**ARCHITECTURE MSc PROGRAMME**

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| --- | --- | --- | --- | --- | --- | --- |
| **First Year** | | | | | | |
| **I. Semester** | | | | | | |
| Code | Course Title | ECTS | T+P | Credit | C/E | Language |
| 501011101 | [THE SCIENTIFIC RESEARCH METHODS AND ITS ETHICS](#EN22) | 7.5 | 3+0 | 3 | **C** | Turkish |
| 504002522 | [ADVANCED ARCHITECTURAL RESEARCH METHODS](#EN1) | 7.5 | 3+0 | 3 | **C** | Turkish |
|  | Elective Course-1 | 7.5 | 3+0 | 3 | E | Turkish |
|  | Elective Course-2 | 7.5 | 3+0 | 3 | E | Turkish |
|  | Total of I. Semester | 30 |  | 12 |  |  |
| **II. Semester** | | | | | | |
| Code | Course Title | ECTS | T+P | Credit | C/E | Language |
|  | Elective Course-3 | 7.5 | 3+0 | 3 | E | Turkish |
|  | Elective Course-4 | 7.5 | 3+0 | 3 | E | Turkish |
|  | Elective Course-5 | 7.5 | 3+0 | 3 | E | Turkish |
| 504002001 | Seminar | 7.5 | 0+1 | - | **C** | Turkish |
|  | Total of II. Semester | 30 |  | 9 |  |  |
|  | TOTAL OF FIRST YEAR | 60 |  | 21 |  |  |

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| **Second Year** | | | | | | | | |
| **III. Semester** | | | | | | | | | |
| Code | Course Title | | ECTS | | T+P | Credit | C/E | Language |
| 504001702 | MSc THESIS STUDY | | 25 | | 0+1 | - | **C** | Turkish |
| 504001703 | SPECIALIZATION FIELD COURSE | | 5 | | 3+0 | - | **C** | Turkish |
|  | | Total of III. Semester | 30 |  | |  |  |  | |
| **IV. Semester** | | | | | | | | | |
| Code | | Course Title | ECTS | T+P | | Credit | C/E | Language | |
| 504001702 | | MSc THESIS STUDY | 25 | 0+1 | | - | **C** | Turkish | |
| 504001703 | | SPECIALIZATION FIELD COURSE | 5 | 3+0 | | - | **C** | Turkish | |
|  | | Total of IV. Semester | 30 |  | |  |  |  | |
|  | | TOTAL OF SECOND YEAR | 60 |  | |  |  |  | |

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| **Elective Courses** | | | | | | |
| Code | Course Title | ECTS | T+P | Credit | C/E | Language |
| 504002519 | [ACCESSIBILITY IN HISTORICAL ENVIRONMENTS](#EN30) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001508 | [ADVANCED ARCHITECTURAL DESIGN STUDIO I](#EN3) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002501 | [ADVANCED ARCHITECTURAL DESIGN STUDIO II](#EN4) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002524 | [ADVANCED ARCHITECTURAL STUDIES](#EN17) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001515 | [ADVANCED URBAN STUDIES I](#EN14) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002521 | [ADVANCED URBAN STUDIES II](#EN15) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002503 | [ANALYSIS OF THE RESIDENTIAL TYPOLOGIES IN TURKEY](#EN19) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001512 | [ARCHITECTURAL RESEARCH METHODS I](#EN8) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002525 | [ARCHITECTURE AND CRITICISM](#EN23) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001519 | [ARCHITECTURE AND LITERATURE](#EN20) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001518 | [ARCHITECTURE AND PHILOSOPHY](#EN21) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002526 | [ARCHITECTURE AND PLAY](#EN24) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001511 | [BUILDING ENVELOPE DESIGN](#EN6) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002528 | [CLIMATE CHANGE AND DESIGN](#EN26) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001516 | [CONTEMPORARY ISSUES IN ARCHITECTURE](#EN16) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001513 | [CREATIVE THINKING IN ARCHITECTURAL DESIGN 1](#EN9) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002523 | [CURRENT DEBATES IN ARCHITECTURE](#EN5) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002533 | [Occupant Behavior in Buildings](#EN35) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001514 | [DESIGN PRINCIPLES FOR WAYFINDING TO URBAN/PUBLICSPACE](#EN12) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002520 | [DESIGN PRINCIPLES FOR WAYFINDING TO URBAN/PUBLICSPACE II](#EN13) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002517 | [DISCOURSES IN SUSTAINABLE ARCHITECTURE](#EN18) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002502 | [EARTHQUAKE RESISTANT BUILDING DESIGN AND MATERIALS](#EN10) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002508 | [FORMATION IN ARCHITECTURE](#EN11) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001524 | [HISTORIC URBAN LANDSCAPE](#EN28) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001510 | [HISTORICAL BUILDING TYPES](#EN7) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001520 | [INTRODUCTION TO PROJECT AND CONSTRUCTION MANAGEMENT](#EN25) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001523 | [NARRATIVE AND ARCHITECTURE](#EN29) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001522 | [ORGANIZATION OF ARCHITECTURE FROM THE OTTOMAN](#EN27) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002529 | [The Relation between Public Space and Architecture](#EN33) | 7.5 | 3+0 | 3 | E | Turkish |
| 504001526 | [Computational Design](#EN34) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002530 | [Special Topics in Computational Design](#EN31) | 7.5 | 3+0 | 3 | E | Turkish |
| 504002531 | [Reading Architecture: Tools and Modes of Representation](#EN32) | 7.5 | 3+0 | 3 | E | Turkish |

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

|  |  |  |  |
| --- | --- | --- | --- |
| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Advanced Architectural Research Methods |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 5 | COMPULSORY  ( x ) | | ELECTIVE  (   ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| 2 | |  | | | | 1 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 3 | | 60 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | |  | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | This course for MSc in Architecture aims to introduce the definition of knowledge, acquisition and production of knowledge. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Concept of research, its types and techniques, various approach to research problem. Quantitative and qualitative research. Problem definition and objective statement of research, stating hypothesis, research design, content, procedures, and time planning of research | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Alternative research strategies and research to the student of architecture spread over a wide range of research methods into the more simple ones to complex techniques, aimed to identify in a systematic manner. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | At the end of this course, students will learn how to produce scientific knowledge.  Students will have the knowledge of how to access basic database, information through the use of libraries.  Students achieve the skill to analysis, synthesis and discussion of a scientific topic.  Studients will acquire writing skills for academic papers. | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | |
| **OTHER REFERENCES** | | | | | Reading list will be provided by instructors | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Standards of Reseacrh Quaility |
| 3 | Literature Review |
| 4 | Theory in Relation to Method |
| 5 | Research Strategies - Interpretive- historical research |
| 6 | Midterm Examination 1 |
| 7 | Oualitative Research |
| 8 | Correlational Research |
| 9 | Experiment and Quasi-experimental Research |
| 10 | Simulation and Modeling Research |
| 11 | Midterm Examination 2 |
| 12 | Logical Argumentation |
| 13 | Case Studies-Combined Strategies |
| 14 | Communicating the research results: Techniques of writing report, |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Asst. Prof. Dr. Gökçe Ketizmen Önal | **Date:** | | 26.06.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

|  |  |  |  |
| --- | --- | --- | --- |
| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** | 504001508 | **TITLE** | Advanced Architectural Design Studio I |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 1 | | 3 | 0 | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( x ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | | x | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | | 1 | | 60 |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | | - | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Themes/topics will be determined on the semester basis with reference to the current/contemporary discussions and problem areas in the field. Students are expected to work on advanced and complex problems derived from these themes/topics.  Methodologically, existing approaches to the selected themes/topics, and the provided solutions will be examined and critically discussed. To the degree developing solutions, developing a conceptual/theoretical framework operational in such an undertaking is important. With this respect, on the semester basis, and with relation to the selected themes/topics, a set of readings will be determined to establish the concerned conceptual/theoretical basis. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The main aim of the course is to make students to confront complex architectural problems, and produce sophisticated and competent solutions to these problems. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | • Design and conduct experiments as well as to analyze and interpret information  • Identify, formulate, and solve complex architectural problems | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Knowledge of design, making data collection analysis of outcomes and interpretations of them in order to study architectural problems.  Knowledge of the determination and definition of different architectural problems and the sellection of appropriat design and analysis methods in architecture and related fields.  Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems.  Verbal and literal communication abilities in turkish and enhancement of foreighn language skills. | | | | | | | |
| **TEXTBOOK** | | | | | Readings will be determined on the semester basis, with reference to the formulated design problems. | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Readings, analyses and presentations |
| 2 | Readings, analyses and presentations |
| 3 | Readings, analyses and presentations |
| 4 | Introduction to the project |
| 5 | Development of the project table critique and presentations |
| 6 | Midterm Examination 1 |
| 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 | Midterm Examination 2 |
| 12 | Development of the project table critique and presentations |
| 13 | Finalizing the projects and presentations |
