | Spoken and written communication techniques |
| 11 | Writing exercises |
| 12 | Writing exercises |
| 13 | Presentation exercises |
| 14 | Presentation exercises |
| 15,16 | Final exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **x** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **x** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**

**Signature**: **Date:**

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152015352 | **COURSE NAME** | Structures in Architecture 331 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Lab** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 5 | 3 | | 0 | 0 | | 3 | | 3 | COMPULSORY (X) ELECTIVE () | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | |  | | | | X |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | | 1 | | | 40 |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 60 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | General information input. Force and moment of scalar and vector calculations. Truss systems. MNQ diagrams and Inertia bending moment, buckling and torques. Simple strength of materials and combined. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Structure analysis systems are required to create the structure. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Architectural project in making structure importance of system design principles and requirements, the system will be programd selection details. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Structure system analysis results. | | | | | | | | |
| **TEXTBOOK** | | | | | Mehmet H. Omurtag; Statik ve Mukavemet 2010 | | | | | | | | |
| **OTHER REFERENCES** | | | | | Mustafa İnan Cisimlerin MukavemetiMehmet H. Omurtag; StatikMehmet H. Omurtag; Mukavemet | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Force |
| 2 | Force |
| 3 | Moment |
| 4 | Moment |
| 5 | Equilibrium equation |
| 6 | Truss beam systems |
| 7 | MNS diagrams |
| 8 | MNS diagrams |
| 9 | İnertia moment and inertia radius |
| 10 | İnertia moment and inertia radius |
| 11 | Axial normal force |
| 12 | Bending moment |
| 13 | Torsion |
| 14 | Buckling |
| 15,  16 | Numerical examples. |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **x** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **x** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **x** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Assist.Prof.Dr. Hande GÖKDEMİR

**Signature**: **Date:**

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152015354 | **COURSE NAME** | Dimensions of Urban Design |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 5 | 3 | | 0 | 0 | | 3 | | 4 | COMPULSORY (X)  ELECTIVE ( ) | English |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| X | | X | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | | 1 | 30 |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | | 1 | 30 |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Presentations) | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | 1 | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | The evolution of design of urban space in history. Addressing the concepts of urban form, pattern and character. Analyzing the city according to the six dimensions of urban design: morphological, visual, perceptual, social, functional and temporal. | | | | | |
| **COURSE OBJECTIVES** | | | | | One of the specialization areas of architecture is urban design, a common study area of architecture, city planning and landscape architecture. The course aims to provide a background for those interested in urban design and to help the students to interpret the project context in a better way. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Students will better interpret the current context by understanding how cities and urban spaces were designed in history under distinct geographical, intellectual, social, economic and political situations. It is important for architecture students to understand how they intervene with the urban form and public life to sustain social sustainability in the city, to conserve cultural heritage and to contribute to development compatible with climate change adaptation. Morphological, visual, perceptual, social, functional and temporal analyses are important in order to appreciate aesthetic values of the city, to question the wayfinding, to understand the social, cultural values of the city and to make a design in accordance with the results of the analyses. | | | | | |
| **COURSE OUTCOMES** | | | | | To be able to understand how urban design differs under different circumstances in history; to be able to understand how design ideas inspired each other; to be able to make urban morphological, visual, perceptual, social, functional and temporal analyses; to gain the competence of interpreting the context. | | | | | |
| **TEXTBOOK** | | | | | Carmona, M.,Heath, T., Oc, T., Tiesdell, S.T.,  Public Places Urban Spaces: The Dimensions Of Urban Design, Architectural Press: London, 2003  Gehl, J., The Life between Buildings. New York: Van Nostrand Reinhold. The classic study of public space use and design drawn from observations of central Copenhagen, 1987 | | | | | |
| **OTHER REFERENCES** | | | | | Alexander, Christopher, A New Theory of Urban Design, Oxford University Press, New York, 1987.  Anderson, Stanford (editor), On Streets, MIT Press, Cambridge, Mass., 1991.  Appleyard, Donald, The View from the Road, MIT Press, Cambridge, Mass., 1964.  Bacon, Edmund N., Design of Cities, Viking Press, New York, 1967.  Barnett, Jonathan, An Introduction to Urban Design, Harper & Row, New York, 1982  Barnett, Jonathan, The Elusive City: Five Centuries of Design, Ambition, and Miscalculation, Harper & Row, New York, 1986.  Boyer, M. Christine, The City of Collective Memory: Its Historical Imagery and Architectural Entertainments, MIT Press, Cambridge, Mass., 1994.  Boyer, M. Christine, Dreaming the Rational City: The Myth of American City Planning, MIT Press, Cambridge, Mass., 1983.  Collins, George R. and Collins, Christine Crasemann, Camillo Sitte: The Birth of Modern City Planning, Rizzoli, New York, 1986.  Cullen, Gordon, Townscape, Reinhold, New York, 1961  Gosling, David and Maitland, Barry, Concepts of Urban Design, Academy Editions, St. Martin's Press, London and New York, 1984.  Jacobs, Alan, Great Streets, MIT Press, Cambridge, Mass., 1993.  Jacobs, Jane, The Death and Life of Great American Cities, Random House, New York, 1961  Katz, Peter, The New Urbanism: Toward an Architecture of Community, McGraw-Hill, New York, 1994.  Kelbaugh, Doug, editor, The Pedestrian Pocket Book: A new Suburban Design Strategy, Princeton Architectural Press, New York, 1989.  Kostoff, Spiro, The City Shaped: Urban Patterns and Meanings Through History, Thames and Hudson, London, 1991.  Krier, Rob, Urban Space, Rizzoli, New York, 1979.  Lynch, Kevin, The Image of the City, Technology Press & Harvard University Press, Cambridge, Mass., 1960.  Lynch, Kevin, A Theory of Good Urban Form, MIT Press, Cambridge, Mass., 1981.  Newman, Oscar, Defensible Space, MacMillan, New York, 1972  Rasmussen, Steen Eiler, Towns and Buildings, MIT Press, Cambridge, Mass., 1949.  Rossi, Aldo, The Architecture of the City, MIT Press, Cambridge, Mass., 1982.  Rowe, Colin and Koetter, Fred, Collage City, MIT Press, Cambridge, Mass., 1979?  Rowe, Peter, Making a Middle Landscape, MIT Press, Cambridge, Mass., 1991.  Sennett, Richard, The Conscience of the Eye: The Design and Social Life of Cities, W.W. Norton, New York, 1990.  Sennett, Richard, The Fall of Public Man, Knopf, New York, 1977  Sitte, Camillo, The Art of Building Cities: City Building According to its Artistic Fundamentals, translated by Charles T. Stewart, Reinhold Publishing Corporation, New York, 1945.  Sorkin, Michael, editor, Variations on a Theme Park, Noonday Press, New York, 1992.  Stein, Clarence S., Toward New Towns for America, University Press of Liverpool, Liverpool, 1951.  Unwin, Raymond, Town Planning in Practice: An Introduction to the Art of Designing Cities and Suburbs, Princeton Architectural Press, New York, 1994.  Whyte, William, The Social Life of Small Urban Spaces, The Conservation Foundation, Washington, D.C., 1980. (HT153.W49). | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, sound systems and necessary software for presentations. | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Course Info |
| 2 | •History of urban design: a chronology  • Perception in visual representation  • Representing the strategic relations in project location  • Whole-part relation  • Centrality  • Public space network  • Why we make analyses before architectural or urban design? |
| 3 | • Discussion: The nature of pedestrian  • Gehl Architects: Christchurch work  • Raci Bademli and his team’s Works of Ulus Hacıbayram Square, problems and opportunities analysis  Documentary watching: TRT Kentsel Tasarım  Reading:  http://www.spo.org.tr/resimler/ekler/8c41c4a18675a74\_ek.pdf  - Kentsel Tasarım ve Farklı Disiplinlerin Sorun Alanları, Sertaç ERTEN  - Mimar plancı mı? Plancı mimar mı? İkisi de olur, Ferhan TEBER  - “Kentsel Tasarım”a İlişkin Genel Gözlemler, Dr. Ahmet UZEL  - Kentsel Tasarım Ekspertizleri, Ali VARDAR  http://www.spo.org.tr/resimler/ekler/67d8ab4f4c10bf2\_ek.pdf  - Türkiye’de Kentsel Tasarım Proje Yarışmaları ve Disiplinlerarası Çalışmayı Öğrenme Süreci, Sertaç ERTEN, Devrim ÇİMEN, Sinan BURAT  Comment submission: a 500-word comment of the documentary and the readings. |
| 4 | Ancient Greek and Roman cities  Medieval cities |
| 5 | Urban design in Renaissance: Ideal cities and Renaissance squares  Pope Sixtus V and Rome  Urban design in Baroque era |
| 6 | • Haussmann and Paris’s restructuring  • Cerda and Barcelona’s design  • City Beautiful Movement |
| 7 | • 19th century utopians: Charles Fourier, Robert Owen  • Soria y Mata’s Linear City (Madrid)  • Ebenezer  Howard’s “Garden-City”, England  • Tony Garnier’s “Industrial City” |
| 8 | Mid-term |
| 9 | • Clarence Perry’s Neighbourhood Unit  • Henry Wright and Clarence Stein’s “Radburn” design |
| 10 | • Modernist Movement I: Bauhaus, Le Corbusier, Frank Lloyd Wright |
| 11 | • Modernist Movement II: Le Corbusier, José Luis Sert, CIAM  • Team X  • Modernist ütopias  • Traditional and modernist urban space |
| 12 | Criticism of Modernist movement: Jane Jacobs, Oscar Newman, Gordon Cullen (origin: Camillo Sitte) |
| 13 | • Kevin Lynch and city image  • “Pod development”  • “New Urbanism” |
| 14 | • Postmodern urban design  • “Do-it-yourself” movements  • Ecological urban design  • Resilient cities |
| 15,16 | Term evaluation  Final homework critics |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **X** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **X** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Assist.Prof.Dr. Açalya Alpan

**Signature**:            **Date:** 31.10.2021

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152015353 | **COURSE NAME** | Building Physics 351 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Lab** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 5 | 2 | | 2 | 0 | | 3 | | 4 | COMPULSORY αELECTIVE () | English |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
|  | |  | | | | | X | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | | 1 | 20 |
| 2nd Mid-Term | | | | 1 | 20 |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Studioworks and weekly drawing assignments) | | | | 1 | 30 |
| **FINAL EXAM** | | | | | Final Sınavı | | | | 1 | 30 |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | The focus of the course is to introduce sustainable urban design, fundamental knowledge on sustainable and energy-efficient building concepts, and occupant needs in indoor environment. Starting from the energy conscious site design including concepts of topography, solar geometry, orientation, wind effect; and on building level concepts such as building envelope, heat transfer, solar architecture, solar shading, environmental control systems, passive systems, day lighting and acoustics are taught. | | | | | |
| **COURSE OBJECTIVES** | | | | | This course aims to deliver the notion of environmental conscious design to students. An additional purpose is to raise students’ awareness and perception on the existence of interdisciplinary approaches in building design and construction. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Students will be able to integrate the advantages offered by the natural environment to their design and to resist the disadvantages via design in building the man made environments. | | | | | |
| **COURSE OUTCOMES** | | | | | At the end of the course, students are expected to realize that buildings are not only a question of design and structure, but also a question of different inputs such as response to climate, occupant behavior and energy performance. | | | | | |
| **TEXTBOOK** | | | | |  | | | | | |
| **OTHER REFERENCES** | | | | | * Yeang, K., 1995, Design With Nature, Mac Graw Hill, Inc. * Brown, G.Z.,2000, Sun, Wind & Light: Architectural Design Strategies, 2nd Edition, Wiley. * Baker, N. & Steemers, K.,2005, Energy and Environment in Architecture, E & FN Spon. * Lynch, K. & Hack, G., 1994, Site Planning, Third edition, Ninth Ed., MIT Press. * Fanger, P. O., 1970, Thermal Comfort: Analysis and Applications in Environmental Engineering, New York: McGraw-Hill.   Hendriks, L., & Hens, H., 2000, Building Envelopes in a Holistic Perspective, Leuven: Acco. | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Data show, Computer | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction: Energy Conservation and Efficiency |
| 2 | Energy Consumption and Energy Conscious Site Design Approaches |
| 3 | Microclimate / Macroclimate / Topography  / Solar Geometry |
| 4 | Energy Efficient Urban Design: Land Use / Density / Site Selection / Orientation in Site |
| 5 | Energy Efficient Urban Design: Street Structure / Wind / External Shaders / Landscaping |
| 6 | Mid-term Exam |
| 7 | Building and Energy Performance: Factors |
| 8 | Building Envelope and Heat Transfer |
| 9 | Heat Transfer – Thermal Comfort – Effect of Heat and Moisture |
| 10 | Passive Systems: General Principles, Direct Gain, Thermal Mass, Solar Architecture |
| 11 | Passive Systems: Natural Ventilation, Night Ventilation, Evaporative Cooling |
| 12 | Mid-term Exam |
| 13 | Day Lighting |
| 14 | Acoustics in Buildings |
| 15,16 | Final Sınavı |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | α |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | α |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | α |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | α |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | α |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | α |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | α |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | α |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | α |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**  Assoc. Prof. Dr. Başak GÜÇYETER

**Signature**:                                                                                                         **Date:** 28.10.2021

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| **SEMESTER** | FALL |

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| **COURSE CODE** | 152015355 | **COURSE NAME** | CONSTRUCTION SITE/ARCHAEOLOGICAL DIG INTERNSHIP |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| **5** | **0** | | 0 | 0 | | **0** | | **2** | COMPULSORY (**X** )  ELECTIVE ( ) | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
|  | |  | | | | | **X** | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (………) | | | |  |  |
| **FINAL EXAM** | | | | | REPORTING | | | | **1** | **100** |
| **PREREQUISITE(S)** | | | | | --- | | | | | |
| **COURSE DESCRIPTION** | | | | | It is an internship done as a construction site internship within the framework of the Internship Practice Principles of the Department of Architecture. Internship period is 30 working days. | | | | | |
| **COURSE OBJECTIVES** | | | | | To consolidate the theoretical and applied knowledge received in Undergraduate Education. To see the application of architectural and engineering knowledge in undergraduate education in working life. | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Prepare for the realities and conditions of business life. | | | | | |
| **COURSE OUTCOMES** | | | | | Students will be able to recognize their profession as a part of education. Students will be able to reinforce their theoretical and applied knowledge. Students will be able to see the application of acquired architectural and engineering knowledge in business life. | | | | | |
| **TEXTBOOK** | | | | | --- | | | | | |
| **OTHER REFERENCES** | | | | | **---** | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | --- | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Internship applications |
| 2 | Internship applications |
| 3 | Internship applications |
| 4 | Internship applications |
| 5 | Internship applications |
| 6 | Internship applications |
| 7 | Internship applications |
| 8 | Internship applications |
| 9 | Internship applications |
| 10 | Internship applications |
| 11 | Internship applications |
| 12 | Internship applications |
| 13 | Internship applications |
| 14 | Internship applications |
| 15 | Internship applications |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **X** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Dr. Öğr. Üyesi Terane MEHEMMOVA BURNAK

**Signature**:   **Date:** 01.11.2021

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**THIRD YEAR**

**SPRING**

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| **THIRD YEAR SPRING** | | **TEO** | **UYG** | **KRD** | **ECTS** |
| 152016362 | Structures in Architecture 332 | 3 | 0 | 2 | 2 |
| 152016363 | Architectural Design 302 | 4 | 8 | 8 | 12 |
| 152016348 | Theories of Architecture 322 | 3 | 0 | 3 | 4 |
| 152016364 | Building Physics 352 | 2 | 2 | 3 | 4 |
| 152016350 | Technical English II | 2 | 0 | 0 | 2 |
| 152016365 | Methodological Conservation Approaches | 3 | 0 | 3 | 3 |
| 152016366 | Istanbul in The Modernisation Period | 3 | 0 | 3 | 3 |
| 152016367 | Sustainable Architecture 381 | 3 | 0 | 3 | 3 |
| 152016368 | Design and Philosophy | 3 | 0 | 3 | 3 |
| 152016369 | Urban Design Issues | 3 | 0 | 3 | 3 |
| 152016370 | Design Thinking | 3 | 0 | 3 | 3 |
| 152016371 | Courtyard Design, Materials, Plant | 3 | 0 | 3 | 3 |
| 152016372 | Illustration, competitions presentation and techniques in Architecture | 3 | 0 | 3 | 3 |
| 152016373 | Contemporary Art and Urban Relations | 3 | 0 | 3 | 3 |
|  |  |  |  | **20** | **30** |

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152016347 | **COURSE NAME** | Architectural Design 302 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 6 | 4 | | 8 |  | | 8 | | 12 | COMPULSORY (X)  ELECTIVE (  ) | English |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| X | |  | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | | 1 | 45 |
| Report | | | |  |  |
| Others (3rd Mid-Term) | | | |  |  |
| **FINAL EXAM** | | | | | Project | | | | 1 | 55 |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | The scale of the project between 3000 and 5000 meter squares will be given to the students in order to analyze and resolve specialized programmatic elements with public functions in a complex urban setting with urban problems. | | | | | |
| **COURSE OBJECTIVES** | | | | | The course aims to provide students the skill of analyzing and resolving an architectural design with a public function in a complex urban setting. | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | |  | | | | | |
| **COURSE OUTCOMES** | | | | | Developing the skills of analyzing and resolving an architectural design with a public function in a complex urban setting with specialized programmatic elements such as conference halls, offices, libraries, atria, parking etc. | | | | | |
| **TEXTBOOK** | | | | |  | | | | | |
| **OTHER REFERENCES** | | | | | Contemporary architecture, design and art journals  Data bases  Printed publications | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Traditional and digital drawing tools and gadget, computer, projector, necessary software | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction of the project topic discussions on the program and the project area |
| 2 | Studies on concept and program, area analysis 1/1000 |
| 3 | Studies on concept and program, area analysis 1/1000 – 1/500, site plan 1/500 |
| 4 | I. Mid Jury |
| 5 | Plans – sections 1/500 |
| 6 | Plans, sections and elevations 1/500 |
| 7 | Plans, sections and elevations 1/500 |
| 8 | II. Mid Jury |
| 9 | Plans, sections and elevations 1/200 |
| 10 | Plans, sections and elevations 1/200 |
| 11 | Plans, sections and elevations 1/200 and silhouette |
| 12 | III. Mid Jury |
| 13 | Plans, sections and elevations 1/200, details and silhouette, perspective |
| 14 | Plans, sections and elevations 1/200, details and silhouette perspective |
| 15,16 | Final term jury |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **x** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**  Associate Professor. Orkun Alptekin, Assoc. Dr. Hasan Ünver, Prof. Duygu Kaçar

**Signature**:             **Date:** 28.10.2021

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152016362 | **COURSE NAME** | Structures in Architecture 332 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 6 | 3 | | 0 | 0 | | 2 | | 2 | COMPULSORY (X)  ELECTIVE () | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
|  | |  | | | | |  | | X |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | | 1 | 40 |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (………) | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | 1 | 60 |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | Introduce the Structural Analysis and design of RC structures. General information about forces, loads, equilibrium conditions, supports and reactions, internal member diagrams. Axial – Shear – Moment diagrams. RC material properties. General behavior of RC members and design. | | | | | |
| **COURSE OBJECTIVES** | | | | | Understanding of isostatic structural systems and general information about RC structures. | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Understanding of structural static systems and consideration of requirements of RC structures in terms of architecture. | | | | | |
| **COURSE OUTCOMES** | | | | | Understanding of theory of structural analysis and application on basic RC structures | | | | | |
| **TEXTBOOK** | | | | |  | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Main principles of structural analysis, General information about the forces, loads |
| 2 | Equilibrium conditions, Stability control, Supports and reactions |
| 3 | Internal member diagrams |
| 4 | Axial / Shear / Moment diagrams for beams / frames |
| 5 | Axial / Shear / Moment diagrams for beams / frames |
| 6 | Cement, water, aggregates, concrete mixture, admixtures. |
| 7 | Mechanical properties of concrete and reinforcing steel. |
| 8 | Behavior of concrete. Assumptions for limit state design. Minimum design criteria Turkish Code |
| 9 | Behavior of the RC members in pure bending |
| 10 | Ultimate bearing capacity, design |
| 11 | Exam |
| 12 | Shear strength and reinforcement |
| 13 | Shear strength and reinforcement |
| 14 | Axially loaded columns, design of columns. |
| 15,16 | Final |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **x** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **x** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **x** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Asst. Prof. Dr. Hande GÖKDEMİR

**Signature**:                                                                                                         **Date:** 28.10.2021

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152016348 | **COURSE NAME** | Theories of Architecture 322 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 6 | 3 | | - | - | | 3 | | 4 | COMPULSORY (X) ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | | 1 | | | 30 |
| Quiz | | | | | - | | | - |
| Homework | | | | | 1 | | | 10 |
| Project | | | | | - | | | - |
| Report | | | | | - | | | - |
| Others (………) | | | | | - | | | - |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 30 |
| **PREREQUIEITE(S)** | | | | | THEORIES OF ARCHITECTURE 321 | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | HTC 322 is structured in continuation of the HTC 321. This course traces the emergence of contemporary issues in the field by exploring the architecture of the twentieth century. Buildings, projects, and texts are situated within the historical constellations of ideas, values, and technologies that inform them through a series of close readings. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course is designed to furnish the student with a basic knowledge of selected topics in the study of the theory and criticism of modernism and contemporary architecture, the philosophy and aesthetics of architecture, the mediatization of architecture and broader cultural and historical issues, critical readings of texts as well as case studies. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | It presents an opportunity to architectural students to be equipped with the basic knowledge and understanding of theories of architecture | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Get a basic introduction to the theories of architecture. By the end of the course the student is expected to have a basic sense of major architectural theories and be able to recognize them in texts and architectural objects. | | | | | | | | |
| **TEXTBOOK** | | | | | Anay, Hakan & Ozten,Ülkü, Biçim ve İşlev, (2011)  Banham, Reyner. Theory and Design in the First Machine Age. (1980)  Colquhoun, Alan. Modern Architecture (2002)  Curtis, William. Modern Architecture since 1900 3rd ed. (1996)  Doordan, Dennis. Twentieth Century Architecture (2001)  Frampton, Kenneth. Modern Architecture: a Critical History 4th. ed. (2007)  Giedion, Sigfried. Space, Time and Architecture. (1941, 5th ed 1982)  Tafuri, Manfredo & F. Dal Co. Modern Architecture, transl. R.E. Wolf (1976)  Behne, Adolf. Modern Functional Building (1926; transl. 1996)  Behrendt, W.C. Modern Building (1936)  Behrendt, W.C. Victory of the new Building Style (1927, transl. 2000)  Benevolo, Leonardo. History of Modern Architecture. 2 vols. (1985)  Cheney, S.W. New World Architecture (1930)  Collins, Peter. Changing Ideals in Modern Architecture 1750-1950. (1965, 1998)  Frampton, K. & Y. Futagawa. Modern Architecture 1851-1945 (1983)  Gropius, Walter. International Architecture in Images, ed. T. Benton (1925, transl. 1975)  Hitchcock, H-R. Architecture: Nineteenth and Twentieth Centuries (1958)  -----. Modern Arch.: Romanticism & Reinitegration (1929, 1993)  Jencks, Charles. Modern Movements in Architecture (1973)  Kultermann, Udo. Architecture in the 20th Century (1993)  Lampugnani, V.M. Thames & Hudson Encyclopedia of 20th C. Architecture (1963, 1988)  Pevsner, N. Pioneers of Modern Design from Wm. Morris to W. Gropius (1936, 2005)  Scully, Vincent. Modern Architecture. The Architecture of Democracy (1961)  Weston, Richard. Modernism (1996) | | | | | | | | |
| **OTHER REFERENCES** | | | | | Banham, Reyner. The Architecture of the Well-Tempered Environment (1984)  Benton, Timothy, ed. Architecture & Design: 1890-1939 (1975)  Borsi, Franco. The Monumental Era. European Arch. & Design 1929-1939. (1986)  Colomina, Beatriz. Privacy and Publicity. Modern Architecture and Mass Media  Colquhoun, Alan. Essays in Architectural Criticism (1981)  -----. Modernity and the Classical Tradition (1989)  Forty, A. Words & Buildings. Vocabulary of Modern Architecture (2000)  Jones, P. Blundell, Modern Architecture Through Case Studies (2002)  Wigley, Mark. White Walls, Designer Dresses. The Fashioning of Mod. Arch. (1995)  Wolfe, Tom. From Our House to the Bauhaus (1981)  Zevi, Bruno. Towards an Organic Architecture (1950) | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer or notebook, projection system and screen, blackboard. etc. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Intro. / Overview + hand out topic forms |
| 2 | Le Corbusier - Villas |
| 3 | Le Corbusier - Urban |
| 4 | German Functionalism + discuss Term paper topics |
| 5 | CIAM |
| 6 | Mies, Aalto + Term paper abstract + bibliography due |
| 7 | Regionalism |
| 8 | Totalitarianism |
| 9 | Architectural history and theories (discussion) + Term paper development |
| 10 | Architectural history and theories (discussion ) |
| 11 | Critique of modern architecture - demise of CIAM (discussion) |
| 12 | Critique of modern architecture - Banham (discussion) + Term paper development |
| 13 | Critique of modern architecture – Rowe, Colquhoun (discussion) |
| 14 | Post Modernism |
| 15,16 | + Term paper due |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Prof. Dr. Hakan Anay

**Signature**: **Date:** 14.12.2022

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152016364 | **COURSE NAME** | Building Physics 352 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 6 | 2 | | 2 | 0 | | 3 | | 4 | COMPULSORY αELECTIVE (  ) | English |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
|  | |  | | | | | X | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | | 1 | 20 |
| 2nd Mid-Term | | | | 1 | 20 |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Studioworks and weekly drawing assignments) | | | | 1 | 30 |
| **FINAL EXAM** | | | | | Final Sınavı | | | | 1 | 30 |
| **PREREQUIEITE(S)** | | | | | Building Physics 351 | | | | | |
| **COURSE DESCRIPTION** | | | | | In this course, the service systems and installations in buildings and their principles are taught to students. Sanitary, electrical, and mechanical installations in buildings and their relationship with architectural design decisions are emphasized in this course. Mechanical and electrical system types, how they are built, and how they affect the construction project is an important focus. Topics will include mechanical heating and cooling systems (HVAC systems), environmental systems, installations, fire control, rainwater management, service cores, elevators, illumination, and building automation systems, building envelope, accessibility, life safety and legal responsibilities. | | | | | |
| **COURSE OBJECTIVES** | | | | | This course aims to supply students with the skills to understand and interpret the effect of building systems on design and building performance. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | With the help of this course, the students will develop the skill to integrate efficient service systems to the building with the awareness that mechanical systems are as well an important component of building design. | | | | | |
| **COURSE OUTCOMES** | | | | | To develop a holistic approach towards buildings in terms of design and engineering and to develop an awareness on building services as a fundamental component of building design. | | | | | |
| **TEXTBOOK** | | | | |  | | | | | |
| **OTHER REFERENCES** | | | | | * Baker, N. & Steemers, K.,2005, Energy and Environment in Architecture, E & FN Spon. * Chadderton, D. V., 2004, Building Services Engineering, Fourth Edition, New York: Spon Press. * ASHRAE Fundamentals, 2009, American Society of Heating, Refrigerating and Air-Conditioning Engineers | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Data show, Computer | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction: Building Service Systems |
| 2 | Comfort and Psychometric Calculations |
| 3 | Indoor Environmental Health |
| 4 | Ventilation, Infiltration, Air Movement in Buildings and Condensation in Buildings. |
| 5 | Energy Sources |
| 6 | Mid-term Exam |
| 7 | Heating Systems |
| 8 | Cooling and Ventilation Systems |
| 9 | Artificial Lighting and Electrical Installations in Buildings |
| 10 | Water Installations in Buildings, Utilization of Rainwater, Waste Management in Buildings |
| 11 | Service Cores, Fire Control, Building Automation Systems |
| 12 | Mid-term Exam |
| 13 | Integration of Renewable and Clean Energy Technologies in Buildings |
| 14 | Integration of Renewable and Clean Energy Technologies in Buildings |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | α |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | α |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | α |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | α |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | α |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | α |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | α |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | α |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | α |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Assoc. Prof. Dr. Başak GÜÇYETER

**Signature**:                                                                                                         **Date:** 28.10.2021

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152016350 | **COURSE NAME** | Technical English II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 6 | 2 | | 0 | 0 | | 0 | | 2 | COMPULSORY ✔ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 20 |
| 2nd Mid-Term | | | | | 1 | | | 20 |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 20 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 60 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The main aim of the course is to teach how to translate technical books and papers written in English in the field of architecture and to improve technical vocabulary and grammar of the students. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | * Improve English grammar * Improve technical vocabulary * Improve the ability of technical translation from English to Turkish * Improve effective communication skills * Get an understanding of professional and ethical responsibility * Get a recognition of the need for, and an ability to engage in life-long learning * Gain a knowledge of contemporary issues | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | To provide the knowledge of technical English which will enable student to follow architectural knowledge and discourse simultaneously at global scale. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | The ability of students to follow and interpret the developments in the field of architecture. | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | | Bailey, Stephen.; Academic writing : a handbook for international students; London : Routledge, 2006.Architectures Volume 1, Directed by Compain, Arte Video, 2005.Architectures Volume 2, Directed by Compain, Arte Video, 2005.Architectures Volume 3, Directed by Compain, Arte Video, 2005.Architectures Volume 4, Directed by Compain, Arte Video, 2007.Architectures Volume 5, Directed by Compain, Arte Video, 2007. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer and Datashow. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Differences between speaking and writing, paragraph and essay  Introduction to essay form |
| 2 | Important factors in writing |
| 3 | Four basic steps of essay writing |
| 4 | Four basic steps of essay writing |
| 5 | 1st Mid- Term Exam |
| 6 | Introduction to essay development |
| 7 | Essay development techniques (1): Description, Narration, Examples |
| 8 | Essay development techniques (2): Process, Cause and Effect, Comparison and Contrast |
| 9 | 2nd Mid-Term Exam |
| 10 | Essay development techniques (3): Definition, Division and Classification, Argumentation |
| 11 | Writing execises |
| 12 | Listening And Writing Exercises |
| 13 | Listening Exercises |
| 14 | Listening And Writing Exercises |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **✔** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **✔** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  |  | **✔** |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **✔** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **✔** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **✔** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  | **✔** |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **✔** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **✔** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):**

**Signature**:  **Date:** 27.12.2022

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152016368 | **COURSE NAME** | Design and Philosophy |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 6 | 3 | | - | - | | 3 | | 4 | COMPULSORY () ELECTIVE (X ) | | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 30 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | | 1 | | | 30 |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The content of lecture are: the rise of philosophy, 19. and 20th century philosophical approaches and ethic-esthetics values of design | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is for students to gain the abilities of critical thinking and discussion of philosophical thinking in history | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Helping to improve students skills like; critical thinking and generation of design thinking | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Improve critical thinking  Help students to be respectful and good examiner | | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | | |
| **OTHER REFERENCES** | | | | | All books about history of philosophy, art and ethic esthetics. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Writing tools, dictionary, computer, projector, sound systems | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introductions |
| 2 | Panet before philosophy : mithology, religion and beliefs |
| 3 | Axial age and birth of philosophy |
| 4 | Ancient Greek Philosophy |
| 5 | Birth of Modern Science: Bacon, Descartes, Newton and Paradigm Shift |
| 6 | New Epistemologies (Post Modernizm)  Fenomenoloji, Hermeneutik, Critical Theory |
| 7 | Structuralizm , Social Epistemology , Feminist Epistemology   * Husserl * Gadamer * Foucault * Deleuze * Zizek |
| 8 | Science Philosophy   * Mantıksal Pozitivisler * Popper * Khun * Feyerabend |
| 9 | Introduction to Art Philosophy : Ethic and Esthetic Values : Art Ethics and Esthetic Values of Platon and Aristoteles |
| 10 | Balance of Ethic and Esthetic : Kierkegaard |
| 11 | Introduction to Design Philosophy .Relation of Design Thinking and Philosophy |
| 12 | Relation Between Science as Design and art |
| 13 | Relation Between Philosophy and Architecture |
| 14 | Philosophy of Architecture or Architechtonic of Philosophy: Jacques Derrida |
| 15,16 | Final exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **x** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **x** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assoc. Prof. Dr. Gökçe Ketizmen

**Signature**: **Date:** 06.11.2022

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| **SEMESTER** | SPRING |

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| **COURSE CODE** | 152016371 | **COURSE NAME** | COURTYARD DESİGN, MATERIALS, PLANT |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 6 | 3 | | 0 | - | | 3 | | 3 | COMPULSORY | Turkısh |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| x | |  | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | | 1 | 40 |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Presentations) | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | 1 | 60 |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | While teaching the selection of living and inanimate materials in landscape architecture and their protection under the necessary conditions, what is learned while designing courtyard designs will be applied. The use of sketch books will be compulsory and practical applications of hand drawing and quick design thinking will be made. | | | | | |
| **COURSE OBJECTIVES** | | | | | The course aims to provide the students with the relationship between natural ecosystem and architecture. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | It is aimed to increase students' desire to participate in interdisciplinary studies and to increase their sensory description skills. | | | | | |
| **COURSE OUTCOMES** | | | | | Increasing students' design skills, To raise awareness of the relationship of architecture with other disciplines, | | | | | |
| **TEXTBOOK** | | | | | - | | | | | |
| **OTHER REFERENCES** | | | | | All architecture, design and art magazines Architecture databases | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer for presentation and demonstration, searchlight, sound system, necessary software | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | acquaintance |
| 2 | Questioning the concept of architecture and landscape |
| 3 | Questioning the concept of courtyard |
| 4 | Material and plantation concept, uses |
| 5 | presentations |
| 6 | Strengthening sketch designs and representations |
| 7 | Student Presentations |
| 8 | Submission of Homework |
| 9 | International examples of landscape architecture and courtyards in the intersection of architecture |
| 10 | Student Presentations |
| 11 | Evaluation of courtyard designs and intended use |
| 12 | How is the reference collected? Definitions and reference examples |
| 13 | Student Presentations |
| 14 | Questioning the concept of architecture and landscape |
| 15,16 | Final Homework |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **x** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Prof. Dr. Ayşen ÇELEN ÖZTÜRK