| 14 | Finalizing the projects and presentations |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assoc. Prof. Dr. Hakan ANAY | **Date:** | | 11.05.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** | 504002501 | **TITLE** | Advanced Architectural Design Studio II |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 1 | | 3 | 0 | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( x ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | | x | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | | 1 | | 60 |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | | - | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Themes/topics will be determined on the semester basis with reference to the current/contemporary discussions and problem areas in the field. Students are expected to work on advanced and complex problems derived from these themes/topics.  Methodologically, existing approaches to the selected themes/topics, and the provided solutions will be examined and critically discussed. To the degree developing solutions, developing a conceptual/theoretical framework operational in such an undertaking is important. With this respect, on the semester basis, and with relation to the selected themes/topics, a set of readings will be determined to establish the concerned conceptual/theoretical basis. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The main aim of the course is to make students to confront complex architectural problems, and produce sophisticated and competent solutions to these problems. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | • Design and conduct experiments as well as to analyze and interpret information  • Identify, formulate, and solve complex architectural problems | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Knowledge of design, making data collection analysis of outcomes and interpretations of them in order to study architectural problems.  Knowledge of the determination and definition of different architectural problems and the sellection of appropriat design and analysis methods in architecture and related fields.  Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems.  Verbal and literal communication abilities in turkish and enhancement of foreighn language skills. | | | | | | | |
| **TEXTBOOK** | | | | | Readings will be determined on the semester basis, with reference to the formulated design problems. | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |

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| --- | --- |
| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Readings, analyses and presentations |
| 2 | Readings, analyses and presentations |
| 3 | Readings, analyses and presentations |
| 4 | Introduction to the project |
| 5 | Development of the project table critique and presentations |
| 6 | Midterm Examination 1 |
| 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 | Midterm Examination 2 |
| 12 | Development of the project table critique and presentations |
| 13 | Finalizing the projects and presentations |
| 14 | Finalizing the projects and presentations |
| 15,16 | Final Examination |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assoc. Prof. Dr. Hakan ANAY | **Date:** | | 11.05.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

|  |  |  |  |
| --- | --- | --- | --- |
| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| --- | --- | --- | --- |
| **COURSE** | | | |
| **CODE** |  | **TITLE** | CURRENT DEBATES IN ARCHITECTURE |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | | X | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 2 | | 50 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | | 1 | | 50 |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | |  |
| **PREREQUISITE(S)** | | | | | - | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | CURRENT DEBATES IN ARCHITECTURE is a lecture/seminar course to understand the ongoing debates about contemporary architectural issues. The course focuses on a variety of architectural ideas, concepts, theories, approaches, cases or topics related to the curent architectural debates (such as lanscape architecture, politics and space, urban issues, digital architecture etc). Involves discussions, readings, presentations, digital media studies-videos as well as field trips to local sites will provide living examples for the particular discussions. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Students will be encouraged to describe features of issues related to their own research statements. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | By the end of the course, students will practice debate, write their issues, and work to construct persuasive presentations in verbal and other media. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Making data collection analysis of outcomes and interpretations of them in order to study current architectural debates.  Knowledge of the determination and definition of different architectural problems and the sellection of appropriate design and analysis methods in architecture and related fields.  Ability of using theoretical and practical knowledge in order to analysis and investigate the architectural problems. | | | | | | | |
| **TEXTBOOK** | | | | | Kate Nesbitt, Theorizing a New Agenda for Architecture:An Anthology of Architectural Theory 1965-1995, Princeton Architectural Press, 1996.Michael Hays, Architecture Theory Since 1968, The MIT Press Cambridge Mass., 1998. | | | | | | | |
| **OTHER REFERENCES** | | | | | Mimarlık Dergisi, Mimarlar Odası yayınları, AnkaraArredamento Mimarlık,Boyut yayıncılık, İstanbulYapı: Mimarık Tasarım Kültür Sanat Dergisi, YEM yayınları; İstanbulvarious web sources | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction: selection of topics |
| 2 | Studies on topics:introductory presentations + discussions |
| 3 | Studies on topics:introductory presentations + discussions |
| 4 | Studies on topics: description of the primary sources + development of bibliography + presentations + discussions |
| 5 | Studies on topics: description of the primary sources + development of bibliography + presentations + discussions |
| 6 | Midterm Examination 1 |
| 7 | Introduction to the description of issues |
| 8 | Description of issues + presentations + discussions |
| 9 | Description of issues + presentations + discussions |
| 10 | Presentation of related cases + discussions |
| 11 | Midterm Examination 2 |
| 12 | Presentation of related cases + discussions |
| 13 | Final presentations |
| 14 | Final presentations |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assoc. Prof. Dr. Hakan ANAY | **Date:** | | 17.11.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** | 504001510 | **TITLE** | HISTORICAL BUILDING TYPES |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | ENGLISH |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| 1 | | 0 | | | | 2 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | | 2 | | 40 |
| Quiz | | | | |  | |  |
| Homework | | | | | 1 | | 20 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | |  | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Historic buildings built in different periods within different functions, local building materials and construction techniques will be examining.  The structure of the course will be conducted by means of discussing and making inferences throughout written documentation on the architectural features of different types of buildings (spatial order and structural features) and building typology. Both oral and written presentations and are attendance mandatory. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | In this course, it is expected to be able to: understand historic building types; recognize and examine the original characteristics of spatial order and structural constitution composing historical buildings, and make inferences. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Understanding the building technology of historic building within their host functions, the spatial order, structural features, and construction techniques. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Ability to identify historical building types  Ability to identify spatial and structural features of historical buildings, to synthesize information and to be capable of making comparisons in between.  Developing and getting awareness of conservation and being aware towards historical buildings | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | A brief description of the types of historic buildings within conceptual framework of course content, discussion of given presentation and assignment subjects |
| 3 | Presentation and discussion of building typology: civil architecture building types (building types built for residential and sheltering) |
| 4 | Presentation and discussion of building typology: civil architecture building types (building types built for residential and sheltering) |
| 5 | Presentation and discussion of building typology: education buildings (building types built for educational purposes) |
| 6 | Midterm Examination 1 |
| 7 | Presentation and discussion of building typology: religious buildings (building types built for the worship) |
| 8 | Presentation and discussion of building typology: religious buildings (building types built for the worship) |
| 9 | Presentation and discussion of building typology: commercial buildings (building types built for the trade activity) |
| 10 | Presentation and discussion of building typology: commercial buildings (building types built for the trade activity) |
| 11 | Midterm Examination 2 |
| 12 | Presentation and discussion of building typology: water structures (building types built for water requirement and bathing activity) |
| 13 | Presentation and discussion of building typology: water structures (building types built for water requirement and bathing activity) |
| 14 | Presentation and discussion of building typology: social building types built for social activity) |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Asst. Prof. Dr. Kader REYHAN | **Date:** | | 06.05.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** | 504001512 | **TITLE** | Architectural Research Methods I |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 5 | COMPULSORY  ( x ) | | ELECTIVE  (   ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| 2 | |  | | | | 1 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 3 | | 60 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | |  | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | This course for MSc in Architecture aims to introduce the definition of knowledge, acquisition and production of knowledge. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | An introduction to the field of epistemology. Topics include the analysis of knowledge, a priori knowledge, immediate perceptual justification, foundational vs. coherence views, internalism vs. externalism, naturalized epistemology, and skepticism. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | This course will introduce epistemological concepts and discussions thus students may employ critical and scientific approaches to professional life. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | At the end of this course, students will learn how to produce scientific knowledge.  Students will have the knowledge of how to access basic database, information through the use of libraries.  Students achieve the skill to analysis, synthesis and discussion of a scientific topic.  Studients will acquire writing skills for academic papers. | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | |
| **OTHER REFERENCES** | | | | | Reading list will be provided by instructors | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Skepticism about the External World |
| 3 | Skepticism about the External World |
| 4 | Skepticism about the External World |
| 5 | The Nature of Knowledge |
| 6 | Midterm Examination 1 |
| 7 | The Nature of Knowledge |
| 8 | Structure of Knowledge and Justification |
| 9 | Structure of Knowledge and Justification |
| 10 | Structure of Knowledge and Justification |
| 11 | Midterm Examination 2 |
| 12 | Production of Knowledge |
| 13 | Production of Knowledge |