**Signature**:            **Date:** 30.10.2021

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152016366 | **COURSE NAME** | Istanbul In The Modernisation Period |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 6 | 3 | | 0 | 0 | | 3 | | 3 | COMPULSORY ( )  ELECTIVE (X ) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | | 1 | | | 30 |
| Homework | | | | | 1 | | | 40 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 30 |
| **PREREQUIEITE(S)** | | | | | Having taken or still having been taking History of Architecture Course | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | This course gives fundamental knowledge about explanation of Modernisation concept, to take up in general; interrogating relations of Modernisation Period of Ottoman Architecture; political reforms and organizational transformations; traces of Modermisation on Istanbul’s urban space | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of the course is to examine the  effects of Westernization on Ottoman Architecture and urbanization in Istanbul in the 18th-19th century | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Use of Precedents: Ability to examine and comprehend the fundamental principles present in relevant precedents and to make choices regarding the incorporation of such principles into architecture and urban design projects. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | To learn historical process of the city  The birth of modern city and effects to architecture  To learn the structure of the city and architecture  To comprehend critical and dialectical thought | | | | | | | | |
| **TEXTBOOK** | | | | | AREL.A, 18.Yüzyıl İstanbul Mimarisinde Batılılaşma Süreci, İstanbul, 1975  DENEL, S., Batılılaşma Sürecinde İstanbul’da tasarım ve Dış Mekanlarda Değişim. ODTÜ, Anlara 1982  KUBAN, D., İstanbul Yazıları: Kent ve Mimarlık Üzerine, YEM Yayınları, İstanbul, 1998 | | | | | | | | |
| **OTHER REFERENCES** | | | | | Reference books about course topics. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Projector .Device for presentations and a laptop computer. | | | | | | | | |

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| **COURSE SYLLABUS** | |  |  |  |  |  |  |  |  |  |  |  |  |
| **WEEK** | **TOPICS** |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | Introduction Course |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | Pierre Loti, Claude Farrere and  Art Nouveau in Istanbul |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | Western Architects in Istanbul |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | Year 1900 Era: Victory of Art Nouveau |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | Pera Place |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | Galata Place |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | Villages of Boğaziçi |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | Kadıköy Place |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | Arnavutköy Place |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | Reflections of Vienna in Büyükada |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | Tests of Restoration |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | Türk timberwooden House on duration af Western influence |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | Profession of architecture in Istanbul on period of western influence |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | Main  Enforcers (architects) of western influence in Istanbul |  |  |  |  |  |  |  |  |  |  |  |  |
| 15,16 |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** | | |  |  | |  | |  | | | |  |  |  | | |  |  | |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **X** |  | | |  |  | |  | |  | | | |  |  |  | | |  |  | |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  | | |  |  | |  | |  | | | |  |  |  | | |  |  | |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **X** |  | | |  |  | |  | |  | | | |  |  |  | | |  |  | |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  | | |  |  | |  | |  | | | |  |  |  | | |  |  | |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** |  | | |  |  | |  | |  | | | |  |  |  | | |  |  | |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  | | |  |  | |  | |  | | | |  |  |  | | |  |  | |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  | | |  |  | |  | |  | | | |  |  |  | | |  |  | |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  | | |  |  | |  | |  | | | |  |  |  | | |  |  | |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **X** |  | | |  |  | |  | |  | | | |  |  |  | | |  |  | |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |  |  | | |  | |  | |  |  |  | | | |  |  | | |

**Instructor(s):**   Asst. Prof. Dr. Terane MEHEMMEDOVA BURNAK

**Signature**:                                                                                                       **Date:** 28.10.2021

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152016367 | **COURSE NAME** | Sustainable Architecture 381 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 6 | 3 | | 0 | 0 | | 3 | | 3 | COMPULSORY ( )  ELECTIVE (α) | English |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
|  | |  | | | | | X | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | | Semester Assignments | 40 |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Discussions/Articles) | | | | 2 | 40 |
| **FINAL EXAM** | | | | |  | | | | 1 | 20 |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | Course can be described as a learning environment for the students with the purposes to gain insight on sustainable architecture, increase knowledge, develop more concious designs and awareness of subjects concerning interdisciplinary approaches. | | | | | |
| **COURSE OBJECTIVES** | | | | | The objective of the course is to introduce the sustainability concept in general and step into the theoretical discussions of sustainable architecture. It is important to deliver the knowledge of resources and energy efficiency, prevention of environmental degradation, and utilization of ecological approaches to the students, to integrate through their design processes. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To get related with the interdisciplinary fields of architecture | | | | | |
| **COURSE OUTCOMES** | | | | | The ability of students to integrate theoretical and technical approaches of sustainability into their design processes | | | | | |
| **TEXTBOOK** | | | | |  | | | | | |
| **OTHER REFERENCES** | | | | | * Brown, D. E., Fox, M. and Pelletier, M. R. (2000). *Sustainable Architecture*. Earth Pledge Foundation, New  York. * Edwards, B. (1999). *Sustainable Architecture: European Directives and Building Design. (2nd Ed.).* Oxford: Architectural Press. * Edwards, B. (2001). *The Rough Guide to Sustainability.* RIBA, London. * Carpenter, T. G. (ed.). (2001). *Environment, Construction and Sustainable Development.* Wiley, New York. * Hawkes, D. (1996). *The Environmental Tradition: Studies in the Architecture of Environment.* London: E & FN Spon. * Jones, David Llyod. (1998). *Architecture and the Environment: Bioclimatic Design*. Hong Kong: Laurence King. | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer and Datashow | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Sustainable Development – Introductory Approaches |
| 2 | Sustainable Development – Further Discussions |
| 3 | Sustainable Architecture – Reflections of Sustainable Development on Architecture |
| 4 | Sustainable Communities |
| 5 | Case Studies – Sustainable Communities |
| 6 | Concepts  – Introduction to Environmental / Ecological / Green Architecture |
| 7 | Sustainable Urban Design Principles |
| 8 | Life Cycle Approach for Building Materials |
| 9 | Energy and Water Efficiency |
| 10 | Waste Management |
| 11 | Whole Building Design Guidelines |
| 12 | Case Studies - Environmental / Ecological / Green Buildings |
| 13 | Case Studies - Environmental / Ecological / Green Buildings |
| 14 | Environmental Assessment Methods |
| 15,16 | Student Presentations and Papers |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **α** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **α** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **α** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **α** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **α** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **α** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **α** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **α** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **α** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Assoc. Prof. Dr. Başak Güçyeter

**Signature**:                                                                                                         **Date:** 28.10.2021

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152016369 | **COURSE NAME** | Urban Design Issues |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 6 | 3 | | 0 | 0 | | 3 | | 3 | ELECTIVE | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| X | |  | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Practice | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | | 3 | 30 |
| Project | | | |  |  |
| Report | | | |  |  |
| Participation | | | | 16 | 16 |
| Others (Presentations) | | | | 2 | 54 |
| **FINAL EXAM** | | | | | Final Homework | | | |  |  |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | Urban design is an interdisciplinary work field, which particularly is related to architecture, city planning and landscape architecture. In the course, projects that exhibit the interdisciplinary dimensions of urban design will be analysed and discussed. | | | | | |
| **COURSE OBJECTIVES** | | | | | Understanding the interdisciplinary nature of urban design in terms of theory and practice. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | The work field of urban design is one of the specialization areas of architecture. The course will provide the students interested in the field with the interdisciplinary dimensions of urban design and develop their skills in the area. | | | | | |
| **COURSE OUTCOMES** | | | | | To understand the interdisciplinary nature of urban design; to understand other related disciplines’ view of urban design. | | | | | |
| **TEXTBOOK** | | | | | - | | | | | |
| **OTHER REFERENCES** | | | | | Lang, Jon (2017) ***Urban design : a typology of procedures and products***. 2nd Edition.  Imprint: Oxford ; Burlington, MA : Elsevier/Architectural Press | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, sound systems and necessary software for presentations. | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Information on the course |
| 2 | The roots of modern concepts I |
| 3 | The roots of modern concepts II |
| 4 | Urban design processes and procedures I |
| 5 | Urban design processes and procedures II |
| 6 | Urban design and architecture |
| 7 | Student presentations: Urban design and architecture |
| 8 | Urban design and city planning |
| 9 | Urban design and landscape architecture |
| 10 | Student presentations I |
| 11 | Student presentations II |
| 12 | Student presentations III |
| 13 | Discussion |
| 14 | Evaluation |
| 15,16 | Evaluation |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **X** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **X** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Assist.Prof.Dr. Açalya Alpan

**Signature**:            **Date:** 28.10.2021

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152016372 | **COURSE NAME** | Illustration, competitions presentation and techniques in Architecture |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 6 | 3 | | 0 | - | | 3 | | 3 | COMPULSORY | Turkısh |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| x | |  | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | | 1 | 40 |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Presentations) | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | 1 | 60 |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | Graphic representation techniques, one of the specialization areas of architecture, will be explained with examples and produced experimentally. The use of sketch books will be compulsory and practical applications of hand drawing and quick design thinking will be made. | | | | | |
| **COURSE OBJECTIVES** | | | | | In this course, illustration techniques which are very important in all branches of design will be discussed and landscape definition will be examined while learning these techniques. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | It is aimed to increase students' desire to participate in interdisciplinary studies and to increase their sketch representation skills. | | | | | |
| **COURSE OUTCOMES** | | | | | Öğrencilerin tasarım yeteneklerinin arttırılması,  Mimarlığın diğer disiplinlerle olan ilişkisinin farkındalığının arttırılması, | | | | | |
| **TEXTBOOK** | | | | | - | | | | | |
| **OTHER REFERENCES** | | | | | All architecture, design and art magazines Architecture databases | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer for presentation and demonstration, searchlight, sound system, necessary software | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | acquaintance |
| 2 | Architecture concept and graphic |
| 3 | equivalents |
| 4 | Illustration concept |
| 5 | Completely graphic design examples from the world |
| 6 | presentations |
| 7 | Offices and graphic languages |
| 8 | Student Presentations |
| 9 | Submission of Homework |
| 10 | Graphic concepts and printing techniques, color pigments |
| 11 | Student Presentations |
| 12 | Presenting the architectural competition experience with an illustrator, graphic designer, making the project a booklet |
| 13 | How is the reference collected? Definitions and reference examples |
| 14 | Student Presentations |
| 15,16 | Final Homework |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **x** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **x** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **x** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **x** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Prof. Dr. Ayşen ÇELEN ÖZTÜRK

**Signature**:            **Date:** 21.10.2021

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| **SEMESTER** | SPRING |

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| **COURSE CODE** | 152016365 | **COURSE NAME** | METHODOLOGICAL CONSERVATION APPROACHES |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| **6** | **3** | | 0 | 0 | | **3** | | **3** | COMPULSORY (**X** )  ELECTIVE ( ) | ENGLISH |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
|  | | **X** | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | | **1** | **30** |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | | **2** | **30** |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (………) | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | **1** | **40** |
| **PREREQUISITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | Understanding the methodological conservation approaches for the historic sites and buildings requires to get knowledge of the conservation background and historical developments in studies and applications on it. In order to have competence in conservation of historic sites and buildings, it will be drawn attention on the methodological approaches, conservation theories and knowledge, documentation and research methods, intervention types through discussing and making inferences throughout written documentation on the conservation approaches.  In addition to theoretical process of the course, design approaches in conservation of historical buildings and sites as various samples in different countries and specific themes and ideas on conservation will be examining in the course.  Both oral and written presentations and attendance are mandatory. | | | | | |
| **COURSE OBJECTIVES** | | | | | In this course, it is expected to be able to: understand the methodological conservation approaches and the values holding for conservation of immovable cultural assets (historical sites and buildings) and examine the studies and implementations to recognize the conservation approaches and ideas in the historical process, and make inferences. | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Understanding the values for conservation of immovable cultural assets, methodological conservation approaches, and learning theoretical background of conservation progress. | | | | | |
| **COURSE OUTCOMES** | | | | | Ability to identify methodological conservation approaches of immovable cultural assets (historic sites and buildings).  Ability to identify theoretical background, natural and international arrangements and organizations in conservation area, to synthesize information and to be capable of making inferences throughout written natural and international documentation on the methodological conservation approaches.  Developing and getting awareness of conservation and [being aware of](http://tureng.com/search/be%20aware%20towards) historical buildings and sites and studies about. | | | | | |
| **TEXTBOOK** | | | | |  | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Projection, projection curtain, computer. | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction\_ Introducing of course content and objectives |
| 2 | A brief description of the methodological conservation approaches, describing and identifying of the conservation terminology; immovable cultural assets, monument, historical sites and buildings, cultural heritage, restoration, etc. |
| 3 | The evaluation and discussion of the preservation criteria of cultural and natural properties. |
| 4 | Conservation theories and historical background (France, United Kingdom) |
| 5 | Conservation theories and historical background (Italy) |
| 6 | International organizations related with the future and caring of cultural assets (International Governmental Organizations, International Non-governmental Organizations, Private Organizations) |
| 7 | National organizations related with the future and caring of cultural assets |
| 8 | MID TERM EXAM |
| 9 | Historical cultural landscape |
| 10 | Presentation and discussion of design approaches in the conservation concepts |
| 11 | Presentation and discussion of design approaches in the conservation concepts |
| 12 | Presentation and discussion of design approaches in the conservation concepts |
| 13 | Presentation and discussion of design approaches in the conservation concepts |
| 14 | The historical background and International advances in the field of preservation of cultural assets  International charters and documents for the conservation concepts |
| 15,16 | FINAL EXAM |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **X** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  |  | **X** |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  | **X** |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Asst. Prof. Dr. Kader Reyhan

**Signature**:            **Date:**

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152016373 | **COURSE NAME** | Contemporary Art and Urban Relations |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 6 | 3 | | 0 | 0 | | 3 | | 3 | Elective | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
|  | | x | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | | 1 | 40 |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Presentations) | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | 1 | 60 |
| **PREREQUIEITE(S)** | | | | | - | | | | | |
| **COURSE DESCRIPTION** | | | | | This course discusses the practices on urban studies, the relations with urban and the inhabitants of pioneers of contemporary arts. | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is to enable students to discuss contemporary architecture and contemporary philosophy and urbanism. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | The discipline of architecture is also influenced by the art field in urban space fiction. In this sense, especially the pioneers of contemporary art in urban spaces with the city and the city establishes relationships with installations. The profession of architecture also improves itself by establishing a relationship with these spatial transformations. | | | | | |
| **COURSE OUTCOMES** | | | | | Students will be asked to analyze urban installations and make similar installation models (three dimensions, etc.) in their chosen urban spaces. | | | | | |
| **TEXTBOOK** | | | | |  | | | | | |
| **OTHER REFERENCES** | | | | | All the books on contemporary arts. | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction and Abstract Expressionism |
| 2 | Introduction to Contemporary Art I |
| 3 | Introduction to Contemporary Art II |
| 4 | Postwar German Art |
| 5 | Pop Art |
| 6 | Land Art |
| 7 | Installation I |
| 8 | Installation II |
| 9 | Urban Art relations I |
| 10 | Urban Art relations II |
| 11 | Installation Art and Urban I |
| 12 | Installation Art and Urban II |
| 13 | Performance  Art |
| 14 | Exhibition Design |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **x** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Prof. Dr. Ayşen ÇELEN ÖZTÜRK