| 14 | Production of Knowledge |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Asst. Prof. Dr. Başak GÜÇYETER | **Date:** | | 08.05.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** | 504001513 | **TITLE** | CREATIVE THINKING IN ARCHITECTURAL DESIGN 1 |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 5 | COMPULSORY  (   ) | | ELECTIVE  ( x ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| 2 | |  | | | | 1 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 3 | | 60 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | |  | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Architectural design thinking styles, creativity relation to theories and appraocahes will be discussed. . | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Aim to provide;design as a thinking process. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Graduate students who successfully pass this course gain the following knowledge, skills and proficiencies :  - Ability to understand design thinking styles and creativity.  - Interpreting and forming new types of knowledge by combining the knowledge from various other disciplines | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Developing new strategic approaches in design thinking and progressing new strategic approaches for creativity. | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Kirk, S.J.; Spreckelmeyer K.F., Creative Design Decisions, Van Nostrand Reinhold Com., NewYork ,1988 2. Rowe P.G., Design Thinking, MIT Press, Cambridge 1995 3. Sternberg, R., The Natures of Creativity, Cmabridge Unv.Press., 1988 4. Runco,M., Divergent Thinking, Ablex Publishing Corporation, NewJersey, 1991 | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction What is design? |
| 2 | General characteristics of design problems? |
| 3 | Design process and related approaches |
| 4 | Problem solving Theory and Critical Thinking |
| 5 | Normative Positions that guide design thinking |
| 6 | Midterm Examination 1 |
| 7 | Divergent thinking in architectural design |
| 8 | Creativity and creative thinking styles |
| 9 | Creative problem solving |
| 10 | Biological perspectives in creativity |
| 11 | Midterm Examination 2 |
| 12 | Culture, society and creativity |
| 13 | Creativity as mechanical process |
| 14 | Culture and creativity / Can creativity be measured. |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Asst. Prof. Dr. Gokce Ketizmen Onal | **Date:** | | 04.0.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** | 504002502 | **TITLE** | EARTHQUAKE RESİSTANT BUİLDİNG DESİGN AND MATERİALS |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | |  |  | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | ENGLISH |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| 1 | | 1 | | | | 1 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | | 2 | | 30 |
| Quiz | | | | |  | |  |
| Homework | | | | | 1 | | 40 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 30 |
| **PREREQUISITE(S)** | | | | | NO | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | The role of the architect in the design of earthquake-resistant structures will be investigated and issues to be considered in terms of architectural design against earthquake. Effects of earthquake on form of structure, position and size of the construction system will be examined on existing research. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Aimed to examine and make inferences about being aware of the materials, form and technology that provide resistance of buildings to the earthquake in architectural design and recognizing that the measures to be taken against earthquakes begins with architectural design. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | To understand the role of form and material choices and the importance of conceptual architect decisions in earthquake resistant design. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Recognize the behaviour of structures in earthquake response, to understand the importance of choise of materials and form in earthquake resistant design, to reach the awareness of the importance of the effect of the earthquake in architectural design, emphasizing the role and importance of the architect for the design of earthquake resistant structure, assist in the development of consciousness begins with safe building design. | | | | | | | |
| **TEXTBOOK** | | | | | Tuna M. E., 'Depreme Dayanıklı Yapı Tasarımı', Ajans Türk Basın ve Basım AŞ., 2000. | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | A brief description of earthquake resistant building design and discussion of given presentation and assignment subjects |
| 3 | Discussion of earthquake and regulations related to the earthquake |
| 4 | Earthquake resistant design and understanding of the overall behavior of the structural system |
| 5 | General information on building structural system |
| 6 | Midterm Examination 1 |
| 7 | Definition and discussion of structural system design principle |
| 8 | Definition and discussion of structural failure |
| 9 | Definition and discussion of masonry structures of earthquake effects |
| 10 | Definition and discussion of repair and reinforcement against earthquake damage |
| 11 | Midterm Examination 2 |
| 12 | Presentation and discussion of the damage resulting from the earthquake in roof |
| 13 | Presentation and discussion of damage in walls and partitions elements |
| 14 | Presentation and discussion of the research done on the subject. |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Yrd. Doç. Dr. Orkun ALPTEKİN | **Date:** | | 15.03.2016 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** | 504002508 | **TITLE** | Formation In Architecture |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | | X | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | | 1 | | 25 |
| Homework | | | | | 1 | | 25 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 50 |
| **PREREQUISITE(S)** | | | | | - | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Analyses of the Centuries-old formation of the architectural environment. The analysis consists of three parts. In the first part are considered - the basic concepts of an architectural and town-planning composition, concept of an aesthetics of the architecture, Visual perception of architecture. In the second part are considered – architecture of interiors, formation of various interiors, the architecturally-art decision of transition from external space to internal. In the third part are considered - Town-planning ensembles and compositions, building and landscape, Formation of the city complexes with a landscape. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | On the basis of the analysis of the architectural practice presented by numerous examples of architecture of various epoch and people to open laws of design-building activity. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Including the most advanced specialized skills and techniques in practice, having the ability to identify problem and to create solution mechanisms for important problmes in the field of architecture and/or innovation in order and to expand and redefine existing knowledge or professional practice required for the synthesis and evaluation | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Please write minimum four learning outcomes for the course. | | | | | | | |
| **TEXTBOOK** | | | | | Bonta, J.P., 1979, Architecture and Its Interpretation, Lund Humphries Publishers Ltd, LondonNorberg-Schulz, C., 1980, Genius Loci “Towards a Phenomenology of Architecture”, Academy Editions LondonSpiller, N., 2006, Visionary Architecture “Blueprints of the Modern Imagination”, Thames & Hudson, London | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Architecture |
| 2 | The basic concepts of an architectural and town-planning composition |
| 3 | Concept of a esthetics of the architecture |
| 4 | Visual perception of architecture |
| 5 | Architecture of interiors |
| 6 | Midterm Examination 1 |
| 7 | Formation of various interiors |
| 8 | The architecturally-art decision of transition from external space to internal |
| 9 | Formation of volume of buildings |
| 10 | Architecture of facades |
| 11 | Midterm Examination 2 |
| 12 | Architecture and the nature |
| 13 | Building and landscape |
| 14 | Formation of the tie of city complexes with a landscape |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assist.Prof.Dr. Terane M.BURNAK | **Date:** | | 08.05.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** | 504001514 | **TITLE** | DESIGN PRINCIPLES FOR WAYFINDING TO URBAN/PUBLICSPACE |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | |  |  | | | 3 | 5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | TURKISH |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| 1 | |  | | | | 2 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 2 | | 60 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | |  | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | It is necessary to determine the limit of space and scale to define a person’s positions in the space. In addition to this the way which provide orientation, signs, the area that provide connection and connection elements should be determined to perceive the spatial relation. These elements and items not only behave as a guide but also provide the oriention of space, inform users about the space, define the space or are used as a decor. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Human wayfinding research investigates processes that take place when people orient themselves and navigate through space. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Universal Design and Design for all | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | PPT presentation, posters, academic article, project about subject | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | |
| **OTHER REFERENCES** | | | | | Passini, R. Wayfinding in Architecture, NY: Van Nostrand ReinholdCompany, 90-92, 1984KAHVECİOĞLU, H.L.; Mimarlıkta İmaj: Mekansal İmajın Oluşumu ve Yapısı Üzerine Bir Model, İstanbul Teknik Üniversitesi Fen Bilimleri Enstitüsü, Yayınlanmamış Doktora Tezi, İstanbul, 1998.KRIER, R., Architectural Composition, Axel Menges Edition, London,1988.LANG, J.; Creating Architectural Theory, The Role of BehavioralSciences in Enviromental Design, Van Nostrand Reinhold, New York,1987.LYNCH, K.; The Image of The City, Massachusetts Institute of Technology Press, Cambridge, 1960.STAMPS, J.A.; KRISHNAN, V.V.; WILLITS, N.H.; How DifferentTypes of Natal Experience Affect Habitat Preference, The AmericanNaturalist, The University of Chicago Press,Cilt: 174, Sayı: 5, 2009. Venturi, R.- Scott Brown, D.-Izenour, S. Learning from Las Vegas: TheForgotten Symbolism of Architectural Form, The MIT Press., Cambridge,Mass, 1977.Morgan, T.C. Psikolojiye Giriş, Hacettepe Üniv. Psikoloji Bölümü Yayınları, Ankara, Çeviren: S. Karataş, 1995.Goldstein, E.B. Sensation and Perception, Wadsworth Publ. Co., Belmont,California, 1989. | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | The factors of space identity/IMAGE |
| 2 | The clues for wayfinding |
| 3 | Cognitive mapping |
| 4 | Space and visual perception |
| 5 | Space and auditory perception |
| 6 | Midterm Examination 1 |
| 7 | Space and odour perception |
| 8 | Space and texture |
| 9 | Materials in wayfinding |
| 10 | Illumination in wayfinding |
| 11 | Midterm Examination 2 |
| 12 | Signs in wayfinding |
| 13 | Semiotics in architecture |
| 14 | Walkable cities and good wayfinding applications |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assoc.Prof.Aysen CELEN OZTURK | **Date:** | | 05.09.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** | 504002520 | **TITLE** | DESIGN PRINCIPLES FOR WAYFINDING TO URBAN/PUBLICSPACE II |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | |  |  | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | TURKISH |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| 1 | |  | | | | 2 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 2 | | 60 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | |  | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Wayfinding for pedestrains in urban areas is about making places more walkable, legible and liveable. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To explain the environment and enable seamless walking provide clear, accurate, quality information.  To allow people to easily build a mental map of an area  making the environment legible and navigable. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Universal Design and Design for all | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | PPT presentation, posters, academic article, project about subject | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | |
| **OTHER REFERENCES** | | | | | Passini, R. Wayfinding in Architecture, NY: Van Nostrand ReinholdCompany, 90-92, 1984KAHVECİOĞLU, H.L.; Mimarlıkta İmaj: Mekansal İmajın Oluşumu ve Yapısı Üzerine Bir Model, İstanbul Teknik Üniversitesi Fen Bilimleri Enstitüsü, Yayınlanmamış Doktora Tezi, İstanbul, 1998.KRIER, R., Architectural Composition, Axel Menges Edition, London,1988.LANG, J.; Creating Architectural Theory, The Role of BehavioralSciences in Enviromental Design, Van Nostrand Reinhold, New York,1987.LYNCH, K.; The Image of The City, Massachusetts Institute of Technology Press, Cambridge, 1960.STAMPS, J.A.; KRISHNAN, V.V.; WILLITS, N.H.; How DifferentTypes of Natal Experience Affect Habitat Preference, The AmericanNaturalist, The University of Chicago Press,Cilt: 174, Sayı: 5, 2009. Venturi, R.- Scott Brown, D.-Izenour, S. Learning from Las Vegas: TheForgotten Symbolism of Architectural Form, The MIT Press., Cambridge,Mass, 1977.Morgan, T.C. Psikolojiye Giriş, Hacettepe Üniv. Psikoloji Bölümü Yayınları, Ankara, Çeviren: S. Karataş, 1995.Goldstein, E.B. Sensation and Perception, Wadsworth Publ. Co., Belmont,California, 1989. | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | What is pedestrian wayfinding? |
| 2 | Strategy – the ʻWhatʼ and ʻWhereʼ issues |
| 3 | Design – developing the information system |
| 4 | Implementation – manufacture & installation |
| 5 | Livable cities are legible cities |
| 6 | Midterm Examination 1 |
| 7 | Wayfinding Systems Elements |
| 8 | Gateways and Area Identification |
| 9 | Vehicular and Pedestrain Wayfinding Signs |
| 10 | Destination Identity |
| 11 | Midterm Examination 2 |
| 12 | Urban and Street Identity |
| 13 | Case Study: City of Eskişehir |
| 14 | Survey Studies for urban public space |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
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| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assoc.Prof.Aysen CELEN OZTURK | **Date:** | | 05.09.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | ADVANCED URBAN STUDIES I |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | |  |  | | | 3 | 5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | TURKISH |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | |  | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 1 | | 30 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 70 |
| **PREREQUISITE(S)** | | | | |  | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Urban History is a theorethical course that discusses fundamental concepts and problematics on urban issue. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To have knowledge on urban concepts and problematics in history; To handle knowledge on theories, concepts and utopias on urban space. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | To underline that the architecture and the urban problematics are inseparable. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | To comprehend city as a formal and structural issue; to analyze structural components of a city; to evaluate urban history; to have an advanced knowledge of urban theory and problems in history. | | | | | | | |
| **TEXTBOOK** | | | | | AKSOYLU, S., (2002) İdeal Toplum Modelleri ve Yeni Kent Fikri.BENEVOLO, L. (1980) The History of the City, MIT Press.BERTANI, M. & FONTANA, A. (eds.) (2003) Michel Foucault: Society Must be Defended, Picador, New York.BURAT, S. (2008) The Changing Morphology Of Urban Greenways, Ankara, 1923-1960, Unpublished PhD Dissertation, METU, Ankara.CARMONA, M. (et al.) (2003) Public Places: Urban Spaces.CASTELLS, M. (1997) Kent, Sınıf, İktidar. Çev. Asuman Erendil. Bilim ve Sanat Yayınları, Ankara.GRUEN, V. (1964) The Heart of Our Cities, Simon and Schuster.GURALLAR YEŞİLKAYA, N. (2003) Halkevleri: İdeoloji ve Mimarlık. İletişim Yayınları, İstanbul.HABERMAS, J. (2004) Kamusal Alan. Kamusal Alan içinde. Çev. Meral Özbek. Hil Yayın, İstanbul.HARVEY, D. (2013) Asi Şehirler. Şehir Hakkından Kentsel Devrime Doğru. Çev. Ayşe Deniz Temiz. Metis Yayınları, İstanbul.HOWARD, E. (1965) Garden Cities of To-Morrow, MIT Press.JACOBS, J. 1989 (1961) The Death and Life of Great American Cities, Vintage Books.KOSTOF, S. (1991) The City Shaped: Urban Patterns and Meanings Through History.KRITZMAN, L. D. (ed.) (1988) Michel Foucault: Politics, Philosophy, Culture, Routledge, New York, London.LE CORBUSIER 1987 (1924) The City of Tomorrow and its Planning, Architectural Press,LEFEBVRE, H. (2014) Mekânın Üretimi. Çev. Işık Ergüden. Sel Yayınları, İstanbul.LEFEBVRE, H. (2013) Kentsel Devrim. Çev. Selim Sezer. Sel Yayınları, İstanbul.LEFEBVRE, H. (1998) Modern Dünyada Gündelik Hayat. Çev. Işın Gürbüz. Metis Yayınları, İstanbul.LYNCH, K. (1960) The Image of the City, MIT Press.LYNCH, K. (1981) Good City Form, MIT Press.MUMFORD, L. (1961) The City in History: Its Origins, Its Transformations, and Its Prospects.MUMFORD, E. (2000) The CIAM Discourse on Urbanism, MIT Press.ONWUZURUIGBO, I. (2014) "Space of Power and Power of Space: Islam and Conflict over Cemetery Space in Colonial Ibadan", Journal of Urban History, March 2014, 40 (2), 301-317.ÖZBEK, M. 2004, “Giriş: Kamusal Alanın Sınırları”, Kamusal Alan, Hil Yayın, İstanbulROSS, A. (2008), "Why is ‘Speaking the Truth’ Fearless? ‘Danger’ and ‘Truth’ in Foucault’s Discussion of Parrhesia", Parrhesia: A Journal of Critical Philosophy, No. 4, 62-75.ROSSI, A. 1984 (1962) The Architecture of the City, MIT Press.SARGIN, G. (2012) "Mekanin Soy Kutugu Uzerine Denemeler: Iktidar ve/veya Direnisin Ideolojik Araci Olarak Mekanbilim", Ankara Kent Atlasi, TMMOB Mimarlar Odasi Ankara Subesi, Ankara, vi-xii.STAHLE, A. (2008) Compact Sprawl: Exploring Public Open Space And Contradictions In Urban Density, Published PhD Dissertation, USAB, Stockolm. | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Neşe Gurallar Yeşilkaya. 2003. Halkevleri: İdeoloji ve Mimarlık. İletişim Yayınları, İstanbul. |
| 2 | David Harvey. 2013. Asi Şehirler. Şehir Hakkından Kentsel Devrime Doğru. Çev. Ayşe Deniz Temiz. Metis Yayınları, İstanbul. (Sunuş, Önsöz Henri Lefebvre’in Vizyonu) (ss. 9-39) |
| 3 | David Harvey. 2013. Asi Şehirler. Şehir Hakkından Kentsel Devrime Doğru. Çev. Ayşe Deniz Temiz. Metis Yayınları, İstanbul. (Birinci Bölüm Şehir Hakkı) (ss. 43-69) |
| 4 | Henri Lefebvre. 2013. Kentsel Devrim. Çev. Selim Sezer. Sel Yayınları, İstanbul. (ss. 155-175) |
| 5 | Henri Lefebvre. 2014. Mekânın Üretimi. Bölüm 2 – Sosyal Mekân. Çev. Işık Ergüden. Sel Yayınları, İstanbul. |
| 6 | Midterm Examination 1 |
| 7 | Manuel Castells. 1997. Kent, Sınıf, İktidar. Çev. Asuman Erendil. Bilim ve Sanat Yayınları, Ankara. (VIII. Kent, Sınıf ve İktidar. IX. Sonuç – Kent Araştırmasında Yeni Sahalar) (ss. 209-226) |
| 8 | Guy Debord, 1996, “Maddileşmiş İdeoloji”, Gösteri Toplumu ve Yorumlar, Çev. A. Ekmekçi, O. Taşkent, Ayrıntı Yayınları, İstanbul, ss. 112-116. |
| 9 | Michel Foucault, Gilles Deleuze, 1996, “Entelektüeller ve Güç”, Çev. A. Oysal, Kent ve Kültürü, Cogito, S. 8, Yaz, YKY, İstanbul, ss. 219-226 |
| 10 | Jurgen Habermas. 2004. "Kamusal Alan". Kamusal Alan içinde. Çev. Meral Özbek. Hil Yayın, İstanbul. |
| 11 | Midterm Examination 2 |
| 12 | Meral Özbek, 2004, “Giriş: Kamusal Alanın Sınırları”, Kamusal Alan, Hil Yayın, İstanbul, ss. 19-39. |
| 13 | Meral Özbek, 2004, “Giriş: Kamusal Alanın Sınırları”, Kamusal Alan, Hil Yayın, İstanbul, ss. 39-55. |
| 14 | Meral Özbek, 2004, “Giriş: Kamusal Alanın Sınırları”, Kamusal Alan, Hil Yayın, İstanbul, ss. 55-64. 89. |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assist. Prof. Dr. A. Duygu KAÇAR | **Date:** | | 12.05.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | ADVANCED URBAN STUDIES II |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | |  |  | | | 3 | 5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | TURKISH |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | |  | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 1 | | 30 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 70 |
| **PREREQUISITE(S)** | | | | |  | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Urban studies are among the main discussions of the architecture discipline. Contemporary discussions on the city will be the subject of the course in oder to propose new ideas. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | This course aims to develop a critical view and evaluate the dynamics of the city throughout the academic works produces in this area. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | To underline that the architecture and the urban problematics are inseparable. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Urban Studies II course will help the student develop an interdisciplinary view before his graduation and an awareness on the relationship of architecture with other disciplines. | | | | | | | |
| **TEXTBOOK** | | | | | AYATA, S. (2003), “Yeni Orta Sınıf ve Uydu Kent Yaşamı”, Kültür Fragmanları: Türkiye’de Gündelik Hayat, D. Kandiyoti, A. Saktamber (Der.), Zeynep Yelçe (Çev.), ss. 37-56.BOOKCHIN, M. (1999) Kentsiz Kentleşme, Ayrıntı Yayınları, İstanbul.Cogito: Kent ve Kültürü, Yapı Kredi Yayınları, İstanbul.DEBORD, G. (1996), Gösteri Toplumu ve Yorumlar, Çev. A. Ekmekçi, O. Taşkent, Ayrıntı Yayınları, İstanbul.ERCİNS, G. (2013), “Demokrasinin Bir Önkoşulu Olarak Kamusal Alan ve Türkiye’de Kamusal Alan Algısı”, C.Ü. İktisadi ve İdari Bilimler Dergisi, Cilt 14, Sayı 1, ss. 297-313.HARVEY, D. (1996) Postmodernliğin Durumu, Metis, İstanbul.LYNCH K. (2010) Kent İmgesi, Türkiye Is Bankası Kültür Yayınları, İstanbul.JACOBS, J. (2011) Büyük Amerikan Şehirlerinin Olumu ve Yaşamı, Metis, İstanbul.Le CORBUSIER (1999) Bir Mimarlığa Doğru, YKY, İstanbul.SCOTT, J. C. (2008) Devlet Gibi Görmek, Versus Kitap, İstanbul.ÖZBEK, M. (2004), Kamusal Alan, Hil Yayın, İstanbul.ROSSI, A. (2006) Şehrin Mimarisi, Kanat Kitap, İstanbul.RAGON, M. (1998) Modern Mimarlık ve Şehircilik Tarihi, Kabalcı Yayınevi, İstanbul.ÖZDEMİR, A. (2007), “Katılımcı Kent Kimliğinin Oluşumunda Kamusal Yeşil Alanların Rolü”, Planlama, 2007/1, ss.37-43.Toplum ve bilim, S 64-65, Güz Kış.URRY, J. (1999) Mekanları Tüketmek, Ayrıntı Yayınları, İstanbul.CASTELLS, M. (1997) Kent, Sınıf, İktidar. Çev. Asuman Erendil. Bilim ve Sanat Yayınları, Ankara.GURALLAR YEŞİLKAYA, N. (2003) Halkevleri: İdeoloji ve Mimarlık. İletişim Yayınları, İstanbul.HABERMAS, J. (2004) Kamusal Alan. Kamusal Alan içinde. Çev. Meral Özbek. Hil Yayın, İstanbul.HARVEY, D. (2013) Asi Şehirler. Şehir Hakkından Kentsel Devrime Doğru. Çev. Ayşe Deniz Temiz. Metis Yayınları, İstanbul.LEFEBVRE, H. (2014) Mekânın Üretimi. Çev. Işık Ergüden. Sel Yayınları, İstanbul.LEFEBVRE, H. (2013) Kentsel Devrim. Çev. Selim Sezer. Sel Yayınları, İstanbul.LEFEBVRE, H. (1998) Modern Dünyada Gündelik Hayat. Çev. Işın Gürbüz. Metis Yayınları, İstanbul.LYNCH, K. (1981) Good City Form, MIT Press.ÖZBEK, M. 2004, “Giriş: Kamusal Alanın Sınırları”, Kamusal Alan, Hil Yayın, İstanbulROSS, A. (2008), "Why is ‘Speaking the Truth’ Fearless? ‘Danger’ and ‘Truth’ in Foucault’s Discussion of Parrhesia", Parrhesia: A Journal of Critical Philosophy, No. 4, 62-75.ROSSI, A. 1984 (1962) The Architecture of the City, MIT Press.SARGIN, G. (2012) "Mekanin Soy Kutugu Uzerine Denemeler: Iktidar ve/veya Direnisin Ideolojik Araci Olarak Mekanbilim", Ankara Kent Atlasi, TMMOB Mimarlar Odasi Ankara Subesi, Ankara, vi-xii.STAHLE, A. (2008) Compact Sprawl: Exploring Public Open Space And Contradictions In Urban Density, Published PhD Dissertation, USAB, Stockolm. | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Neşe Gurallar Yeşilkaya. 2003. Halkevleri: İdeoloji ve Mimarlık. İletişim Yayınları, İstanbul. |