**Signature**:            **Date:**

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152016370 | **COURSE NAME** | Design Thinking |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 6 | 3 | | - | - | | 3 | | 3 | COMPULSORY ( )  ELECTIVE ( x) | English |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
|  | | x | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | | 1 | 30 |
| Project | | | | 1 | 30 |
| Report | | | |  |  |
| Others (Presentations) | | | |  |  |
| **FINAL EXAM** | | | | | Homework | | | | 1 | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | What is design? Extended Meanings of Design, Design Processes, Use of Design in Different Disciplines, Design Thought Processes, Understanding, Observation, Sketching, Testing, Prototype, Design as an Interdisciplinary Study, Design Thought Workshops, Results of Design Thought Activities, Future Perspectives | | | | | |
| **COURSE OBJECTIVES** | | | | | To provide the students with the ability to design thinking. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To make students aware of the design processes coming from different disciplines due to the interdisciplinary structure of architecture. | | | | | |
| **COURSE OUTCOMES** | | | | | -Unconscious about design as an interdisciplinary field  -Understand the meaning of design from a wider framework  -Gains knowledge of design thinking  -Experience in design thinking | | | | | |
| **TEXTBOOK** | | | | | 1 -Cross, Nigel. Design Thinking  2 -Rowe, Peter G. 1987 Design Thinking | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projection and internet connection. | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | What is design? What is the concept of design-oriented thinking? Design processes. |
| 2 | What is interdisciplinary design? Interdisciplinary design Examining examples. |
| 3 | Applied Creativity, Problem decomposition techniques and solution concepts. Brainstorming principles and their efficacy in creative thinking. System exploration and concept / down-selection |
| 4 | Identifying User Needs. Product development process and concept development phase in design planning and analysis. User needs and markets. Types of product users. User needs analysis. |
| 5 | Prototyping, Prototyping and its relevance in the concept development phase. Types of prototyping. Prototyping strategy. Rapid prototyping and virtual prototyping. Prototyping examples |
| 6 | Translating customer needs into measurable specifications. Benchmarking needs vs. specifications. Quality function deployment (house of quality). Dynamics of product specifications |
| 7 | Design for Services. Service development process. Service cycle experience map. Product vs. service systems. Service innovation examples |
| 8 | Design Architecture. Types of product architecture: integral and modular. Examples of integral and modular architectures. Implications of product architecture on the design process |
| 9 | Design for Environment. DFE principles and decision making. How DFE integrates with the product development process. Product life cycle and environmental impacts |
| 10 | Design Development Processes. Systematic innovation process: Altitude case study. Types of development processes – staged, spiral, and agile methodologies. |
| 11 | Design as an interdisciplinary study. |
| 12 | Design thinking workshop 1 |
| 13 | Design thinking workshop 2 |
| 14 | Design thinking workshops output presentation and exhibition. |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  |  | **X** |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **x** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Prof. Dr. Ayşen ÇELEN ÖZTÜRK

**Signature**:            **Date:** 28.10.2021

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**FOURTH YEAR**

**FALL**

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| **FOURTH YEAR FALL** | | **TEO** | **UYG** | **KRD** | **ECTS** |
| 152017448 | Architectural Design 401 | 4 | 8 | 8 | 12 |
| 152017439 | Occupational Health and Safety I | 2 | 0 | 2 | 3 |
| 152017449 | Reading Architecture İn Sci-Fi Literature And Animation | 3 | 0 | 3 | 4 |
| 152017450 | Architectural Themes | 3 | 0 | 3 | 4 |
| 152017451 | Building Damages | 3 | 0 | 3 | 4 |
| 152017452 | Global Cities And Architecture | 3 | 0 | 3 | 4 |
| 152017453 | Building Regulations I | 3 | 0 | 3 | 4 |
| 152017454 | Conservation Approaches | 3 | 0 | 3 | 4 |
| 152017455 | Natural Systems And Lanndscape Desıgn | 3 | 0 | 3 | 4 |
| 152017434 | Building Economics & Cost Control 491 | 3 | 0 | 3 | 5 |
| 152017435 | Architectural Publication | 3 | 0 | 3 | 5 |
| 152017436 | Urban History And Theories 421 | 3 | 0 | 3 | 5 |
| 152017437 | Introduction To Building Performance Simulation481 | 3 | 0 | 3 | 5 |
| 152017445 | Pedestrian Spaces | 3 | 0 | 3 | 5 |
| 152017446 | Building Information Modeling | 3 | 0 | 3 | 5 |
| 152017456 | Archıtectural Offıce Internshıp | 0 | 0 | 0 | 2 |
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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017448 | **COURSE NAME** | Architectural Design 401 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 7 | 4 | | 8 |  | | 8 | | 12 | COMPULSORY (X)  ELECTIVE (  ) | English |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| X | |  | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | | 1 | 45 |
| Report | | | |  |  |
| Others (3rd Mid-Term) | | | |  |  |
| **FINAL EXAM** | | | | | Project | | | | 1 | 55 |
| **PREREQUIEITE(S)** | | | | | Architectural Design 301, Architectural Design 302 | | | | | |
| **COURSE DESCRIPTION** | | | | | It is necessary for students to develop skills the integration of urban planning theories and architectural design and learn to work in groups. In order to develop these skills this course is suggested. | | | | | |
| **COURSE OBJECTIVES** | | | | | To understand and analyze methods and techniques to specific large scale development and redevelopment endeavors in metropolitan areas in regard to the physical, cultural, social, and economical context of the design problem, to develop a conceptual understanding of the social, cultural, formal, technological and environmental issues and translate them into a new urban design, to propose parallel architectural design solutions in a more detailed approach. | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Developing skills the integration of urban planning theories and architectural design and learn to work in groups. | | | | | |
| **COURSE OUTCOMES** | | | | | Having advanced knowledge in urban design theories, strategies for change in large areas of cities to be developed over time and involving different actors, developing designs in natural, manmade, historical and cultural contexts, enabling desirable activity patterns, conceptualizing built form, providing infrastructure and services systems. | | | | | |
| **TEXTBOOK** | | | | |  | | | | | |
| **OTHER REFERENCES** | | | | | Contemporary architecture, design and art journals  Data bases  Printed publications | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Traditional and digital drawing tools and gadget, computer, projector, necessary software | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction of the project topic discussions on the program and the project area |
| 2 | Studies on concept and program, area analysis 1/10000 |
| 3 | Studies on concept and program, area analysis 1/10000 – 1/5000 |
| 4 | I. Mid Jury |
| 5 | Area analysis 1/2000, site plan 1/1000 |
| 6 | Site plan 1/1000, plans and sections 1/500 |
| 7 | Plans and sections 1/500 |
| 8 | II. Mid Jury |
| 9 | Plans, sections and elevations 1/500 |
| 10 | Plans, sections and elevations 1/500, details |
| 11 | Plans, sections and elevations 1/500, details and silhouette |
| 12 | III. Mid Jury |
| 13 | Plans, sections and elevations 1/200, details and silhouette, perspective |
| 14 | Plans, sections and elevations 1/200, details and silhouette perspective |
| 15,16 | Final term jury |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **x** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Prof. Dr. Ayşen Çelen Öztürk

**Signature**:            **Date:**28.10.2021

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017439 | **COURSE NAME** | Occupational Health and Safety I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 7 | 2 | | - | - | | 0 | | 3 | COMPULSORY (X) ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| 20 | |  | | | | | 60 | | | | 20 |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 40 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | | Final Work Submission | | | | | 1 | | | 60 |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Occupational safety definition and importance, occupational safety culture, occupational accidents, occupational diseases, factors affecting the business environment, basic safety in the workplace, risk assessment, personal protection, fire, relevant legislation | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | One of the objective of the course is teaching the methods of the prevention of occupational accidents and diseases in workplaces | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | The aim is to protect human health and improve labor productivity by learning precautions against possible accidents and occupational diseases in the workplace. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | 1. Identify problems in the workplace to improve the existing physical conditions, define, develop alternative solutions and solve.  2. To design experiments, take measurements, analyze and interpret the results for workplace conditions (noise, heat, dust, etc.).  3. Assessment of the possible risks and the ability to develop solutions that will protect human health in the workplace. | | | | | | | | |
| **TEXTBOOK** | | | | | Kahya, E., 2014, İş Güvenliği, ESOGÜ Yayın No :246, Eskişehir. | | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Yiğit, A., İş Güvenliği, 2013, Dora basım-Yayın Dağıtım Ltd. Şti, Bursa. 2. Bayır, M. ve Ergül, M., 2006, İş Güvenliği ve Risk Değerlendirme Uygulamaları, Bursa. 3. Dizdar, E.N., 2008, İş Güvenliği, 4.Baskı, Murathan Yayınevi, Trabzon. 4. Esin, A., 2006, Yeni Mevzuatın Işığında İş Sağlığı ve Güvenliği, TMMO MMO Yayın No:MMO/363/2, Ankara. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, sound systems and necessary software for presentations. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Occupational safety culture |
| 3 | Work accidents (Agents, types, performance measures) |
| 4 | Work accidents (theory, statistics, inquiries) |
| 5 | Occupational diseases |
| 6 | Risk factors |
| 7 | Basic safety precautions in workplaces |
| 8 | Mid Term work submission |
| 9 | Mid Term work submission |
| 10 | Basic safety precautions in workplaces |
| 11 | Risk assessment |
| 12 | Personal protective equipment |
| 13 | Fire |
| 14 | OSH legislation |
| 15,16 | Final work submission |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **x** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  | **x** |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **x** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **x** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Asst. Prof. Dr. Orkun Alptekin

**Signature**: **Date:** 15.07.2015

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017434 | **COURSE NAME** | **Building Economics and Cost Control 491** |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 7 | 3 | | 0 | 0 | | 3 | | 4 | COMPULSORY ( ) ELECTIVE (✔) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | | X | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | | 1 | | | 30 |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The course covers subjects that will help students during their professional practices, to conduct project management principles and cost evaluations, and to enhance management capabilities concerning project office and constructions. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The objective of the course is to build an awareness of economic aspects of project development and to introduce creative use of skills in project development and cost control. Students discover subjects such as cost, quality, time, productivity in the construction industry. They are expected to acquire basic understanding of the project-based environment and ultimately come to understand the organization and management issues of an architectural design office and learn to define, plan, execute, and complete a building project. Project management principles, techniques and tools that used in the field are introduced. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To develope analytical approaches in project management issues. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Fundamental principles of project planning and application processes are conveyed to students | | | | | | | | |
| **TEXTBOOK** | | | | | Yok | | | | | | | | |
| **OTHER REFERENCES** | | | | | * Neale, R.D. (1989). *Construction Planning.* Thomas Telford, London * Miles, D. (1979). *Financial Planning for Small Building Contractor.* London * De Troyer, F. & Allacker, K. (2004). *Modeling of Cost and Value Consequences of Architectural and Urban Design Options.* International Workshop: Training Module Rational Design and Construction. * De Troyer, F. & Allacker, K. (2004). *Modeling of Cost Consequences of Planning of Repetitive Projects.* International Workshop: Training Module Rational Design and Construction. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, Datashow | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction to Economic Aspects of Project Development |
| 2 | Investment Analysis Techniques – Compound Interest / Investment Analysis |
| 3 | Life Cycle Costing – Modeling Inflation / Present Value |
| 4 | Construction Industry |
| 5 | Phases of a Building Project |
| 6 | Quality / Function Models |
| 7 | Midterm I |
| 8 | Project Variables |
| 9 | Effects of Time Planning on Costs: Postponed Availability, Increased Fixed Cost, Payment   Schemes |
| 10 | Project planning. Implementation: GANTT-charts, PERT, LOB |
| 11 | Cost Monitoring of Ongoing Projects: Standard Costing and Cost Reporting |
| 12 | Midterm II |
| 13 | Effect of Demand on Profitability |
| 14 | Decision Making |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **✔** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **✔** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **✔** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **✔** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **✔** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **✔** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **✔** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **✔** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **✔** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assoc. Prof. Dr. Başak Güçyeter

**Signature**: **Date:** 23.09.2011

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017435 | **COURSE NAME** | Architectural Publication |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** | |
| 7 | 3 | | 0 | 0 | | 3 | | 4 | ELECTIVE | | | | ENGLİSH | |
| **COURSE CATAGORY** | | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | | **%** |
| 1st Mid-Term | | | | |  | | | |  |
| 2nd Mid-Term | | | | |  | | | |  |
| Quiz | | | | |  | | | |  |
| Homework | | | | | weekly assignments | | | | 30 |
| Project | | | | |  | | | |  |
| Report | | | | |  | | | |  |
| Others (Seminar) | | | | | weekly seminars | | | | 30 |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | It is about exploring the history and contents of primary contemporary architectural periodicals by focusing especially on the 20’th century history, theory and design. It aims at comparative understanding of the historical dynamics of the periodicals. Active participation of the course will be expected in the forms of readings, oral and visual weekly presentations, discussions and assignments. At the end of the course there will be a collective school periodical publishing experience. | | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | In the modern times, architectural design knowledge has become transferring, developing and conducting by some specialized periodicals. For nearly 150 years, design discourses have been largely following through such media. In this course, architectural media and especially the pioneered periodicals will be analyzed by their various aspects. The course aims to give students awareness about tracing and reaching historical and theoretical field knowledge in architecture, and show ways of reaching general design discourses as well as detailed knowledge by using the periodicals. It also aims to give students to the experience of preparation and launching a school periodical. | | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | It is an important source for history theory and knowledge of the design methodologies | | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Develop ability to acquire knowledge about alternative contemporary sources and gain information and experience about the publication procedures of written architectural media. | | | | | | | | | |
| **TEXTBOOK** | | | | | *Journal of Architectural Education (JAE),* Blackwell Publishing (1947- Present)*Architectural Design (AD),*John Wiley & Sons Ltd., (1930-Present)*Design Issues,*MIT Press., (1984-Present)*Design Studies,* Elsevier Science Ltd., (1979-Present)*Environment and Planning B,*Planning and Design Pion Ltd., (1974-Present)*Log,* Anyone Corp. (2003- Present)*ANY,*Anyone Corp. (1993-2000)*Assemblage,*The MIT Press. (1986-2000)*Praxis: Journal of Writing and Building,* Blackwell Publishing, (1999- Present)*AA Files,*Architectural Association School of Architecture, (1981-Present)*Perspecta,*Yale School of Architecture, The MIT Press, (1952-Present)*Harvard Design Magazine,*Harvard Graduate School of Design,(1997-Present)*The Architectural Review,* Emap Construct, (1896-Present)*Architectural Record,* McGraw-Hill Construction, (1896- Present) | | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer or notebook, projection system and screen, blackboard. etc. | | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introductiom + distribution of topics |
| 2 | Weekly assignment due + weekly presentation + discussion |
| 3 | Weekly assignment due + weekly presentation + discussion |
| 4 | Weekly assignment due + weekly presentation + discussion |
| 5 | Weekly assignment due + weekly presentation + discussion |
| 6 | Weekly assignment due + weekly presentation + discussion |
| 7 | Weekly assignment due + weekly presentation + discussion |
| 8 | Weekly assignment due + weekly presentation + discussion |
| 9 | Weekly assignment due + weekly presentation + discussion |
| 10 | Weekly assignment due + weekly presentation + discussion |
| 11 | Weekly assignment due + weekly presentation + discussion |
| 12 | Weekly assignment due + weekly presentation + discussion |
| 13 | Weekly assignment due + weekly presentation + discussion |
| 14 | Weekly assignment due + weekly presentation + discussion |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):**  Assoc. Prof. Dr. Meltem Özten Anay

**Signature**:  **Date:** 12.12.2011

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017450 | **COURSE NAME** | Architectural Themes |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 7 | 3 | | - | - | | 3 | | 5 | COMPULSORY () ELECTIVE ( X) | | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 60 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | | Final Work Submission | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | This lecture includes, the reflection of 18-19. Century industrialization and modernity to architecture, function, form and space in architecture, seeing architecture, discussion of modern and postmodern in architecture, social context of nowadays architecture issues and debates. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of lecture is convey architectural history and theory with discussions and formation of theoretical background about architecture discipline. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | This lecture, aimed to foster students ability to understand architectural discipline and related theories with query and analysing. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | The aim is to improve observation, interpretation of students in a scientific manner. | | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, sound systems and necessary software for presentations. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Architecture and space |
| 3 | Architecture and space: texture, ratio and proportion |
| 4 | İnvention of architecture: from caves to cities -1 |
| 5 | İnvention of architecture: from caves to cities -1 |
| 6 | Who is architect? From high priest to professions |
| 7 | Discussions of modern architecture |
| 8 | Discussions of post-modern architecture |
| 9 | Architecture and Utopia |
| 10 | Contemporary architectural debates |
| 11 | Dwelling, mimesis and culture discussions-1 |
| 12 | Dwelling, mimesis and culture discussions-1 |
| 13 | Student presentations |
| 14 | Student presentations |
| 15,16 | Final work submission |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assoc. Prof. Dr. Gökçe Ketizmen

**Signature**: **Date:** 04.08.2022

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017451 | **COURSE NAME** | Building Damages |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 7 | 3 | | 0 | 0 | | 3 | | 5 | COMPULSORY ( ) ELECTIVE (**X**) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | | X | | | | X |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 40 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 60 |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Design, application, environmental and usage-induced deterioration; damage to bearer and finishing elements; investigation of deterioration and damage; heat, moisture and water movements in the building elements; deterioration prevention principles; removal of harmful effects in damaged structures and consolidation methods. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | -To identify the cause of material damage;  -To explain preservation measures and protective materials. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | -To increase the knowledge of the learners towards the structure,  -To overcome the idea of coordination with other disciplines. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | -To obtain detailed information about the physician's mechanism;  -To learn conservation precautions and use places of protective materials;  -To carry out the basic scientific coordination;  -To teach how to design material and structure components against time effects | | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | | |
| **OTHER REFERENCES** | | | | | -Akman, Süheyl., Yapı Hasarları ve Onarım İlkeleri, Aralık 2000, TMMOB, İstanbul  -E.B. Grunau, La Lutte Contre L’Humidite Dans Les Façades Traduit par R.Lucron, Eyrolles Paris, 1990  -Sidney M. Johnson, Deterioration, Maintenance and Repair of Structures, McGraw-Hill 1992  -R.T.Gratwick, Dampness in Building Crosby Lockwood & Son Ltd. Surrey 1986  -R.M.E . Diamant, Insulating of Building I, liffe Books Ltd London 1965 | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, sound and projection systems for presentations, picturs/photographs, videos etc. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction, purpose and scope of the course, methods of determining damage |
| 2 | Damage occurrence, sources of damage, the role of material |
| 3 | Thermal effects in damaging, steam movements, coagulation |
| 4 | External sources of damage |
| 5 | Water effect, swelling-shrinkage, wetting-drying |
| 6 | Chemical effects of water, dissolution, corrosion, bloom damage |
| 7 | Damage and repair methods in exterior materials |
| 8 | Mid-term exam |
| 9 | Causes of damage in concrete structures, rupture and disintegration |
| 10 | Causes of damage in concrete structures, rupture and disintegration |
| 11 | Rutting phenomenon at concrete structures, thermal effects, fire damage |
| 12 | Rust corrosion of concrete structures, chemical phenomena, atmospheric effects, impact and wear |
| 13 | Damages at steel structures |
| 14 | Damages at masonry structures |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **X** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **X** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **X** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **X** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assoc. Prof.Dr. Hasan ÜNVER

**Signature**: **Date:** 09.08.2022

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017436 | **COURSE NAME** | Urban History and Theories 421 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 7 | 3 | | 0 | 0 | | 3 | | 5 | COMPULSORY ( ) ELECTIVE (X ) | | | | ENGLISH |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | | 1 | | | 30 |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Examination of a range of urban spatial types, city plans, maps, and communication networks of the cities from the Hellenistic period to the early 20th century | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | ARCH 421 traces the development of the city from classical antiquity to the Industrial Revolution. Focuses on the Hellenistic cities, cities of the Roman Empire, Medieval period, Italian Renaissance, and at the second part it studies the emergence of the new urban models by examining the effects of industrialization in Rome, Paris, London, and Chicago. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To understand urban as one of the fundamental contexts of architecture. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | To understand urban structurally and formally; gain awareness about structural elements and histories of the cities. | | | | | | | | |
| **TEXTBOOK** | | | | | City Planning According to Artistic Principles, Sitte, Camillo Hyperion, 1980 (1889)  Town Planning in Practice, Unwin, Raymond Princeton 1994 (1909)  Garden Cities of To-Morrow, Howard, Ebenezer MIT Press, 1965 (1902)  The City of Tomorrow and its Planning, Le Corbusier Architectural Press, 1987 (1924)  The Image of the City, Kevin Lynch MIT Press, 1960  Good City Form, Kevin Lynch MIT Press, 1981  The Death and Life of Great American Cities, Jacobs, Jane Vintage Books, 1989 (1961)  The City in History: Its Origins, Its Transformations, and Its Prospects, Lewis Mumford 1961  The Architecture of the City, Rossi, Aldo MIT Press, 1984 (1962)  The Heart of Our Cities, Gruen, Victor Simon and Schuster, 1964  Team 10 Primer, Smithson, Allison MIT Press, 1968  The City Shaped: Urban Patterns and Meanings Through History, Spiro Kostof, 1991  The History of the City, Benevolo, Leonardo MIT Press, 1980 The CIAM Discourse on Urbanism, Mumford, Eric MIT Press, 2000 | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer or notebook, projection system and screen, blackboard. etc. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction: What is city? |
| 2 | Ancient Greek City |
| 3 | Roman City |
| 4 | Medieval cities |
| 5 | Renaissance city |
| 6 | Early models of city |
| 7 | Industrial revolution |
| 8 | Industrial revolution: early modern city |
| 9 | Roma |
| 10 | Paris |
| 11 | London |
| 12 | Chicago |
| 13 | New York |
| 14 | Analyzing models of industrialized cities |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Assistant Prof. Dr .Açalya Alpan **Signature**: **Date:**12.12.2022

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017437 | **COURSE NAME** | Introduction to Building Performance Simulation 481 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 7 | 3 | | 0 | 0 | | 3 | | 5 | COMPULSORY ( ) ELECTIVE (✔) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | | X | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | | Weekly | | | 30 |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | | 20 |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 50 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Today, evaluation of building energy performance became an important research area and ENERGY PERFORMANCE of BUILDINGS Directive, which defines criteria on energy efficiency in buildings became mandatory in Turkey in 2010. The course is proposed with the purpose to provide a ground of adequate knowledge to use in their professional or academic life. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Energy consumption in buildings and environmental response of building envelope and systems became an interdisciplinary research area for architects in the last three decades. Thus the aim of the course is to give an introductory knowledge to the students on how to model building performance through simulation engines. The course aims to give an introduction of the hypothetical and operational core principles of building performance assessment approach. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To get related with the interdisciplinary fields of architecture | | | | | | | | |
| **COURSE OUTCOMES** | | | | | The ability of students to integrate building physics into their design processes | | | | | | | | |
| **TEXTBOOK** | | | | | Yok | | | | | | | | |
| **OTHER REFERENCES** | | | | | * Software Tutorials * Santamouris, M. (2005). *Energy Performance of Residential Buildings.* Earthscan, London. * Baker, N. & Steemers, K. (2005). *Energy and Environment in Architecture: A Technical Design Guide.* E & FN Spon, London and New York. * Baird G. et.al. (1995). *Building Evaluation Techniques.* McGraw-Hill. * Clarke, J. (1985). *Energy Simulation in Building Design, Second Edition.* Butterworth-Heinemann * Hensen, J. (2011). *Building Performance Simulation for Design and Operation.* Spon Press * Underwood, C. & Yik, F. (2004). *Modelling Methods for Energy in Buildings.* Wiley-Blackwell * Malkawi, A. & Augenbroe, G. (2004). *Advanced Building Simulation.* Spon Press | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, Datashow, Necessary Software | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Analysis and Design – Contrasting Capabilities |
| 3 | Single Approach – Solar and Daylight Analysis (SOLAR 2 / DAYSIM) |
| 4 | Single Approach – Artificial Lighting (RADIANCE) |
| 5 | Single Approach – Thermal Bridge Analysis (KOBRA) |
| 6 | Integrated Building Performance Simulation |
| 7 | Integrated Approaches (Simple): IZODER program based on TS 825 |
| 8 | Integrated Approaches (Simple): MIT Design Advisor |
| 9 | Integrated Approaches (Moderate): Autodesk Ecotect |
| 10 | Building Energy Modeling via Autodesk Ecotect – Assignment |
| 11 | Building Energy Modeling via Autodesk Ecotect – Assignment |
| 12 | Building Energy Modeling via Autodesk Ecotect – Assignment |
| 13 | Building Energy Modeling via Autodesk Ecotect – Assignment |
| 14 | Integrated Approaches (Complex): Introduction to EDSL Tas |
| 15,16 | Building Energy Modeling via Autodesk Ecotect – Submission |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **✔** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **✔** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **✔** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **✔** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **✔** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **✔** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **✔** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **✔** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **✔** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assoc. Prof Dr. Başak Güçyeter

**Signature**: **Date:** 23.09.2022

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017445 | **COURSE NAME** | Pedestrian Spaces |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 7 | 3 | | 0 | 0 | | 3 | | 5 | ELECTIVE | English |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| X | |  | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | | 4 | 40 |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Presentations) | | | | 1 | 20 |
| **FINAL EXAM** | | | | | Presentation | | | | 1 | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | The nature of pedestrian movement; pedestrian needs; the characteristics of successful pedestrian spaces; typology of pedestrian spaces | | | | | |
| **COURSE OBJECTIVES** | | | | | To construct the link between interior and exterior spaces in an efficient way, architecture students need to understand the nature of pedestrians and pedestrian spaces, the impact of design on pedestrian movement. Therefore, this course intends to eliminate the challenges that architecture students face during the design of the exterior space. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Designing exterior space might be challenging for architecture students. The course will provide the students of architecture with an understanding of pedestrian needs and thus with lead to design better places. | | | | | |
| **COURSE OUTCOMES** | | | | | To be able to understand pedestrian needs; to learn the typology of urban open spaces; to understand the nature of pedestrian movement; to design specifically. | | | | | |
| **TEXTBOOK** | | | | | - | | | | | |
| **OTHER REFERENCES** | | | | | Banerjee, T. (2001). “The Future of Public Space: Beyond Invented Streets and Reinvented Places.” Journal of the American Planning Association, Vol. 67, No,1, pp. 9–24.Carmona, M., Magalhaes, C. & Hammond, L. (2008) Public Space: The Management Dimension (London:Routledge).Gehl, J. (1987). The Life between Buildings. New York: Van Nostrand Reinhold. The classic study of public space use and design drawn from observations of central Copenhagen.Kaplan, R., Kaplan, S., and Ryan, R. (1998). With People in Mind: Design and Management of Everyday Nature. Washington, DC: Island Press.Lynch, K. (1984). Good City Form. Cambridge: MIT PressOldenberg, R. (1999). The Great Good Place. Cambridge: Da Capo PressMadanipour, A. (2003). Public and Private Spaces of the City. London: Routledge. A useful examination of the role of public space in city development.Ward-Thompson, C. (2007). Open Space: People Space. New York: Taylor & Francis A review of contemporary research and design practice on public open spaces.Whyte, W. (2001). The Social Life of Small Urban Spaces. New York: Project for Public Spaces. | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, sound systems and necessary software for presentations. | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Information on the course |
| 2 | Street before the Industrial Revolution; Street in Modernist Movement |
| 3 | Criticism of modernism and the street |
| 4 | Human-environment relationship I |
| 5 | Human-environment relationship II |
| 6 | Walkability |
| 7 | Typology of urban open spaces |
| 8 | Design of squares |
| 9 | Design of streets |
| 10 | Relationship between the exterior space of a building and urban space |
| 11 | Urban green |
| 12 | Design of public space network |
| 13 | Discussion: Designing efficient pedestrian spaces |
| 14 | Course evaluation |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **X** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **X** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Assist.Prof.Dr. Açalya Alpan

**Signature**:            **Date:** 18.04.2019

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| **SEMESTER** | | Fall / Spring |

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| **COURSE CODE** | 152017446 | **COURSE NAME** | Building Information Modeling |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 7 | 3 | | 0 | 0 | | 3 | | 5 | COMPULSORY ( )  ELECTIVE ( x ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | |  | | | |  | x | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 3 | | | 75 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | | Homework | | | | | 1 | | | 25 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Evaluation of BIM systems, Object-based parametric modeling, Building object models, Interoperability, Databases, Concurrency control, Workflow modeling | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Effective and collaborative use of BIM systems. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | The aim of this course is to teach students how to work with architectural design in computer environment and how to collaborate with other fields (mechanical, electrical, static and plumbing). | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Learn how to use BIM, which has become the world standard, to increase students' design skills and to collaborate with other fields. | | | | | | | | |
| **TEXTBOOK** | | | | | BIM Handbook: A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers and Contractors by Chuck Eastman, Paul Teicholz, Rafael Sacks and Kathleen Liston | | | | | | | | |
| **OTHER REFERENCES** | | | | | https://www.autodesk.com/autodesk-university/au-online?facet\_product%5B%5D=urn%3Aadsk.content%3Acontent%3A99f19be4-1261-4e84-a1b3-f2b339bdbafe | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | computer, Autodesk Revit 2020 and Naviswork software. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | BIM concept and historical development. |
| 2 | Building hierarchy between building elements. |
| 3 | Define structural elements, walls, doors, windows and other building elements. |
| 4 | Relationship with DWG files. |
| 5 | To comprehend collaboration with other disciplines. |
| 6 | To define sanitary installation, domestic water and HVAC elements. |
| 7 | Organizing and creating system families |
| 8 | Organize building element information |
| 9 | Building Information Modeling Design Process1 |
| 10 | Building Information Modeling Design Process 2 |
| 11 | Building analysis 1 |
| 12 | Building analysis 1 |
| 13 | Green Building Design and Building Information Model |
| 14 | Building Information Model Production |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **x** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **x** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **x** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**

**Signature**:            **Date:**

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017438 | **COURSE NAME** | Global Cities and Architecture |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 7 | 3 | | 0 | 0 | |  | |  | COMPULSORY ( ) ELECTIVE (X ) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | | 1 | | | 30 |
| Homework | | | | | 1 | | | 40 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 30 |
| **PREREQUIEITE(S)** | | | | | Having taken or still having been taking History of Architecture Course | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | In 19th. Century, fascinating and visual apperance of Modernism occured in global cities. In course scope, city planning is dealt with global cities for last two-hundres years with approach of architectural literature.. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of course is to be understood the relation between two scales of structure which is the product of architecture, not only singularity improvement but also improvement of city and evolvement of social and cultural life. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Having knowledge to produce critical and original work in the field of built environment and human/society relationship within the framework of human-environment-behaviour | | | | | | | | |
| **COURSE OUTCOMES** | | | | | To learn historical process of the city  The birth of modern city and effects to architecture  To comprehend the structure of modern city  To learn the structure of the city and architecture  To comprehend critical and dialectical thought | | | | | | | | |
| **TEXTBOOK** | | | | | Reference books about course topics. | | | | | | | | |
| **OTHER REFERENCES** | | | | | Reference books about course topics. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Projector .Device for presentations and a laptop computer. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | First cities |
| 3 | City in premodern world |
| 4 | The birth of modern city |
| 5 | Spatial and social structure of modern city |
| 6 | London |
| 7 | Paris |
| 8 | Moscow |
| 9 | Barcelona |
| 10 | Berlin |
| 11 | New York |
| 12 | Chicago |
| 13 | Far East |
| 14 | İstanbul |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **X** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **X** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Asst. Prof.Dr. Terane MEHEMMEDOVA BURNAK

**Signature: Date:** 20.12.2014

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017453 | **COURSE NAME** | Building Regulations I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 7 | 3 | | 0 | 0 | | 3 | | 5 | COMPULSORY () ELECTIVE (X) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| %25 | | - | | | | | %75 | | | | - | - | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 40 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 60 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Throughout this course students will be able to obtain information about the laws and regulations regarding the applicability of the architectural projects formed with theoretical and practical knowledge acquired during their education. The relationship between the legislative and implementation processes of architectural construction process in our country will be discussed. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | It is aimed for students to learn which regulations they should use while designing their architectural projects and gain experience. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | It is also aimed for students to comprehend development plans, understand related construction criteria and learn which regulations they should utilize for non defined aspects of the plans. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Research-Practice | | | | | | | | |
| **TEXTBOOK** | | | | | Land Development Law 3194 | | | | | | | | |
| **OTHER REFERENCES** | | | | | Standard Land Development Regulation for Planned AreasStandard Land Development Regulation for Unplanned AreasRegulation for the Preparation of Spatial Plans | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | - | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Land Development Law 3194-Standard Land Development Regulation for Planned Areas |
| 2 | Land Development Law 3194- Standard Land Development Regulation for Unplanned Areas |
| 3 | Land Development Law 3194- Regulation for the Preparation of Spatial Plans |
| 4 | Land Development Law 3194 |
| 5 | Land Development Law 3194 |
| 6 | Land Development Law 3194 |
| 7 | Mid Term Exam |
| 8 | Land Development Law 3194 |
| 9 | Land Development Law 3194 |
| 10 | Land Development Law 3194 |
| 11 | Land Development Law 3194 |
| 12 | Land Development Law 3194 |
| 13 | Land Development Law 3194 |
| 14 | Land Development Law 3194 |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **X** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **X** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realizationin fields of architectural discipline |  | **X** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  | **X** |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Architect Didar Altuntaş

**Signature**: **Date:**

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017454 | **COURSE NAME** | Conservation Approaches |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| **7** | **3** | | 0 | 0 | | **3** | | **5** | COMPULSORY ( ) ELECTIVE (**X**) | | | | ENGLISH |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | **X** | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | **1** | | | **30** |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | **2** | | | **30** |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | **1** | | | **40** |
| **PREREQUISITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | In order to understand the conservation approaches in the historic buildings and sites the conservation background and historical developments are required. It will be drawn attention on documentation techniques, research methods, conservation approaches, intervention styles and organization forms by means of discussing and making inferences throughout written documentation on the conservation approaches. Theoretical terms will be discussed in detail.  Design approaches in conservation of historical buildings and sites as various samples in different countries and specific themes and ideas on conservation will be examining during the process of courses.  Both oral and written presentations and attendance are mandatory. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | In this course, it is expected to be able to: understand the values holding for conservation of historical site and buildings and conservation approaches in the historic buildings and sites, examine the studies and recognize the conservation approaches and ideas in the historical process, and make inferences. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Understanding the values holding by historical buildings and sites, conservation approaches, the historical process on conservation area and learning their theoretical background. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Ability to identify conservation approaches of historical buildings and site,  Ability to identify theoretical background, natural and international arrangements and organizations in conservation area, to synthesize information and to be capable of making inferences throughout written natural and international documentation on the conservation approaches.  Developing and getting awareness of conservation and [being aware of](http://tureng.com/search/be%20aware%20towards) historical buildings and sites. | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | A brief description of the conservation approaches within conceptual framework of course content, presentation and discussion of the conservation terminology such as cultural assets, monument, historical protected area and cultural heritage, restoration, and monument criteria. |
| 3 | The evaluation and discussion of the preservation criteria of cultural and natural properties. |
| 4 | Conservation theories and historical background (France, United Kingdom) |
| 5 | Conservation theories and historical background (Italy) |
| 6 | International organizations related with the future and caring of cultural assets (International Governmental Organizations, International Non-governmental Organizations, Private Organizations) |
| 7 | International organizations related with the future and caring of cultural assets (International Governmental Organizations, International Non-governmental Organizations, Private Organizations) |
| 8 | MID TERM EXAM |
| 9 | Presentation and discussion of design approaches in the conservation concepts |
| 10 | Presentation and discussion of design approaches in the conservation concepts |
| 11 | Presentation and discussion of design approaches in the conservation concepts |
| 12 | Presentation and discussion of design approaches in the conservation concepts |
| 13 | The historical background and International advances in the field of preservation of cultural assets |
| 14 | The historical background and International advances in the field of preservation of cultural assets |
| 15,16 | FINAL EXAM |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **X** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  |  | **X** |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  | **X** |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Asst. Prof. Dr. Kader Reyhan **Signature**: **Date:**