| 2 | David Harvey. 2013. Asi Şehirler. Şehir Hakkından Kentsel Devrime Doğru. Çev. Ayşe Deniz Temiz. Metis Yayınları, İstanbul. (Sunuş, Önsöz Henri Lefebvre’in Vizyonu) (ss. 9-39) |
| 3 | David Harvey. 2013. Asi Şehirler. Şehir Hakkından Kentsel Devrime Doğru. Çev. Ayşe Deniz Temiz. Metis Yayınları, İstanbul. (Birinci Bölüm Şehir Hakkı) (ss. 43-69) |
| 4 | Henri Lefebvre. 2013. Kentsel Devrim. Çev. Selim Sezer. Sel Yayınları, İstanbul. (ss. 155-175) |
| 5 | Henri Lefebvre. 2014. Mekânın Üretimi. Bölüm 2 – Sosyal Mekân. Çev. Işık Ergüden. Sel Yayınları, İstanbul. |
| 6 | Midterm Examination 1 |
| 7 | Manuel Castells. 1997. Kent, Sınıf, İktidar. Çev. Asuman Erendil. Bilim ve Sanat Yayınları, Ankara. (VIII. Kent, Sınıf ve İktidar. IX. Sonuç – Kent Araştırmasında Yeni Sahalar) (ss. 209-226) |
| 8 | Guy Debord, 1996, “Maddileşmiş İdeoloji”, Gösteri Toplumu ve Yorumlar, Çev. A. Ekmekçi, O. Taşkent, Ayrıntı Yayınları, İstanbul, ss. 112-116. |
| 9 | Michel Foucault, Gilles Deleuze, 1996, “Entelektüeller ve Güç”, Çev. A. Oysal, Kent ve Kültürü, Cogito, S. 8, Yaz, YKY, İstanbul, ss. 219-226 |
| 10 | Jurgen Habermas. 2004. "Kamusal Alan". Kamusal Alan içinde. Çev. Meral Özbek. Hil Yayın, İstanbul. |
| 11 | Midterm Examination 2 |
| 12 | Meral Özbek, 2004, “Giriş: Kamusal Alanın Sınırları”, Kamusal Alan, Hil Yayın, İstanbul, ss. 19-39. |
| 13 | Meral Özbek, 2004, “Giriş: Kamusal Alanın Sınırları”, Kamusal Alan, Hil Yayın, İstanbul, ss. 39-55. |
| 14 | Meral Özbek, 2004, “Giriş: Kamusal Alanın Sınırları”, Kamusal Alan, Hil Yayın, İstanbul, ss. 55-64. 89. |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assist. Prof. Dr. A. Duygu KAÇAR | **Date:** | | 12.05.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | CONTEMPORARY ISSUES IN ARCHITECTURE |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | | X | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 2 | | 50 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | | 1 | | 50 |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | |  |
| **PREREQUISITE(S)** | | | | | - | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | CONTEMPORARY ISSUES IN ARCHITECTURE is a lecture/seminar course to understand the ongoing discourses about contemporary architectural issues. The course provides students an opportunity to explore issues in their intended area of study. It focuses on a variety of architectural ideas, concepts, theories, approaches, cases or topics related to architectural design. Involves discussions, readings, presentations, digital media studies-videos as well as field trips to local sites will provide living examples for the particular discussions. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Students will be encouraged to describe basic issues related to their own future research statements. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | By the end of the course, students will practice debate, write their own philosophical statements, and work to construct persuasive presentations in verbal and other media. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Knowledge of design, making data collection analysis of outcomes and interpretations of them in order to study architectural problems.  Knowledge of the determination and definition of different architectural problems and the sellection of appropriat design and analysis methods in architecture and related fields.  Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems.  Verbal and literal communication abilities in turkish and enhancement of foreighn language skills. | | | | | | | |
| **TEXTBOOK** | | | | | Kate Nesbitt, Theorizing a New Agenda for Architecture:An Anthology of Architectural Theory 1965-1995, Princeton Architectural Press, 1996.Michael Hays, Architecture Theory Since 1968, The MIT Press Cambridge Mass., 1998. | | | | | | | |
| **OTHER REFERENCES** | | | | | Mimarlık Dergisi, Mimarlar Odası yayınları, AnkaraArredamento Mimarlık,Boyut yayıncılık, İstanbulYapı: Mimarık Tasarım Kültür Sanat Dergisi, YEM yayınları; İstanbulwww | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction: selection of topics |
| 2 | Studies on topics:introductory presentations + discussions |
| 3 | Studies on topics:introductory presentations + discussions |
| 4 | Studies on topics: description of the primary sources + development of bibliography + presentations + discussions |
| 5 | Studies on topics: description of the primary sources + development of bibliography + presentations + discussions |
| 6 | Midterm Examination 1 |
| 7 | Introduction to the description of issues |
| 8 | Description of issues + presentations + discussions |
| 9 | Description of issues + presentations + discussions |
| 10 | Presentation of related cases + discussions |
| 11 | Midterm Examination 2 |
| 12 | Presentation of related cases + discussions |
| 13 | Final presentations |
| 14 | Final presentations |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assist. Prof. Dr. Ülkü ÖZTEN | **Date:** | | 29.04.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| --- | --- | --- | --- |
| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | ADVANCED ARCHITECTURAL STUDIES |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | | X | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 2 | | 50 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | | 1 | | 50 |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | |  |
| **PREREQUISITE(S)** | | | | | - | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | ADVANCED ARCHITECTURAL STUDIES is a lecture/seminar course to understand the ongoing discourses about contemporary advanced architectural issues. The course provides students an opportunity to explore issues in their intended area of study. It focuses on a variety of architectural ideas, concepts, theories, approaches, cases or topics related to architectural design. Involves discussions, readings, presentations, digital media studies-videos as well as field trips to local sites will provide living examples for the particular discussions. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Students will be encouraged to describe basic issues related to their own future research statements. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | By the end of the course, students will practice debate, write their own philosophical statements, and work to construct persuasive presentations in verbal and other media. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Knowledge of design, making data collection analysis of outcomes and interpretations of them in order to study architectural problems.  Knowledge of the determination and definition of different architectural problems and the sellection of appropriat design and analysis methods in architecture and related fields.  Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems.  Verbal and literal communication abilities in turkish and enhancement of foreighn language skills. | | | | | | | |
| **TEXTBOOK** | | | | | Kate Nesbitt, Theorizing a New Agenda for Architecture:An Anthology of Architectural Theory 1965-1995, Princeton Architectural Press, 1996.Michael Hays, Architecture Theory Since 1968, The MIT Press Cambridge Mass., 1998. | | | | | | | |
| **OTHER REFERENCES** | | | | | Mimarlık Dergisi, Mimarlar Odası yayınları, AnkaraArredamento Mimarlık,Boyut yayıncılık, İstanbulYapı: Mimarık Tasarım Kültür Sanat Dergisi, YEM yayınları; İstanbulwww | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction: selection of topics |
| 2 | Studies on topics:introductory presentations + discussions |
| 3 | Studies on topics:introductory presentations + discussions |
| 4 | Studies on topics: description of the primary sources + development of bibliography + presentations + discussions |
| 5 | Studies on topics: description of the primary sources + development of bibliography + presentations + discussions |
| 6 | Midterm Examination 1 |
| 7 | Introduction to the description of issues |
| 8 | Description of issues + presentations + discussions |
| 9 | Description of issues + presentations + discussions |
| 10 | Presentation of related cases + discussions |
| 11 | Midterm Examination 2 |
| 12 | Presentation of related cases + discussions |
| 13 | Final presentations |
| 14 | Final presentations |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assist. Prof. Dr. Ülkü ÖZTEN | **Date:** | | 09.11.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Discourses in Sustainable Architecture |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 |  | | | 3 | 5 | COMPULSORY  (   ) | | ELECTIVE  ( x ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| 1 | |  | | | | 2 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 3 | | 60 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | |  | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | 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. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | To get related with the interdisciplinary fields of architecture. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Students acknlowledge the broad concept of sustainablity in different perspectives.  Students gain the ability to integrate theoretical and technical approaches of sustainability into their design processes.  Architectural design is perceived with its relations to sustainability and technology.  Students become acquinted with basic evaluation techniques. | | | | | | | |
| **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. | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Sustainable Development – Introductory Approaches |
| 2 | Sustainable Development – Discussions |
| 3 | Sustainable Architecture – Reflections of Sustainable Development on Architecture |
| 4 | Sustainable Communities - Case Studies |
| 5 | Concepts – Introduction to Environmental / Ecological / Green Architecture |
| 6 | Midterm Examination 1 |
| 7 | Eco-technical Approaches |
| 8 | Eco-centric Approaches |
| 9 | Eco-aesthetic Approaches |
| 10 | Eco-cultural Approaches |
| 11 | Midterm Examination 2 |
| 12 | Eco-medical Approaches |
| 13 | Eco-social Approaches |
| 14 | Environmental Assessment Methods |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Asst. Prof. Dr. Başak GÜÇYETER | **Date:** | | 08.05.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** | 504002503 | **TITLE** | Analysis Of The Residential Typologies In Turkey |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 7.5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | | X | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | | 1 | | 25 |
| Homework | | | | | 1 | | 25 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 50 |
| **PREREQUISITE(S)** | | | | | - | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | The Development of Housing in History, Traditional Turkish House in the Context of the Relationship of Architecture and Culture,Factors to be Evaluated in Designing Housing Areas, Examples of Contemporary Housing Types | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of the course is to enable students to comprehend the concept of culture and its importance in architectural design through various applications of housing spaces in the world and to enable students to become aware of the methods for designing livable and qualified housing areas and units for different income groups. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | To gain knowledge and critical awareness about the relations in between urban design and the other disciplines like architecture, urban planning, economy and sociology; and the opportunuties and threats that will arise by these relations. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Please write minimum four learning outcomes for the course. | | | | | | | |