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017449 | **COURSE NAME** | Reading Architecture in Sci-Fi Literature and Animation |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 7 | 3 | | 0 | 0 | | 3 | | 4 | COMPULSORY ( )  ELECTIVE (X) | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
|  | | X | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | | 1 | 50 |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Presentations) | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | 1 | 50 |
| **PREREQUIEITE(S)** | | | | | None | | | | | |
| **COURSE DESCRIPTION** | | | | | Main focus is, analysis and criticism of spaces designed and narrated in science fiction literature and animated works of art. | | | | | |
| **COURSE OBJECTIVES** | | | | | In this Course, development in means of design and criticism by enrichments belonging to non-architectural fields is intended. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | The inputs of this course are, students are going to have stronger foundations and new motives in spatial constructions and their mental context means. | | | | | |
| **COURSE OUTCOMES** | | | | | Both understanding and developing notions like, literal space, motional space, emergent social context and futuristic view, analysis of ever-changing technology, relation between utopian and dystopian spaces and production of social technologies. | | | | | |
| **TEXTBOOK** | | | | | None | | | | | |
| **OTHER REFERENCES** | | | | | Reading List and Watch List | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Books for Literal criticism and Cinema Criticism & Analysis and any digital device that can record reflections and foundings for further use and evaluation, computer, projection device and curtain. | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Defining mainframe of basic concepts and introduction |
| 2 | Criticism and further detailed reading techniques and their relation to Architecture |
| 3 | Analysis of selected text and architectural narrative |
| 4 | Analysis of selected text and architectural narrative |
| 5 | History of science fiction literature, utopia and distopia |
| 6 | History of science fiction literature, utopia and distopia |
| 7 | Student works on architectural narrative concept |
| 8 | Student works on architectural narrative concept |
| 9 | Introduction to animation |
| 10 | Types of animation |
| 11 | Miyazaki Cinema |
| 12 | Reading the city in animations |
| 13 | Student presentation, |
| 14 | Lecture summary,  discussions on  final work |
| 15,16 | Final |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **x** |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **x** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Assist. Prof. Dr. Türkan Nihan HACIÖMEROĞLU

**Signature**: **Date:** 28.10.2021

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| **SEMESTER** | FALL |

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| **COURSE CODE** | 152017455 | **COURSE NAME** | NATURAL SYSTEMS AND LANNDSCAPE DESIGN |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 7 | 3 | | 0 | - | | 3 | | 4 | COMPULSORY | Turkısh |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| x | |  | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | | 1 | 40 |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Presentations) | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | 1 | 60 |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | Designs developed through systems coming from nature itself and protected spaces will be considered through protection and support and will be references in new designs. The aim of this new design is to establish a relationship between architecture and landscape. | | | | | |
| **COURSE OBJECTIVES** | | | | | The course aims to make the designs that will ensure the preservation and sustainability of the natural by adopting the relationship between natural ecosystem and architecture. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | It is aimed to increase students' desire to participate in interdisciplinary studies and to increase their sensory description skills. | | | | | |
| **COURSE OUTCOMES** | | | | | Increasing students' design skills, To raise awareness of the relationship of architecture with other disciplines, | | | | | |
| **TEXTBOOK** | | | | | - | | | | | |
| **OTHER REFERENCES** | | | | | All architecture, design and art magazines Architecture databases | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer for presentation and demonstration, searchlight, sound system, necessary software | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | acquaintance |
| 2 | Questioning the concept of architecture and landscape |
| 3 | Questioning the concept of natural resources |
| 4 | Readings and discussions on the conservation of nature and the function of the artificial |
| 5 | presentations |
| 6 | Strengthening sketch designs and representations |
| 7 | Student Presentations |
| 8 | Submission of Homework |
| 9 | Architecture and natural sites |
| 10 | Student Presentations |
| 11 | Discussion with a biologist |
| 12 | How is the reference collected? Definitions and reference examples |
| 13 | Student Presentations |
| 14 | Student Presentations |
| 15,16 | Final Homework |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **x** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**  Merve YAVUZ

**Signature**:            **Date:** 29.10.2021

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017452 | **COURSE NAME** | Global Cities and Architecture |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 7 | 3 | | 0 | 0 | | 3 | | 4 | COMPULSORY ( )  ELECTIVE (X ) | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
|  | | X | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | | 1 | 30 |
| Homework | | | | 1 | 40 |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (………) | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | 1 | 30 |
| **PREREQUIEITE(S)** | | | | | Having taken or still having been taking History of Architecture Course | | | | | |
| **COURSE DESCRIPTION** | | | | | In 19th. Century, fascinating and visual apperance of Modernism occured in global cities. In course scope, city planning is dealt with global cities for last two-hundres years with approach of architectural literature.. | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of course is to be understood the relation between two scales of structure which is the product of architecture, not only singularity improvement but also improvement of city and evolvement of social and cultural life. | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Having knowledge to produce critical and original work in the field of built environment and human/society relationship within the framework of human-environment-behaviour | | | | | |
| **COURSE OUTCOMES** | | | | | To learn historical process of the city  The birth of modern city and effects to architecture  To comprehend the structure of modern city  To learn the structure of the city and architecture  To comprehend critical and dialectical thought | | | | | |
| **TEXTBOOK** | | | | | Reference books about course topics. | | | | | |
| **OTHER REFERENCES** | | | | | Reference books about course topics. | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Projector .Device for presentations and a laptop computer. | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | First cities |
| 3 | City in premodern world |
| 4 | The birth of modern city |
| 5 | Spatial and social structure of modern city |
| 6 | London |
| 7 | Paris |
| 8 | Moscow |
| 9 | Barcelona |
| 10 | Berlin |
| 11 | New York |
| 12 | Chicago |
| 13 | Far East |
| 14 | İstanbul |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **X** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **X** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):**   Asst. Prof. Dr. Terane MEHEMMEDOVA BURNAK

**Signature:                                                                                                 Date:** 28.10.2021

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152017454 | **COURSE NAME** | Conservation Approaches |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| **7** | **3** | | 0 | 0 | | **3** | | **4** | ELECTIVE (**X**) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | **X** | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | **1** | | | **30** |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | **2** | | | **30** |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | **1** | | | **40** |
| **PREREQUISITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | In order to understand the conservation approaches in the historic buildings and sites the conservation background and historical developments are required. It will be drawn attention on documentation techniques, research methods, conservation approaches, intervention styles and organization forms by means of discussing and making inferences throughout written documentation on the conservation approaches. Theoretical terms will be discussed in detail. Design approaches in conservation of historical buildings and sites as various samples in different countries and specific themes and ideas on conservation will be examining during the process of courses.  Both oral and written presentations and attendance are mandatory. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | In this course, it is expected to be able to: understand the values holding for conservation of historical site and buildings and conservation approaches in the historic buildings and sites, examine the studies and recognize the conservation approaches and ideas in the historical process, and make inferences. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Understanding the values holding by historical buildings and sites, conservation approaches, the historical process on conservation area and learning their theoretical background. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Ability to identify conservation approaches of historical buildings and site, Ability to identify theoretical background, natural and international arrangements and organizations in conservation area, to synthesize information and to be capable of making inferences throughout written natural and international documentation on the conservation approaches.  Developing and getting awareness of conservation and [being aware of](http://tureng.com/search/be%20aware%20towards) historical buildings and sites. | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | | |
| **COURSE SYLLABUS** | |  |  |  |  |  |  |  |  |  |  |  |  |
| **WEEK** | **TOPICS** |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | Introduction |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | A brief description of the conservation approaches within conceptual framework of course content, presentation and discussion of the conservation terminology such as cultural assets, monument, historical protected area and cultural heritage, restoration, and monument criteria. |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | The evaluation and discussion of the preservation criteria of cultural and natural properties. |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | Conservation theories and historical background (France, United Kingdom) |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | Conservation theories and historical background (Italy) |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | International organizations related with the future and caring of cultural assets (International Governmental Organizations, International Non-governmental Organizations, Private Organizations) |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | International organizations related with the future and caring of cultural assets (International Governmental Organizations, International Non-governmental Organizations, Private Organizations) |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | MID TERM EXAM |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | Presentation and discussion of design approaches in the conservation concepts |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | Presentation and discussion of design approaches in the conservation concepts |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | Presentation and discussion of design approaches in the conservation concepts |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | Presentation and discussion of design approaches in the conservation concepts |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | The historical background and International advances in the field of preservation of cultural assets |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | The historical background and International advances in the field of preservation of cultural assets |  |  |  |  |  |  |  |  |  |  |  |  |
| 15,16 | FINAL EXAM |  |  |  |  |  |  |  |  |  |  |  |  |
| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |  |  |  |  |  |  |  |  |  |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **X** |  |  |  |  |  |  |  |  |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |  |  |  |  |  |  |  |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |  |  |  |  |  |  |  |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  |  | **X** |  |  |  |  |  |  |  |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |  |  |  |  |  |  |  |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  | **X** |  |  |  |  |  |  |  |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |  |  |  |  |  |  |  |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |  |  |  |  |  |  |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **X** |  |  |  |  |  |  |  |  |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |  |  |  |  |  |  |  |  |  |

**Instructor(s):** Asst. Prof. Dr. Kader Reyhan

**Signature**:                                                                                                         **Date:** 28.10.2021

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| **SEMESTER** | FALL |

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| **COURSE CODE** | 152017456 | **COURSE NAME** | ARCHITECTURAL OFFICE INTERNSHIP |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| **7** | **0** | | 0 | 0 | | **0** | | **2** | COMPULSORY (**X** )  ELECTIVE ( ) | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| X | |  | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (………) | | | |  |  |
| **FINAL EXAM** | | | | | REPORTING | | | | **1** | **100** |
| **PREREQUISITE(S)** | | | | | --- | | | | | |
| **COURSE DESCRIPTION** | | | | | It is an internship done as an office internship within the framework of the Internship Practice Principles of the Department of Architecture. Internship period is 30 working days. | | | | | |
| **COURSE OBJECTIVES** | | | | | To consolidate the theoretical and applied knowledge received in Undergraduate Education. To see the application of architectural knowledge received in undergraduate education in working life. | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Prepare for the realities and conditions of business life. | | | | | |
| **COURSE OUTCOMES** | | | | | Students will be able to recognize their profession as a part of education. Students will be able to reinforce their theoretical and applied knowledge. Students will be able to see the application of acquired architectural knowledge in business life. | | | | | |
| **TEXTBOOK** | | | | | --- | | | | | |
| **OTHER REFERENCES** | | | | | **---** | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | --- | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Internship applications |
| 2 | Internship applications |
| 3 | Internship applications |
| 4 | Internship applications |
| 5 | Internship applications |
| 6 | Internship applications |
| 7 | Internship applications |
| 8 | Internship applications |
| 9 | Internship applications |
| 10 | Internship applications |
| 11 | Internship applications |
| 12 | Internship applications |
| 13 | Internship applications |
| 14 | Internship applications |
| 15 | Internship applications |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **X** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Assistant Professor Kader Reyhan

**Signature**:   **Date:** 01.11.2021

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**FOURTH YEAR**

**SPRING**

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| **FOURTH YEAR SPRING** | | **TEO** | **UYG** | **KRD** | **ECTS** |
| **152018433** | Architectural Design 402 | 4 | 8 | 8 | 12 |
| 152018439 | Occupational Health and Safety II | 2 | 0 | 2 | 3 |
| 152018432 | Cities Changing with Sounds | 3 | 0 | 3 | 5 |
| 152018434 | Urban Culture and The Production of Urban Space 472 | 3 | 0 | 3 | 5 |
| 152018435 | Urban History And Theories 422 | 3 | 0 | 3 | 5 |
| 152018436 | Building Performance Simulation 482 | 3 | 0 | 3 | 5 |
| 152018437 | Advanced Architectural Design 412 | 3 | 0 | 3 | 5 |
| 152018438 | Non-Western Modernity | 3 | 0 | 3 | 5 |
| 152018440 | Building Regulations II | 3 | 0 | 3 | 5 |
| 152018441 | Design In Historic Urban Landscapes | 3 | 0 | 3 | 5 |
| 152018442 | Reading the City through Documentaries | 3 | 0 | 3 | 5 |
| 152018443 | Architecture And Narrative | 3 | 0 | 3 | 5 |
| 152018444 | Meaning and Discourse in Ancient Architecture | 3 | 0 | 3 | 5 |
| 152018445 | Rural Landscape and Architectural Graphic Design | 3 | 0 | 3 | 5 |
|  |  |  |  | **19** | **30** |

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| **SEMESTER** | Spring |

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| **COURSE CODE** | **152018433** | **COURSE NAME** | Architectural Design 402 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 8 | 4 | | 8 |  | | 8 | | 12 | COMPULSORY (X)  ELECTIVE (  ) | English |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| X | |  | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | | 1 | 45 |
| Report | | | |  |  |
| Others (3rd Mid-Term) | | | |  |  |
| **FINAL EXAM** | | | | | Project | | | | 1 | 55 |
| **PREREQUIEITE(S)** | | | | | Architectural Design 401 | | | | | |
| **COURSE DESCRIPTION** | | | | | Before the start of their professional careers the students need to develop skills in solving architectural problems with large programs such as hotels, hospitals, holiday villages, office complexes, etc. and present it as an applicable project. In order to develop these skills this course is suggested. | | | | | |
| **COURSE OBJECTIVES** | | | | | Developing the skills to solve architectural problems with large programs, presenting it as an applicable project and acquire skills of working with building groups of similar or different sized elements is aimed. | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | developing skills to use all the lectures the students have learned during their architectural education and all the design tools to reach a final product – architectural projects – | | | | | |
| **COURSE OUTCOMES** | | | | | Having advanced knowledge in design, ability to produce applicable projects by using all design tools | | | | | |
| **TEXTBOOK** | | | | | Graduation Project: Students will develop skills in solving architectural problems with large programs such as hotels, hospitals, holiday villages, office complexes, etc. The final drawing will carry the characteristics of an applicable project. They will also acquire skills of working with building groups of similar or different sized elements. | | | | | |
| **OTHER REFERENCES** | | | | | Contemporary architecture, design and art journals  Data bases  Printed publications | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Traditional and digital drawing tools and gadget, computer, projector, necessary software | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction of the project topic discussions on the program and the project area |
| 2 | Studies on concept and program, area analysis 1/1000 |
| 3 | Studies on concept and program, area analysis 1/1000 – 1/500, site plan 1/500 |
| 4 | I. Mid Jury |
| 5 | Plans – sections 1/500 |
| 6 | Plans, sections and elevations 1/500 – 1/200 |
| 7 | Plans, sections and elevations 1/200 |
| 8 | II. Mid Jury |
| 9 | Plans, sections and elevations 1/200 |
| 10 | Plans, sections and elevations 1/200, details |
| 11 | Plans, sections and elevations 1/200, details and silhouette |
| 12 | III. Mid Jury |
| 13 | Plans, sections and elevations 1/200, details and silhouette, perspective |
| 14 | Plans, sections and elevations 1/200, details and silhouette perspective |
| 15,16 | Final term jury |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **x** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **x** |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Prof. Dr. Ayşen Öztürk, Prof. Dr. Levent Şentürk, Assoc. Dr. Gökçe KETİZMEN, Assistant Professor Terane Mehemmedova BURNAK, Assistant Professor Hakan Keleş