| **TEXTBOOK** | | | | | Yürekli, H. ve Yürekli, F., Türk Evi: Gözlemler, Yorumlar, İstanbul: Yapı Yayınları, 2007.Lang, J. et.al., Designing for Human Behavior, Strousburg; PA: Dowden, Hutchinson & Ross, 1974.Moser, G. v.d. (ed.), People, Places and Sustainability, Seattle: Gogrefe & Huber Publishers, 2003.Özer, B., Yorumlar: Kültür, Sanat ve Mimarlık, İstanbul: YEM Yayın, 1993.Rossi, A., The Architecture of The City, Cambridge: M.I.T. Press, 1982.Sey, Y., “To House the New Citizens: Housing Policies and Mass Housing”, Holod, Renata ve Evin, Ahmet (ed.), Modern Turkish Architecture, Philadelphia: University of Pennsylvania Press, 1984, ss.153-177. | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Explanation of the Content and Aims of the Course |
| 2 | The Development of Housing in History |
| 3 | The Development of Housing in History |
| 4 | The Development of Housing in History |
| 5 | Traditional Turkish House in the Context of the Relationship of Architecture and Culture |
| 6 | Midterm Examination 1 |
| 7 | Traditional Turkish House in the Context of the Relationship of Architecture and Culture |
| 8 | Factors to be Evaluated in Designing Housing Areas |
| 9 | Factors to be Evaluated in Designing Housing Areas |
| 10 | Factors to be Evaluated in Designing Housing Areas |
| 11 | Midterm Examination 2 |
| 12 | Examples of Contemporary Housing Types |
| 13 | Examples of Contemporary Housing Types |
| 14 | Examples of Contemporary Housing Types |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assist.Prof.Dr. Terane M. BURNAK | **Date:** | | 08.05.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** | 504001511 | **TITLE** | Building Envelope Design |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 |  | | | 3 | 5 | COMPULSORY  (   ) | | ELECTIVE  ( x ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| 1 | | 1 | | | | 1 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 3 | | 60 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | |  | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Design of building envelopes, including control of heat flow, air and moisture penetration, and deterioration. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Study of the principle of building envelope design, rain screen walls, energy conserving designs. Techniques and building specifications are discussed through case studies. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Students may apply all knowledge in this course in professional and academic life. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Design of building envelope elements, which include walls, floors, roofs, and intentional openings.  Design and assess building envelope characteristics for heat transfer, airflow, and moisture control.  Critically analyze advanced building envelopes and their impact on energy use, airflow, and potential moisture issues.  Become acquainted with several software tools used in building enclosure design. | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | |
| **OTHER REFERENCES** | | | | | References will be provided by the instructor. | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Short review of building science topics |
| 3 | Heat transfer in the building envelope |
| 4 | Heat transfer in the building envelope |
| 5 | Moisture transfer in the building envelope |
| 6 | Midterm Examination 1 |
| 7 | Moisture transfer in the building envelope |
| 8 | Air movement in the interior spaces |
| 9 | Moisture Control |
| 10 | Energy Simulation |
| 11 | Midterm Examination 2 |
| 12 | Energy Simulation |
| 13 | Final Project |
| 14 | Final Project |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Asst. Prof. Dr. Başak GÜÇYETER | **Date:** | | 08.05.2015 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Architecture and Literature |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | |  |  | | |  |  | COMPULSORY  (   ) | | ELECTIVE  ( + ) | TR., ENG. |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| + | |  | | | |  | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | |  | |  |
| Report | | | | | 1 | | 25 |
| Seminar | | | | | 1 | | 25 |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 50 |
| **PREREQUISITE(S)** | | | | | NONE | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Architecture and Literature is a course designed to found new connections between architecture and contemporary fiction and to create a new field of knowledge.  Architecture and Literature, examines and reads the works of Calvino, Perec, Batur, Tanpınar, Pamuk, Barthes, Jarry, Manganelli, Borges, Ballard and many other in the light of architecture. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of the Architecture and Literature course is to discover, discuss, criticize the architectural potentials of fictional literature snd to write essays on these potentials.  Architecture and Literature is multi-disciplinary, emerging and an experimental field and aims at producing a new sort of knowledge in architectural design and theory. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Architecture and Literature points at new theotethical resources on arcchitectural design.  Architecture and Literature, focuses on creative intreactions between literal oeuvre and architecture.  Architecture and Literature helps to develop new contributions within the critical field. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | To be acknowledged about fiction and architecture.  To understand relationships and methods of fiction with architecture.  To practice methods of fictional literature in architectural design.  To analyze fiction pieces and the seconardy literature.  To reach a new synthesis by the aid of secondary literature on fiction.  To evaluate architecture with fiction and secondary literature. | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | |
| **OTHER REFERENCES** | | | | | Aldous Huxley. 2006. Cesur Yeni Dünya. Tr. Ümit Tosun. İstanbul: İthaki.Alfred Jarry. 2003. Toplu Eserler. Tr. Işık Ergüden. Ankara: Dost.Aydın Şimşek. (ed.) 2009. Calvino’yu Niçin Okumalı? Yaratıcı Yazma Süreçlerine Calvino Etkileri. Ankara: Kanguru Yayınları.Enis Batur. (ed.) 1997. Modernizmin Serüveni. İstanbul: YKY.\_\_. 1997. İki Deniz Arası Siyah Topraklar. İstanbul: YKY.\_\_. (ed.) 1988. Modern Dünya Edebiyatı Antolojisi. İstanbul: Dönemli.Edwin A. Abbott. 2008. Açıklamalı Düzülke. Çok Boyutlu Bir Macera. Tr. Barış Bıçakçı. İstanbul: Ayrıntı.Gaston Bachelard. 1988. Seçmeler. Tr. Afşar Timuçin. İstanbul: Remzi.Georges Perec. 2006. Kayboluş. Tr. Cemal Yardımcı. İstanbul: Ayrıntı.Gilles Deleuze, Felix Guattari. 2000. Kafka. Minör Bir Edebiyat İçin. Tr. Işık Ergüden, Özgür Uçkan. İstanbul: YKY.Giorgio Manganelli. 2006. Centuria. Yüz Küçük Irmak Roman. Tr. Sema Rifat. İstanbul: Alef.Harry Mathews, Alastair Brotchie. (ed.) 1998. Oulipo Compendium. England: Atlas.Harold Bloom. 2014. Batı Kanonu. Çağların Ekolleri ve Kitapları. Tr. Çiğdem Pala Mull. İstanbul: İthaki.İtalo Calvino. 1997. The Literature Machine. England: Vintage.İtalo Calvino. 1996. Amerika Dersleri. Gelecek Binyıl İçin Altı Öneri. Tr. Kemal Atakay. İstanbul: Can.Jorge Luis Borges. 1992. Gölgeye Övgü. Tr. Münir H. Göle. İstanbul: İletişim.J. G. Ballard. Gökdelen. Tr. Dost Körpe. İstanbul: Sel.Krishan Kumar. 2006. Modern Zamanlarda Ütopya ve KarşıÜtopya. Tr. Ali Galip. İstanbul: Kalkedon.Lewis Carroll. 2015. Alis Harikalar Ülkesinde. Tr. Tomris Uyar. İstanbul: Can.Murathan Mungan (ed.) 2011. Yazıhane. İstanbul: Metis.Michéle Audin, Harry Mathews, et al. 2013. Georges Perec and the Oulipo. Winter Journeys. 2011. London: Atlas.Oğuz Atay. 1998. Tutunamayanlar. İstanbul: İletişim.Orhan Pamuk. 2012. Şeylerin Masumiyeti. İstanbul: İletişim.Oruç Aruoba. 1992. Yürüme. İstanbul: Metis.Peter Mendelsund. 2015. Okurken Ne Görürüz? Tr. Özde Duygu Gürkan. İstanbul: Metis.Stanislaw Lem. 2012. Solaris. Tr. Mehmet Aközer. İstanbul: İletişim. | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Georges Perec |
| 2 | İtalo Calvino |
| 3 | Enis Batur |
| 4 | Giorgio Manganelli |
| 5 | Roland Barthes |
| 6 | Midterm Examination 1 |
| 7 | Jorge Lois Borges |
| 8 | Edwin Abbott |
| 9 | J. G. Ballard |
| 10 | Aldous Huxley |
| 11 | Midterm Examination 2 |
| 12 | Lewis Carroll |
| 13 | Ahmet Hamdi Tanpınar |
| 14 | Orhan Pamuk |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Associate Prof. Levent Şentürk | **Date:** | | 18. 04. 2016 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Architecture and Philosophy |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | |  |  | | |  |  | COMPULSORY  (   ) | | ELECTIVE  ( + ) | TR, ENG. |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| + | |  | | | |  | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 1 | | 25 |
| Project | | | | |  | |  |
| Report | | | | | 1 | | 25 |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 50 |
| **PREREQUISITE(S)** | | | | | none | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Architecture and Philosophy is based on thought resources produced by thinkers, authors, architects, artists and urbanists from inside and outside of architecture. These products, essays, works and books are being read, problematized, criticized to create new concepts, arguments and essays.  The Architecture and Philosophy course focuses on contemporary primary critical architectural and spatial problems within a range of works, authors, thinkers, etc. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To broaden architectural criticism, to read critical thinking materials extensively.  To enhance critical thinking millieu of architecture and to strengthen the connections between architecture and other millieus of thinking.  To read essays and works on philosophy and thought; and to produce new concepts and arguments within these works for architecture.  To understand and to make new arguments on contemporary thinking.  To develop a wider scale of knowledge on basics of architectural thinking.  Bringing forward critical thinking in architecture and to produce new texts. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Trying to make permanent establishments within arguments on connections of architecture with thinking, philosophy, urbanism, art and social sciences.  To contribute on developing theorethical productions related to the connections with art, architecture and philosophy. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Learning the basis of historical background of the dissemination and production of architectural knowledge.  Understanding the resurces of thought within architecture.  To write essays by using concepts common to architecture and philosophy.  To map and to analyze written resources of architectural thinking.  To develop emerging theoretical arguments in architecture and to practice conceptual thinking.  To evaluate the present critical arguments in architectural thinking. | | | | | | | |
| **TEXTBOOK** | | | | | Adolf Loos. 2014. Mimarlık Üzerine. Tr. Alp Tümertekin, Nihat Ülner. İstanbul: Janus.Alain Badiou. 2015. Model Kavramı. Tr. Alp Tümertekin. İstanbul: İthaki.Alois Riegl. 2015. Modern Anıt Kültü. Tr. Erdem Ceylan. İstanbul: Daimon.Baran Bilir. (tr., ed.) 2012. Gordon Matta-Clark. İstanbul: Lemis.Barış Çoban, Zeynep Özarslan. (ed. and tr.) 2008. Panoptikon. Gözün İktidarı. İstanbul: Su Yayın.Beatriz Colomina. 2011. Mahremiyet ve Kamusallık. Kitle İletişim Aracı Olarak Modern Mimari. Tr. Aziz Ufuk Kılıç. İstanbul: Metis.Georges Bataille. 1995. İç Deney. Tr. Mukadder Yakupoğlu. İstanbul: YKY.Gilles Deleuze. 2015. Anlamın Mantığı. Tr. Hakan Yücefer. İstanbul: Norgunk.Giorgio Agamben. 2001. Kutsal İnsan. Egemen İktidar ve Çıplak Hayat. Tr. İsmail Türkmen. İstanbul: Ayrıntı.Gottfried Semper. 2015. Mimarlığın Dört Ögesi ve İki Konferans. Tr. Alp Tümertekin, Nihat Ülner. İstanbul: Janus.Günther Fischer. 2015. Mimarlık ve Dil. Mimari Anlatım Sistemlerinin Temelleri. Tr. Fatma Erkman Akerson. İstanbul: Daimon.Heinrich Wölfflin. 2016. Mimarlık Psikolojisine Öndeyişler. Tr. Alp Tümertekin, Nihat Ülner. İstanbul: Janus.Henri Focillon. 2015. Biçimlerin Yaşamı. Tr. Alp Tümertekin. İstanbul: Janus.Henri Lefebvre. 2014. Mekânın Üretimi. Tr. Işık Ergüden. İstanbul: Sel Yayınları.Jacques Ranciére. 2010. Özgürleşen Seyirci. Tr. Burak Şaman. İstanbul: Metis.Judith Butler. 2008. Cinsiyet Belası. Feminizm ve Kimliğin Altüst Edilmesi. Tr. Başak Ertür. İstanbul: Metis.Ludwig Wittgenstein. 2007. Felsefi Soruşturmalar. Tr. Haluk Barışcan. İstanbul: Metis.Kojin Karatani. 2006. Metafor Olarak Mimari. Tr. Barış Yıldırım. İstanbul: Metis.Le Corbusier. 2013. Modulor. Tr. Aziz Ufuk Kılıç. İstanbul: YEM.Michel Foucault. 1994. Kelimeler ve Şeyler. Tr. Mehmet Ali Kılıçbay. Ankara: İmge.Michael Hays. 2015. Mimarlığın Arzusu. Geç Avangardı Okumak. Tr. Volkan Atmaca, Bahar Demirhan. İstanbul: YEM.Paul Virilio. 1998. Hız ve Politika. Dromoloji Üzerine Bir Deneme. Tr. Meltem Cansever. İstanbul: Metis.Peir Vittorio Aureli. 2015. Az Yeterlidir. Mimarlık ve Asketizm Üzerine. Tr. Baran Bilir. İstanbul: Lemis.Roland Barthes. 1996. Göstergeler İmparatorluğu. Tr. Tahsin Yücel. İstanbul: YKY.Slavoj Zizek. 2011. Ahir Zamanlarda Yaşarken. Tr. Erkan Ünal. İstanbul: Metis.Umberto Eco. 1992. Açık Yapıt. Tr. Yakup Şahan. İstanbul: Kabalcı.Vittorio Gregotti. 2015. Mimarlığın İçinde. Tr. Atilla Erol. İstanbul: Janus. | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Gilles Deleuze, Michel Foucault. |
| 2 | Giorgio Agamben, Jacques Ranciére. |
| 3 | Slavoj Zizek, Judith Butler, Beatriz Colomina. |
| 4 | Georges Bataille, Friedrich Nietzsche. |
| 5 | Ludwig Wittgenstein, Gordon Matta-Clark. |
| 6 | Midterm Examination 1 |
| 7 | Umberto Eco, Pier Vittori Aureli. |
| 8 | Gottfried Semper, Adolf Loos, Henri Focillon, Alois Riegl. |
| 9 | Le Corbusier, Peter Zumthor. |
| 10 | Jeremy Bentham, Paul Virilio, Gaston Bachelard. |
| 11 | Midterm Examination 2 |
| 12 | Alain Badiou, Kojin Karatani, Roland Barthes. |
| 13 | Günther Fischer, Vittorio Gregotti, Henri Lefebvre. |
| 14 | Heinrich Wölfflin, Michael Hays. |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Associate Prof. Dr. Levent Şentürk | **Date:** | | 18. 04. 2016 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | Joint Course for the Institute | **SEMESTER** | Fall-Spring |

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| **COURSE** | | | |
| **CODE** | 501011101 | **TITLE** | The Scientific Research Methods and Its Ethics |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| MSc-  Ph.D | 3 | | 0 | 0 | | | 3+0 | 7,5 | COMPULSORY  ( X ) | | ELECTIVE  (   ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| 1,5 | | 1,5 | | | |  | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | | 1 | | 40 |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 60 |
| **PREREQUISITE(S)** | | | | | None | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Science, the scientific thought and other fundamental concepts, the scientific research process and its techniques, Methodology: Data Collecting-Analysis-Interpretation, Reporting the scientific research (Preparation of a thesis, oral presentation, article, project), Ethics, Ethics of scientific research and publication. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The main objectives are: To examine the foundations of scientific research and the scientific research methods, to teach the principles of both the methodology and the ethics, to realize the process on a scientific research and to evaluate the results of research, to teach reporting the results of research (on a thesis, presentation, article). | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Applying the scientific research methods and the ethical rules in their professional life. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Gaining awareness on ethical principles at basic research methods, becoming skillful at analyzing and reporting the data obtained in scientific researches, being able to have researcher qualification with occupational sense of responsibility, having the scientific and vocational ethics’ understanding and being able to defend this understanding in every medium. | | | | | | | |
| **TEXTBOOK (Turkish)** | | | | | Karasar, N. (2015). Bilimsel Araştırma Yöntemi. Nobel Akademi Yayıncılık, Ankara. | | | | | | | |
| **OTHER REFERENCES** | | | | | **1-**Büyüköztürk, Ş., Çakmak, E. K., Akgün, Ö. E., Karadeniz, Ş., Demirel, F. (2012). Bilimsel Araştırma Yöntemleri. Pegem Akademi Yayınevi, Ankara.  **2-**Tanrıöğen, A. (Editör). (2014). Bilimsel Araştırma Yöntemleri. Anı Yayıncılık, Ankara.  **3-**Türkiye Bilimler Akademisi Bilim Etiği Komitesi. Bilimsel Araştırmada Etik ve Sorunları, Ankara: TÜBA Yayınları, (2002).  **4-**Ekiz, D. (2009). Bilimsel Araştırma Yöntemleri: Yaklaşım, Yöntem ve Teknikler. Anı Yayıncılık, Ankara.  **5-**Day, Robert A. (Çeviri: G. Aşkay Altay). (1996). Bilimsel Makale Nasıl Yazılır ve Nasıl Yayımlanır?, TÜBİTAK Yayınları, Ankara.  **6-**Özdamar, K. (2003). Modern Bilimsel Araştırma Yöntemleri. Kaan Kitabevi, Eskişehir.  **7-**Cebeci, S. (1997). Bilimsel Araştırma ve Yazma Teknikleri. Alfa Basım Yayım Dağıtım, İstanbul.  **8-**Wilson, E. B. (1990). An Introduction to Scientific Research. Dover Pub. Inc., New York.  **9-**Çömlekçi, N. (2001). Bilimsel Araştırma Yöntemi ve İstatistiksel Anlamlılık Sınamaları. Bilim Teknik Kitabevi, Eskişehir. | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Science, scientific thought and other basic concepts (University, history of university, higher education, science, scientific thought and other related concepts) |
| 2 | Science, scientific thought and other basic concepts (University, history of university, higher education, science, scientific thought and other related concepts) |
| 3 | The scientific research and its types (Importance of the scientific research, types of science, scientific approach) |
| 4 | The scientific research process and its techniques (Access to the scientific knowledge, literature search, determining the research issue, definition of the problem, planning) |
| 5 | The scientific research process and its techniques (Access to the scientific knowledge, literature search, determining the research issue, definition of the problem, planning) |
| 6 | The scientific research process and its techniques (Access to the scientific knowledge, literature search, determining the research issue, definition of the problem, planning) |
| 7 | The method and the approach: Collecting, analysis and interpretation of the data (Data, data types, measurement and measurement tools, collecting data, organizing data, summarizing data, analysis and the interpretation of data) |
| 8 | The method and the approach: Collecting, analysis and interpretation of the data (Data, data types, measurement and measurement tools, collecting data, organizing data, summarizing data, analysis and the interpretation of data) |
| 9 | Finalizing the scientific research (Reporting, preparing the thesis, oral presentation, preparing an article and a project) |
| 10 | Finalizing the scientific research (Reporting, preparing the thesis, oral presentation, preparing an article and a project) |
| 11 | Finalizing the scientific research (Reporting, preparing the thesis, oral presentation, preparing an article and a project) |
| 12 | Ethics, scientific research and publication ethics (Ethics, rules of ethics, occupational ethics, non-ethical behaviors) |
| 13 | Ethics, scientific research and publication ethics (Ethics, rules of ethics, occupational ethics, non-ethical behaviors) |
| 14 | Ethics, scientific research and publication ethics (Ethics, rules of ethics, occupational ethics, non-ethical behaviors) |
| 15,16 | Mid-term exam, Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE INSTITUTE’S GRADUATE PROGRAMME’S LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (M.Sc.-Ph.D.)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Having the scientific and vocational ethics’ understanding and being able to defend this understanding in every medium. | | |  | |  |  |
| **LO 2** | Being able to have researcher qualification with occupational sense of responsibility. | | |  | |  |  |
| **LO 3** | Becoming skillful at analyzing and reporting the data obtained in scientific researches. | | |  | |  |  |
| **LO 4** | Gaining awareness on ethical principles at basic research methods. | | |  | |  |  |
| **Prepared by :** | | |  | **Date:** | | 14.06.2016 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Architecture and Criticism |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | |  |  | | |  |  | COMPULSORY  (   ) | | ELECTIVE  ( + ) | TR, ENG. |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| + | |  | | | |  | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 1 | | 25 |
| Project | | | | |  | |  |
| Report | | | | | 1 | | 25 |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 50 |
| **PREREQUISITE(S)** | | | | | none | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Architecture and Criticism can be described as a continuation, (or better to say a further reseach phase), of another theoretical course, titled as "Architecture and Philosophy" (ie, GSNAS, Fall, MA) which is also based on theoretical resources produced by many thinkers, authors, architects, artists and urbanists from inside and outside of architecture.  The Architecture and Criticism course focuses on critical architectural and spatial problems within a range of works, authors, thinkers, etc. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To broaden architectural criticism, to read critical thinking materials extensively.  To enhance critical thinking millieu of architecture and to strengthen the connections between architecture and other millieus of thinking.  To read essays and works on critical thinking; and to produce new concepts and arguments within these works for architecture.  To develop a wider scale of knowledge on architectural ciriticsm.  Bringing forward critical thinking in architecture and to produce new texts. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Trying to make permanent establishments within arguments on connections of architecture with critical thinking, philosophy, urbanism, art and social sciences.  To contribute on developing critical productions related to the connections with art, architecture and philosophy. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Learning the basis of critical background of the dissemination and production of architectural knowledge.  Understanding the resurces of critical thought within architecture.  To write essays by using critical concepts common to architecture and philosophy.  To map and to analyze critical resources of architectural thinking.  To develop emerging theoretical arguments in architecture and to practice conceptual thinking.  To evaluate the present critical arguments in architectural thinking. | | | | | | | |