**Signature**:            **Date:** 28.10.2021

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152018439 | **COURSE NAME** | Occupational Health and Safety II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 8 | 2 | | - | - | | 0 | | 3 | COMPULSORY (X) ELECTIVE ( ) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| 20 | |  | | | | | 60 | | | | 20 |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 40 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | | Final Work Submission | | | | | 1 | | | 60 |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Emergency plans, health and safety signs, working in high occupational health and safety, occupational health and safety in construction workplaces, repair and maintenance work on health and safety | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | One of the objective of the course is teaching the methods of the prevention of occupational accidents and diseases in workplaces | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | The aim is to protect human health and improve labor productivity by learning precautions against possible accidents and occupational diseases in the workplace. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | 1. Identify problems in the workplace to improve the existing physical conditions, define, develop alternative solutions and solve.  2. To design experiments, take measurements, analyze and interpret the results for workplace conditions (noise, heat, dust, etc.).  3. Assessment of the possible risks and the ability to develop solutions that will protect human health in the workplace. | | | | | | | | |
| **TEXTBOOK** | | | | | 1.Kahya, E., 2014, İş Güvenliği, ESOGÜ Yayın No :246, Eskişehir. | | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Yiğit, A., İş Güvenliği, 2013, Dora basım-Yayın Dağıtım Ltd. Şti, Bursa.  2. Bayır, M. ve Ergül, M., 2006, İş Güvenliği ve Risk Değerlendirme Uygulamaları, Bursa.  3. Dizdar, E.N., 2008, İş Güvenliği, 4.Baskı, Murathan Yayınevi, Trabzon. 4. Esin, A., 2006, Yeni Mevzuatın Işığında İş Sağlığı ve Güvenliği*,*  TMMO MMO Yayın No:MMO/363/2, Ankara. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, sound systems and necessary software for presentations. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Accidents at work |
| 3 | Drawing emergency plans |
| 4 | Drawing emergency plans |
| 5 | Health and safety signs |
| 6 | Health and safety signs |
| 7 | Basic safety precautions in workplaces |
| 8 | Mid Term work submission |
| 9 | Mid Term work submission |
| 10 | Occupational health and safety in high work |
| 11 | Occupational health and safety in construction work |
| 12 | Occupational health and safety in construction work |
| 13 | Occupational health and safety in maintenance work |
| 14 | Occupational safety and health signs in construction |
| 15,16 | Final work submission |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **x** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  | **x** |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **x** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **x** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Asst. Prof. Dr. Orkun Alptekin

**Signature**: **Date:** 15.07.2015

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152018432 | **COURSE NAME** | Cities Changing with Sounds |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 8 | 3 | | 0 | 0 | | 3 | | 5 | ELECTIVE | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 25 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | | 1 | | | 45 |
| **FINAL EXAM** | | | | |  | | | | |  | | |  |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Contemporary readings and observantions on sound based space and urban perception with the change in twentieth and twenty-first century music and sound arts. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | In this course, a development of pupil’s mental and audio based definitions of space is intented. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | What pupils will learn this course are, the basic and advanced concepts on analysis and criticism of sound-space relations and a mainstream and alternative development on architectural culture based upon this extensive field of knowledge. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Within the outcomes are, inspections on chanegs on urban disruptions and emergences parallel to the changes in audio-spatial relations and their analysis, criticism and premises. | | | | | | | | |
| **TEXTBOOK** | | | | | None | | | | | | | | |
| **OTHER REFERENCES** | | | | | Reading, gaming and watch list. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Books for music, production and urban readings. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Definition of basic concepts and urban reading instructions |
| 2 | Sound Arts History ( - 1900) |
| 3 | Sound Arts History (1900 - 1950) |
| 4 | Sound Arts History (1950 - 2000) |
| 5 | Distinction between sound and music (1970 - +) |
| 6 | Exemplary reding on selected city and music/sound (France) |
| 7 | Exemplary reding on selected city and music/sound (Germany) |
| 8 | Exemplary reding on selected city and music/sound (America) |
| 9 | Exemplary reding on selected city and music/sound (America) |
| 10 | Exemplary reding on selected city and music/sound (Japan) |
| 11 | Exemplary reding on selected city and music/sound (England) |
| 12 | Exemplary reding on selected city and music/sound (East Europe) |
| 13 | Exemplary reding on selected city and music/sound (South America) |
| 14 | Exemplary reding on selected city and music/sound (Turkey) |
| 15,16 | Final deadline |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **X** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **X** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **X** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Gökhan Akdeniz

**Signature**:  **Date:**

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152018434 | **COURSE NAME** | Urban Culture and The Production of Urban Space 472 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 8 | 3 | | 0 |  | | 3 | | 5 | COMPULSORY ( ) ELECTIVE (X ) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 60 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentation) | | | | | 1 | | | 40 |
| **FINAL EXAM** | | | | |  | | | | |  | | |  |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | It is not possible to think the production of urban space apart from social, cultural, economical and technological factors. This course relates architecture and the production of urban space to the definitions of culture in history. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | This course aims to synthesize cultural context of modern architecture and urban design with history. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | This course will help to create an awareness of the relation of architecture with other disciplines and improve an interdisciplinary view, before graduation. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Awareness of lifelong learning, ability to reach knowledge, ability of following developments in the field, ability to read in English, etc. | | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | | |
| **OTHER REFERENCES** | | | | | Hall. S. & Gieben, B. (eds.) (1992) Formations of Modernity, Cambridge.Mumford, L. (1958), The Culture of Cities, Harcourt, Brace and Comp., London.Ockman, J. (1993), Architecture Clture 1943-1968, Columbia Book of Architecture-Rizzoli, New York.Alexander, J. (1994) Culture and Society, Contemporary Debates, Cambridge University Press.Lefebvre, H. (1991) The Production of Space, Blackwell, Oxford.Rapoport, A. (1969) House, Form and Culture, Princeton-Hall Inc. London.Rapoport, A. (2005) Culture, Architecture and Design, Locke Science Publishing Comp., Inc., Chicago, Illinois.Habermas, J. (1995) The Structural Transformation of the Public Space, MIT Press.Simmel, G. (1997) “Metropol ve Zihinsel Yaşam”, Cogito: Kent ve Kültürü, Yapı Kredi Yayınları, Istanbul.Virilio, P. (1986) Speed and Politics, New York: Columbia University.Soja, E. (1989) Postmodern Geographies, London, New York, Verso.Tschumi, B. (1994) Event Cities, MIT Press, Cambridge, Mass.Koolhaas, R.(1994) Delirious New York, Monacelli Press, New York. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Related articles, book sections and etc. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction to definitions of culture: Bocock, R. “The Cultural Formations of Modern Society” |
| 2 | Society, culture and built environment relations: Rapoport, A. Theory of House - Form |
| 3 | Culture and production of space: Heidegger, M. “Notions of Dwelling” |
| 4 | Culture and production of space: Norberg-Schulz, C. Genius Loci |
| 5 | Culture and production of space: Rapoport, A. “Meaning and Built Environment” |
| 6 | Urban culture, civilization, enlightenment, development: Schech, S. & Haggis, J. Culture and Development |
| 7 | Metropolis: Simmel, G. “Metropolis and Mental Life” |
| 8 | The City as an Object of Cultural Studies : Alexander, J. Culture and Society |
| 9 | The Culture of City: Mumford, L. The Culture of Cities |
| 10 | Transformation of Urban Space: Habermas, J. The Structural Transformation of the Public Space |
| 11 | The Social Production of Urban Space: Lefebvre, H. “Right to the City” |
| 12 | The City as the Space of Manifestations: Virilio, P. Speed and Politics. |
| 13 | Contemporary Discussions on Urban Space: Soja, E. Postmodern Geographies |
| 14 | Contemporary Discussions on Urban Space: Tschumi, B. Event Cities |
| 15,16 | Contemporary Discussions on Urban Space: Koolhaas, R. Delirious New York |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **X** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **X** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Prof. Dr. Ayşe Duygu Kaçar

**Signature**: **Date:** 5.10.2022

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152018435 | **COURSE NAME** | Urban History and Theories 422 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 8 | 3 | | 0 | 0 | | 3 | | 5 | COMPULSORY ( ) ELECTIVE (x ) | | | | ENGLISH |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | | 1 | | | 30 |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Examination of a range of urban spatial types, city plans, maps, and communication networks of the cities in the 20th and 21th centuries. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Studies of the contemporary problems and process of urban design and physical planning. Analysis of the design and organization of space, activities, movement, and interaction networks of the urban physical environment. The course encourages students to think about metropolitan centers in all their complexity as physical spaces, social, cultural, political, and economic nexuses, and historical artifacts. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To understand urban as one of the fundamental contexts of architecture | | | | | | | | |
| **COURSE OUTCOMES** | | | | | To understand urban structurally and formally; gain awareness about structural elements and histories of the cities. | | | | | | | | |
| **TEXTBOOK** | | | | | Kotkin, J. 2006. The City: A Global History. New York, NY: Modern Library. (pp. 97-108).  Howard, E. 1898. “Author’s Introduction” and “The Town-Country Magnet.” In The City Reader: 4Th Edition, LeGates, R.T. and F. Stout (Eds.). New York, NY: Routledge. (pp. 314-321).  Hall, P. 2002. “Cities of Imagination.” In Cities of Tomorrow: An Intellectual History of Urban Planning and Design in the Twentieth Century. Oxford, UK: Blackwell. (pp. 2-12).  Macionis, J.J. and V.N. Parrillo. 2007. “Urban Sociology: Classic and Modern Statements.” In Cities and Urban Life: 4th Edition. Upper Saddle River, NJ: Pearson/Prentice-Hall. (pp. 125-153).  Parker, S. 2004. “The Foundations of Urban Theory: Weber, Simmel, Benjamin, and Lefebvre.” In Urban Theory and the Urban Experience: Encountering the City. New York, NY: Routledge. (pp. 8-26).  Peterson, J.A. 2003. “Opportunistic Interventionism.” In The Birth of City Planning in the United States,  Burgess, E.W. 1925. “The Growth of the City.” In The City Reader: 4Th Edition, LeGates, R.T. and F. Stout (Eds.). New York, NY: Routledge. (pp. 150-157). 40-1917. Baltimore, MD: Johns Hopkins Press.  LeCorbusier. 1929. “A Contemporary City.” In The City Reader: 4th Edition, LeGates, R.T. and F. Stout (Eds.). New York, NY: Routledge. (pp. 322-330).  Wright, F.L. 1935. “Broadacre City: A New Community Plan.” In The City Reader:4 th Edition, LeGates, R.T. and F. Stout (Eds.). New York, NY: Routledge. (pp. 331-336).  Kennedy D.M. 2009. “What the New Deal Did.” Political Science Quarterly. 124 (2): 251-268. 290-317).  Beauregard, R.A. 2001. “Federal Policy and Postwar Urban Decline: A Case of Government Complicity?” Housing Policy Debate. 12 (1): 129-151.  Moses, R. 1945. “Slums and City Planning.” The Atlantic Monthly. 175 (1): 63-68.  Teaford, J. 2000. “Urban Renewal and Its Aftermath.” Housing Policy Debate. 11 (2): 443-465  Goldsmith, W.W. and E.J. Blakely. 2010. “Separate Places: The Changing Shape of the American Metropolis.” In Separate Societies: Poverty and Inequality in U.S. Cities, 2nd Edition. Philadelphia, PA: Temple University Press. (pp. 108-148).  Dear, M.J. and S. Flusty. 1998. “Postmodern Urbanism.” Annals of the Association of American Geographers. 88 (1): 50-72  Gordon, P. and H.W. Richardson. 2001. “The Sprawl Debate: Let Markets Plan.” Publius: The Journal of FEllis, C. 2002. “The New Urbanism: Critiques and Rebuttals.” Journal of Urban Design. 7 (3): 261-291.  Downs, A. 2005. “Smart Growth: Why We Discuss It More than We Do It.” Journal of the American Planning Association. 71 (4): 367-380.  Castells, M. 1989. “The Informational Mode of Development and the Restructuring of Capitalism.” In Readings in Urban Theory, Fainstein, S.S. and S. Campbell (Eds.). Cambridge, MA: Blackwell. (pp. 72-101).  Sassen, S. 2001. “The Impact of the New Technologies and Globalization on Cities.” In The City Reader: 4th Edition, LeGates, R.T. and F. Stout (Eds.). New York, NY: Routledge. (pp. 197-205).  Sassen, S. 1995. “The Global City: Place, Production, and the New Centrality.” In Continuity & Transformation: The Promise of Confluence. Proceedings of the 7th National Conference of the Association of College and Research Libraries, Pittsburgh, Pennsylvania, March19-April 1, 1995.  AmRhein, R. (Ed.). Chicago, IL: Association of College and Research Libraries. (pp. 3-14)  Kleniewski, N. 2002. “Immigrants and the City.” In Cities, Change, and Conflict: 2nd Edition. Belmont,  CA: Wadsworth Thomson Learning. (pp. 173-195)  Newman, P., T. Beatley, and H. Boyer. 2009. “Climate Change and Peak Oil: The Double Whammy for Resource-Intensive Cities.” In Resilient Cities: Responding to Peak Oil and Climate Change.  Campbell, S. 1996. “Green Cities, Growing Cities, Just Cities? Urban Planning and the Contradictions of Sustainable Development.” Journal of the American Planning Association. 62 (3): 296-312. | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer or notebook, projection system and screen, blackboard. etc. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Problems of the Industrial City |
| 2 | Foundations of Urban Theory |
| 3 | Urban Planning as an Emerging Profession |
| 4 | Urban Growth and Regional Planning |
| 5 | Modernism and the New Deal |
| 6 | Post-WWII Suburbanization |
| 7 | Segregation and Urban Poverty |
| 8 | Postmodernism and the Planning Profession |
| 9 | Reviving the Urban Core |
| 10 | Urban Sprawl |
| 11 | New Urbanism and Smart Growth |
| 12 | The Knowledge Economy and Information Revolution |
| 13 | Immigration and Globalization |
| 14 | Sustainability and Emerging Challenges |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Prof. Dr. Hakan Anay

**Signature**: **Date:**12.12.2022

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152018436 | **COURSE NAME** | Building Performance Simulation 482 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 8 | 3 | | 0 | 0 | | 3 | | 5 | COMPULSORY ( ) ELECTIVE (✔) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | |  | | | | | X | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | | Weekly | | | 40 |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 60 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Today, evaluation of building energy performance became an important research area and ENERGY PERFORMANCE of BUILDINGS Directive, which defines criteria on energy efficiency in buildings became mandatory in Turkey in 2010. The course is proposed with the purpose to provide a ground of adequate knowledge to use in their professional or academic life. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Energy consumption in buildings and environmental response of building envelope and systems became an interdisciplinary research area for architects in the last three decades. Thus the aim of the course is to teach students on how to model building performance through simulation. The course aims to focus on a more specific simulation tool: EDSL Tas. EDSL Tas is a dynamic simulation tool that predicts hourly performance profiles, due to tracing thermal state of the building through a series of hourly “snapshots”, providing the user with detailed picture of how the building will perform at any given design conditions. The utilization of the software with the purposes of performance evaluation, energy consumption prediction, selection of HVAC systems is taught throughout the course. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To get related with the interdisciplinary fields of architecture | | | | | | | | |
| **COURSE OUTCOMES** | | | | | The ability of students to integrate building physics into their design processes | | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | | |
| **OTHER REFERENCES** | | | | | * EDSL Tas Tutorial * Santamouris, M. (2005). *Energy Performance of Residential Buildings.* Earthscan, London. * Baker, N. & Steemers, K. (2005). *Energy and Environment in Architecture: A Technical Design Guide.* E & FN Spon, London and New York. * Baird G. et.al. (1995). *Building Evaluation Techniques.* McGraw-Hill. * Clarke, J. (1985). *Energy Simulation in Building Design, Second Edition.* Butterworth-Heinemann * Hensen, J. (2011). *Building Performance Simulation for Design and Operation.* Spon Press * Underwood, C. & Yik, F. (2004). *Modelling Methods for Energy in Buildings.* Wiley-Blackwell * Malkawi, A. & Augenbroe, G. (2004). *Advanced Building Simulation.* Spon Press | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, Datashow, Necessary Software | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction EDSL Tas – Overview of the Software Modules |
| 2 | Building Designer Module – 3D modeling in EDSL Tas: Definition of Geometry and Zoning |
| 3 | Building Designer Module – 3D modeling in EDSL Tas: Definition of Constructions |
| 4 | Building Simulator Module – Building Information, Integration of Weather Data |
| 5 | Building Simulator Module – Definition of Building Elements |
| 6 | Building Simulator Module – Definition of Schedules |
| 7 | Building Simulator Module – Definition of Internal Conditions |
| 8 | Building Simulator Module – Definition of Shading Elements |
| 9 | Building Simulator Module – Simulation |
| 10 | Results Viewer – Interpretation of Simulation Results |
| 11 | Using Macros – HVAC Plant Sizing |
| 12 | Using Macros – Performance Assessment |
| 13 | Enhancing Building Performance – Proposing Retrofit Options via Simulation |
| 14 | Enhancing Building Performance – Proposing Retrofit Options via Simulation |
| 15,16 | Enhancing Building Performance – Proposing Retrofit Options via Simulation |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **✔** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **✔** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **✔** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **✔** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **✔** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  | **✔** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **✔** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **✔** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **✔** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assoc.Prof. Dr. Başak Güçyeter

**Signature**: **Date:** 23.09.2022

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152018437 | **COURSE NAME** | Advanced Architectural Design 412 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 8 | 3 | | 0 | 0 | | 3 | | 5 | COMPULSORY ( ) ELECTIVE ( X) | | | | ENGLISH |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | x | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | | 4 | | | 15 |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The course is to make architectural projects on the complex environments such as the urban context. It includes readings and research subjects. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To make architectural design in the urban context | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | To develop tools for dealing with the advanced type of architectural design problems | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Advanced and contemporary design knowledge and skills | | | | | | | | |
| **TEXTBOOK** | | | | | Architecture and Disjunction, The MIT Press., 1996, Bernard Tschumi  Delirious New York: A Retroactive Manifesto for Manhattan, The Monacelli Press,1978, Rem Koolhaas  S, M,L, XL, 010 Publishers, Rotterdam, Rem Koolhaas  Event-Cities : (Praxis), The MIT Press., 1994, Bernard Tschumi  Event-Cities 2, The MIT Press., 2001, Bernard Tschumi  Event-Cities 3: Concept vs. Context vs. Content, The MIT Press., 2005, Bernard Tschumi Event-Cities 4: Concept-Form, The MIT Press., 2010, Bernard Tschumi | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer or notebook, projection system and screen, blackboard. etc. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Readings, analyses and presentations |
| 2 | Readings, analyses and presentations |
| 3 | Readings, analyses and presentations |
| 4 | Readings, analyses and presentations |
| 5 | Readings, analyses and presentations |
| 6 | Introduction to the project |
| 7 | Development of the project table critique and presentations |
| 8 | Development of the project table critique and presentations |
| 9 | Development of the project table critique and presentations |
| 10 | Development of the project table critique and presentations |
| 11 | Development of the project table critique and presentations |
| 12 | Development of the project table critique and presentations |
| 13 | Development of the project table critique and presentations |
| 14 | Finalizing the projects and presentations |
| 15,16 | Finalizing the projects and presentations |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Prof. Dr. Hakan Anay

**Signature**: **Date:** 12.12.2022

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152018438 | **COURSE NAME** | Non-Western Modernity |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 8 | 3 | | 0 | 0 | |  | |  | ELECTIVE | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | | 1 | | | 30 |
| Homework | | | | | 1 | | | 40 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 30 |
| **PREREQUIEITE(S)** | | | | | Having taken or still having been taking History of Architecture Course | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Modernisation and the dialectics of modernism, basic concepts, modernisation and quantization, postmodernity: art and architecture, globalisation and the city. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Comprehension of the concept of modernity as a whole. Describing the relationship between modernization and modernism over city, architecture and art. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Non-Western Architecture: Understanding of parallel and divergent canons and traditions of architecture, landscape and urban design from the Non-Western hemispheres in terms of their climatic, ecological, technological, socioeconomic, public health and cultural factors. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Ability for critical thinking  Improvement of reading and writing skills  Having a holistic concept of modernity  Understanding the relationship between modernization and modernism  Acquisition of knowledge about the main architectural buildings of modernism | | | | | | | | |
| **TEXTBOOK** | | | | | Reference books about course topics. | | | | | | | | |
| **OTHER REFERENCES** | | | | | Reference books about course topics. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Projector device for presentations and a laptop computer. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Modernisation and the Dialectics of Modernism |
| 3 | Modernity: Basic Concepts |
| 4 | Modernisation and Quantization |
| 5 | Modernisation and the City |
| 6 | Urban modernisation of Moscow |
| 7 | Urban modernisation of Pekin |
| 8 | Urban modernisation of Shanghai |
| 9 | Modernisation of Turkey: Istanbul - Ankara |
| 10 | Introduction to Postmodernity |
| 11 | Postmodernity: Basic Concepts |
| 12 | Postmodernity: Art and Architecture |
| 13 | Globalisation and the City |
| 14 | Globalisation and the City |
| 15,16 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **X** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **X** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **X** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Asst. Prof.Dr. Terane MEHEMMEDOVA BURNAK

**Signature**  **Date:** 20.12.2022

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| **SEMESTER** | SPRING |

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| **COURSE CODE** | 152018440 | **COURSE NAME** | Building Regulations II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 8 | 3 | | 0 | 0 | | 3 | | 5 | COMPULSORY () ELECTIVE (X) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| %25 | | - | | | | | %75 | | | | - | - | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 40 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (………) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | 60 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Within the course legal framework examples that may be encountered during architectural project design process will be examined and possible problems and solutions will be analyzed. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Students will learn which processes are necessary for licensing and how to get certificate for occupancy permit. It is also aimed to improve students’ knowledge on condominium laws. | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Teaching students to solve the problems during practice in relation with regulations will benefit them during architectural design process. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Research  Interpretation  Development | | | | | | | | |
| **TEXTBOOK** | | | | | 3194 Land Development Law634 Condominium Law4708 Supervision of Construction Works Law2942 Expropriation LawRegulations | | | | | | | | |
| **OTHER REFERENCES** | | | | | Regulations | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Practice examples | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | 3194 Land Development Law |
| 2 | 634 Condominium Law |
| 3 | 4708 Supervision of Construction Works Law |
| 4 | 2942 Expropriation Law |
| 5 | Regulations |
| 6 | Regulations |
| 7 | Mid Term Exam |
| 8 | Regulations |
| 9 | Regulations |
| 10 | Regulations |
| 11 | Regulations |
| 12 | Regulations |
| 13 | Regulations |
| 14 | Regulations |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **X** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  | **X** |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **X** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  |  | **X** |
| 6 | Improve methods of creative thinking and realizationin fields of architectural discipline |  | **X** |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  | **X** |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**Instructor(s):** Architect Didar Altuntaş

**Signature**: **Date:**

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| **SEMESTER** | Fall |

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| **COURSE CODE** | 152018441 | **COURSE NAME** | Design in Historic Urban Landscape |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 8 | 3 | | 0 | 0 | | 3 | | 5 | ELECTIVE | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
| X | |  | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Discussion | | | | | 1 | | | 30 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | | 1 | | | 30 |
| **FINAL EXAM** | | | | | Final Discussion | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | UNESCO’s Historic Urban Landscape (HUL) concept and approach; investigation and evaluation of diverse design examples; development of design criteria. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aims of the course are architecture students’ comprehension of UNESCO’s Historic Urban Landscape (HUL) concept and approach, bringing the students in developing, guiding or evaluating design in these sites. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Gaining the ability to manage and guide design in geographies rich in cultural heritage such as Anatolia. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Understanding UNESCO’s urban conservation approach, appreciating stratified towns and gaining the ability to control development and design in these sites. | | | | | | | | |
| **TEXTBOOK** | | | | | Bandarin, Francesco, and Van Oers, Ron (2012). The Historic Urban Landscape – Managing Heritage in an Urban Century, Wiley-Blackwell Publishers: Oxford. | | | | | | | | |
| **OTHER REFERENCES** | | | | | Bandarin, Francesco, and Van Oers, Ron (2014). (Eds.), Reconnecting the City: The Historic Urban Landscape Approach and the Future of Urban Heritage. Wiley-Blackwell. | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, sound systems and necessary software for presentations. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Information on the course |
| 2 | Urban conservation before the concept and approach of Historic Urban Landscape (HUL) I |
| 3 | Urban conservation before the concept and approach of Historic Urban Landscape (HUL) II |
| 4 | Heading to landscape concept |
| 5 | Development of the HUL approach I |
| 6 | Development of the HUL approach II |
| 7 | Cultural dimension I |
| 8 | Cultural dimension I |
| 9 | Discussion |
| 10 | Morphological dimension |
| 11 | HUL and urban design I |
| 12 | HUL and urban design I |
| 13 | Student presentations I: design in built environment in historic town centers |
| 14 | Student presentations II: design in industrial heritage sites |
| 15,16 | Student presentations III: design in urban archaeological sites |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **X** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **X** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assist.Prof.Dr. Açalya Alpan

**Signature**:  **Date:** 5.04.2018

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152018442 | **COURSE NAME** | Reading the City through Documentaries |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 8 | 3 | | 0 | 0 | | 3 | | 4 | ELECTIVE | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | 30 |
| 2nd Mid-Term | | | | | 1 | | | 30 |
| Practice | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Participation | | | | | 10 | | | 10 |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | | Final | | | | | 1 | | | 30 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Discussing issues such as the history of urban design, planning and conservation; problems of contemporary cities; best practices on planning, conservation and design, through documentaries. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | It is aimed to enhance the students’ knowledge on diverse urban issues through discussions on related documentaries. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Observing and discussing on urban issues from different lenses would provide the student, a candidate of architect, with a wider vision on cities. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | To be able to analyse the city from different lenses. | | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, sound systems and necessary software for the displays. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Information on the course |
| 2 | Urban History: Underground Cities, İstanbul |
| 3 | Urban History: We Build This City, New York |
| 4 | Urban Design: Urbanised |
| 5 | Urban Design: The Pruitt-Igoe Myth |
| 6 | 1st Mid-term |
| 7 | Urban Design: The Life of Small Urban Spaces |
| 8 | Urban Design Discussion |
| 9 | Urban Transformation Discussion |
| 10 | Commercial Areas: From Bedesten to Shopping Mall |
| 11 | 2nd Mid-term |
| 12 | Industrial Heritage: Battersea Power Station |
| 13 | Urban Design: Seoul |
| 14 | Urban Design: The Radiant City |
| 15,16 | Resilient City: The Big Uneasy |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **X** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **X** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **X** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **X** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **X** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **X** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **X** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assist.Prof.Dr. Açalya Alpan

**Signature**:  **Date:**

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152018443 | **COURSE NAME** | Architecture and Narrative |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 8 | 3 | | - | - | | 3 | | 5 | COMPULSORY () ELECTIVE (X) | | | | English |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | X | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | |  | | |  |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | | 1 | | | 60 |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | | Final Work Submission | | | | | 1 | | | 40 |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The aim is to question narrative concept which is an important input of architectural design process and to develop the discussions through the perception of space both in design process and in representation of architecture. | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Students should inquire about narrative concept and its relation to design process. Along with perception of the concept, it is aimed to investigate the narrative methods and tools and study narrative on spatial perception. | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | It is aimed to increase students' ability of thinking about architectural design processes and questioning concept of narrative. | | | | | | | | |
| **COURSE OUTCOMES** | | | | | Increasing the design abilities of students, Increasing the awareness of the relationship between architecture and other disciplines, | | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | | |
| **OTHER REFERENCES** | | | | | All architecture, design and art journalsArchitecture data bases | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, sound systems and necessary software for presentations. | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | What is narrative |
| 3 | Discussions on architecture and narrative |
| 4 | Narrative as part of architectural design process |
| 5 | Narrative in other art forms |
| 6 | Student presentations (Case study) |
| 7 | Discussions on architectural narrative of known works |
| 8 | Discussions on architectural narrative of known works |
| 9 | Mid Term work submission and discussions |
| 10 | Space, Perception and Narrative |
| 11 | Architecture, Representation and Narrative |
| 12 | Architecture as part of narrative in different media |
| 13 | Student presentations |
| 14 | Student presentations |
| 15 | Final work submission |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  | **x** |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  | **x** |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **x** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assit. Prof. Dr. Türkan Nihan Hacıömeroğlu

**Signature**: **Date:** 18.12.2022

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| **SEMESTER** | FALL |

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| **COURSE CODE** | 152018445 | **COURSE NAME** | RURAL LANDSCAPE AND ARCHITECTURAL GRAPHIC DESIGN |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| 8 | 3 | | 0 | 0 | | 3 | | 5 | COMPULSORY | Turkısh |
| **COURSE CATAGORY** | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | **Structures in Architecture** | **Computer Aided Design** |
| x | |  | | | | |  | |  |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | |  |  |
| 2nd Mid-Term | | | |  |  |
| Quiz | | | |  |  |
| Homework | | | | 1 | 40 |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (Presentations) | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | 1 | 60 |
| **PREREQUIEITE(S)** | | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | It is aimed to make designs that will provide the connection between landscape architecture, rural landscape and city. Representation techniques of these designs will be discussed in the classroom and aimed to be original. The use of sketch books will be compulsory and practical applications of hand drawing and quick design thinking will be made. | | | | | |
| **COURSE OBJECTIVES** | | | | | The course aims to provide an understanding of the relationship between natural ecosystem and architecture and their representations. | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | It is aimed to increase students' desire to participate in interdisciplinary studies and to increase their sensory description skills. | | | | | |
| **COURSE OUTCOMES** | | | | | Increasing students' design skills, To raise awareness of the relationship of architecture with other disciplines, | | | | | |
| **TEXTBOOK** | | | | | - | | | | | |
| **OTHER REFERENCES** | | | | | All architecture, design and art magazines Architecture databases | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer for presentation and demonstration, searchlight, sound system, necessary software | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | acquaintance |
| 2 | Questioning the concept of architecture and landscape |
| 3 | Questioning the concept of rural landscape |
| 4 | Rural and urban transitions |
| 5 | presentations |
| 6 | Strengthening sketch designs and representations |
| 7 | Student Presentations |
| 8 | Submission of Homework |
| 9 | Landscape architecture, architecture and graphic representation techniques |
| 10 | Student Presentations |
| 11 | Main components of rural landscape and sketches |
| 12 | How is the reference collected? Definitions and reference examples |
| 13 | Student Presentations |
| 14 | Student Presentations |
| 15,16 | Final Homework |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form | **x** |  |  |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study | **x** |  |  |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns | **x** |  |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature | **x** |  |  |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. |  | **x** |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline | **x** |  |  |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results |  |  | **x** |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):**   Merve Yavuz

**Signature**:            **Date:**

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| **SEMESTER** | Spring |

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| **COURSE CODE** | 152018444 | **COURSE NAME** | Meaning and Discours in Ancient Architecture |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | | **LANGUAGE** |
| 8 | 3 | | 0 | 0 | | 3 | | 5 | COMPULSORY ( ) ELECTIVE (x ) | | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Architectural Design** | | **History, Theory and Criticism of Art and Architecture** | | | | | **Building Science and Technology** | | | | **Structures in Architecture** | **Computer Aided Design** | |
|  | | x | | | | |  | | | |  |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | | **%** |
| 1st Mid-Term | | | | | 1 | | | %50 |
| 2nd Mid-Term | | | | |  | | |  |
| Quiz | | | | |  | | |  |
| Homework | | | | |  | | |  |
| Project | | | | |  | | |  |
| Report | | | | |  | | |  |
| Others (Presentations) | | | | |  | | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | | %50 |
| **PREREQUIEITE(S)** | | | | | -------------- | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Teaching to Ancient Architecture within different examples, periods and geographies | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Wins in the ancient architectural fundamentals of architecture students | | | | | | | | |
| **CONTRIBUTION OF COURSE TOWARDS PROVIDING PROFESSIONAL EDUCATION** | | | | | Teaching the concept of architectural continuity and basic examples of architecture | | | | | | | | |
| **COURSE OUTCOMES** | | | | |  | | | | | | | | |
| **TEXTBOOK** | | | | | In attached | | | | | | | | |
| **OTHER REFERENCES** | | | | | In attached | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Screen, Projection Machine (Data-show), Computer | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Architecture and Concept in Architecture |
| 2 | Origins Problem of Ancient Greek Architecture |
| 3 | Architectural Analyzes in Ancient Sources |
| 4 | Thoughts of the Power in Kosmos's Doorstep |
| 5 | Meaning and Their Reflection to Architecture by Ancient Greek Religion |
| 6 | Political economy and Discours in Temenos |
| 7 | Architectural Situations and Hierarchy |
| 8 | Transformation of Meaning in Buildings since creation to Symbol |
| 9 | The Reasons for the Structural Forms to Sign Chains in Greek Architecture and the Philosophical Production |
| 10 | Platon’s dualism and Singular Masses |
| 11 | Discours of the Things what Visible and Communicable in Ancient Greek Architecture |
| 12 | Fixed Meaning and Multiple Fictions in Architecture |
| 13 | Iktinos and Mixed of Orders |
| 14 | Pytheos, Hermogenes and Ionian Renaissance |
| 15,16 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Interrelate the local and the universal within the processes of design and planning of space, and built form |  |  | **x** |
| 2 | Identify and formulate problems, along with the generation and interpretation of knowledge relevant to the discipline, social and cultural contexts under study |  |  | **x** |
| 3 | Increase technical know-how, aesthetic sensibilities and moral concerns |  | **x** |  |
| 4 | Ensure specialization in key areas of interdisciplinary nature |  |  | **x** |
| 5 | Improve quality of research and design at every scale of person-environment interaction, with special emphases on energy, housing and settlement forms -both those that refer to our cultural heritage and those of a universal kind. | **x** |  |  |
| 6 | Improve methods of creative thinking and realization in fields of architectural discipline |  |  | **x** |
| 7 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| 9 | Knowledge of actual problems and effects of architectural and engineering applications on health, environment and security in global and social scale; an awareness of juridical results | **x** |  |  |
| **1**:None. **2**:Partial contribution. **3**: Complete contribution. | | | | |

**Instructor(s):** Assistant Professor Terane Mehemmedova Burnak

**Signature**:  **Date:**