| **TEXTBOOK** | | | | | Adolf Loos. 2014. Mimarlık Üzerine. Çev. Alp Tümertekin, Nihat Ülner. İstanbul: Janus.Alain Badiou. 2015. Model Kavramı. Çev. Alp Tümertekin. İstanbul: İthaki.Beatriz Colomina. 2011. Mahremiyet ve Kamusallık. Kitle İletişim Aracı Olarak Modern Mimari. Çev. Aziz Ufuk Kılıç. İstanbul: Metis.Gilles Deleuze. 2015. Anlamın Mantığı. Çev. Hakan Yücefer. İstanbul: Norgunk.Giorgio Agamben. 2001. Kutsal İnsan. Egemen İktidar ve Çıplak Hayat. Çev. İsmail Türkmen. İstanbul: Ayrıntı.Gottfried Semper. 2015. Mimarlığın Dört Ögesi ve İki Konferans. Çev. Alp Tümertekin, Nihat Ülner. İstanbul: Janus.Henri Lefebvre. 2014. Mekânın Üretimi. Çev. Işık Ergüden. İstanbul: Sel Yayınları.Judith Butler. 2008. Cinsiyet Belası. Feminizm ve Kimliğin Altüst Edilmesi. Çev. Başak Ertür. İstanbul: Metis.Le Corbusier. 2013. Modulor. Çev. Aziz Ufuk Kılıç. İstanbul: YEM.Michel Foucault. 1994. Kelimeler ve Şeyler. Çev. Mehmet Ali Kılıçbay. Ankara: İmge.Roland Barthes. 1996. Göstergeler İmparatorluğu. Çev. Tahsin Yücel. İstanbul: YKY.Umberto Eco. 1992. Açık Yapıt. Çev. Yakup Şahan. İstanbul: Kabalcı. | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Gilles Deleuze. |
| 2 | Michel Foucault |
| 3 | Giorgio Agamben |
| 4 | Judith Butler |
| 5 | Beatriz Colomina |
| 6 | Midterm Examination 1 |
| 7 | Umberto Eco |
| 8 | Gottfried Semper |
| 9 | Le Corbusier |
| 10 | Peter Zumthor |
| 11 | Midterm Examination 2 |
| 12 | Alain Badiou |
| 13 | Henri Lefebvre |
| 14 | Michael Hays. |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Associate Prof. Dr. Levent Şentürk | **Date:** | | 22. 11. 2016 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Architecture and Play |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | |  |  | | |  |  | COMPULSORY  (   ) | | ELECTIVE  ( + ) | TR., ENG. |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| + | |  | | | |  | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | |  | |  |
| Report | | | | | 1 | | 25 |
| Seminar | | | | | 1 | | 25 |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 50 |
| **PREREQUISITE(S)** | | | | | NONE | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Architecture and Play is a theoretical course which explores the mostly ignored play factor that is rooted at the core of creative activity accompanying literature pieces, artworks and also theoretihcal texts on game/play theory.  Architecture and Play deals with the theoretical texts of authors like Huizinga's, Bernard Suits's; as well as fictions of Calvino, Perec, Batur and works of the Oulipo. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of the Architecture and Play course is to gain reflexions on the thought of game/play, both in the field of theory and within art; to discover the historical, cultural and architectural dimensions of the play phenomenon; to discuss the relationship between play and space; to criticize architecture in terms of play and to write on all the aspects mentioned above.  Architecture and Play is open to multidisciplinary discussions, historical evaluations and theortical readings/re-readings; it aims at taking a closer look into the role of play within architecture and design. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Architecture and play points out to the mostly ignored phenomenon of play in architectural design that resides in different spatial sources.  Architecture and Play, reshapes new visions on art, literature, history; re-evaluates architectural theory and practice accordingly in respect with play/game.  Architecture and Play makes contributions to fields like criticisms on space, cultural studies, architectural theory, readigs on art; however these contributions are not limited with these fields of study. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | To be acknowledged about the relationship of writings and artworks on game with architecture.  To understand relationships and methods of fictions on game with architecture.  To practice methods of play in architectural design.  To analyze artworks and the seconary literature.  To reach a new synthesis by the aid of the literature on play in architectural discussions and productions.  To evaluate architecture and play theory. | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | |
| **OTHER REFERENCES** | | | | | Alfred Jarry. 2003. Toplu Eserler. Tr. Işık Ergüden. Ankara: Dost.Bekir Onur. (ed.) 1994. Toplumsal Tarihte Çocuk. İstanbul: Tarih Vakfı Yurt Yayınları.Bernard Suits. 1995. Çekirge. Oyun, Yaşam ve Ütopya. Tr. Süha Sertabiboğlu. İstanbul: Ayrıntı.Catherine Harmon. 2004. You Are Here. Personal Geographies and Other Maps of the Imagination. NY: Princeton Architectural Press.Dani Cavallaro. 2010. The Mind of Italo Calvino. A Critical Exploration of His Thought and Writings. North Carolina, London: McFarland and Company.Enis Batur. 2015. Basit Bir Es. Kırmızı Kedi: İstanbul.Georges Perec. 2006. Kayboluş. Tr. Cemal Yardımcı. İstanbul: Ayrıntı.Georges Perec. 1993. Yaşam Kullanma Kılavuzu. Tr. İsmail Yergüz. İstanbul: Mitos.Gerald Raunig. 2012. Bin Makine. Toplumsal Hareket Olarak Makinenin Kısa Felsefesi. Tr. Münevver Çelik. İstanbul: Otonom.Gilles Deleuze, Felix Guattari. 2000. Kafka. Minör Bir Edebiyat İçin. Tr. Işık Ergüden, Özgür Uçkan. İstanbul: YKY.Giorgio Manganelli. 2006. Centuria. Yüz Küçük Irmak Roman. Tr. Sema Rifat. İstanbul: Alef.Harry Mathews, Alastair Brotchie. 1998. Oulipo Compendium. England: Atlas.İtalo Calvino. 2016. Bir Kış Gecesi Eğer Bir Yolcu. Tr. Eren Yücesan Cendey. İstanbul: YKY.İtalo Calvino. 1997. The Literature Machine. England: Vintage.İtalo Calvino. 1996. Kitaplarından Birini Nasıl Yazdım. Tr. Mehmet Rifat. İyi Şeyler: İstanbul.İtalo Calvino. 1996. Amerika Dersleri. Gelecek Binyıl İçin Altı Öneri. Tr. Kemal Atakay. İstanbul: Can.Johan Huizinga. 2013. Homo Ludens. Tr. M. Ali Kılıçbay. İstanbul: Ayrıntı.Jorge Luis Borges. 1992. Gölgeye Övgü. Tr. Münir H. Göle. İstanbul: İletişim.Julio Cortazar. 62 Maket Seti. Tr. Aslı Biçen. İstanbul: Ayrıntı.Lewis Carroll. 2015. Alis Harikalar Ülkesinde. Tr. Tomris Uyar. İstanbul: Can.Lewis Carroll. 2015. Alis'in Harikalar Diyarındaki Maceraları. Tr. Armağan Ekici. İstanbul: Norgunk.Michéle Audin, Harry Mathews, et al. 2013. Georges Perec and the Oulipo. Winter Journeys. 2011. London: Atlas.Neil Leach. (ed.) 1997. Rethinking Architecture. A Reader in Cultural Theory. London, New York: Routledge.Peter Mendelsund. 2015. Okurken Ne Görürüz? Tr. Özde Duygu Gürkan. İstanbul: Metis.Pierre Hadot. 2011. Wittgenstein ve Dilin Sınırları. Tr. Murat Erşen. Ankara: Doğu Batı.Roland Barthes. 1998. The Pleasure of the Text. Tr. Richard Miller. New York: Hill & Wang.Stanislaw Lem. 2012. Solaris. Tr. Mehmet Aközer. İstanbul: İletişim.Thierry Paquot. 2011. Şehirsel Bedenler. Tr. Zeynep Bengü. İstanbul: Everest.Sanat Dünyamız. 1999. (Ed.) M. Haydaroğlu. Sanat ve Çocuk. S. 71. İstanbul: YKY. | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Johan Huizinga |
| 2 | İtalo Calvino, Dani Cavallaro, Enis Batur |
| 3 | Wittgenstein |
| 4 | Bernard Suits |
| 5 | Roland Barthes |
| 6 | Midterm Examination 1 |
| 7 | Georges Perec |
| 8 | Harry Mathews |
| 9 | Thierry Paquot |
| 10 | Alfred Jarry |
| 11 | Midterm Examination 2 |
| 12 | Lewis Carroll |
| 13 | Peter Mendelsund |
| 14 | Julio Cortazar |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Associate Prof. Levent Şentürk | **Date:** | | 18. 04. 2016 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | INTRODUCTION TO PROJECT AND CONSTRUCTION MANAGEMENT |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | |  |  | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | TURKISH |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| 1 | | 1 | | | | 1 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 2 | | 25 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 50 |
| **PREREQUISITE(S)** | | | | | NO | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Inspection of project delivery systems, construction contracts and bidding documents, drawings and technical specifications, manufacturing lists, drawings and technical specification formats, contracts, general and special technical specifications, public procurement agency and construction works. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Informing and learning about procurement and contract documents. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | To be able to prepare a tender dossier at the required level and scale. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Ability to identify, develop and solve problems to improve existing physical conditions in the workplace.  Ability to analyze and interpret implementation and detail projects at the level and scale required in public procurement and at large scale firms. | | | | | | | |
| **TEXTBOOK** | | | | | Ekinci C.E., Bordo Kitap – Yapı ve Tasarımcının İnşaat El Kitabı, 2008, Data Yayınevi, Elazığ.Gold, F. and Joyce, N., 2009: Construction Project Management, Third Edition. Pearson Prentice Hall.Schaufelberger, J.E. and Holm, L., 2002: Management of Construction Projects, A Constructor’s Perspective. Prentice Hall. | | | | | | | |
| **OTHER REFERENCES** | | | | | Gold, F., 2005: Managing The Construction Process. Pearson Prentice Hall. | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Overview of laws and regulations related to public procurement. |
| 2 | Tendering methods used in project procurement |
| 3 | Tender methods used in construction works |
| 4 | Project and drawings required. |
| 5 | Preparation of tender dossier. |
| 6 | Midterm Examination 1 |
| 7 | Preparation of payment |
| 8 | Cost management tasks of architect and contruction manager. |
| 9 | Time management duties of architect and construction manager and preparation of work schedule. |
| 10 | Contracting-related tasks of the architect and construction manager. |
| 11 | Midterm Examination 2 |
| 12 | Analysis of current situation of public procurement law and problems in implementationf |
| 13 | Discussion of solutions for improving the implementation of the existing tender law |
| 14 | Investigation of tendering systems in different countries |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Yrd. Doç. Dr. Orkun ALPTEKİN | **Date:** | | 06.04.2017 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Accessibility in Historical Environments |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 5 | COMPULSORY  (   ) | | ELECTIVE  ( x ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
| 2 | | 0 | | | | 1 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 2 | | 60 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | | - | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Provision of accessibility criteria in the built environment within the scope of immovable cultural heritage. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To examine how the concepts of conservation and accessibility are shaped from the past to the present and how they are operated both internationally and nationally. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | -Co-assessment of protection and accessibility disciplines;  -Examination of the relationship between architectural design and these two disciplines. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | -To provide awareness about the disciplines of accessibility and preservation;  -Detailed information about the variables to be faced in the necessity of evaluation of architectural design together with preservation and accessibility. | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | |
| **OTHER REFERENCES** | | | | | All books, dissertations, articles and legislation texts related to the historical preservation and architectural accessibility | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Perspective of the historical preservation |
| 3 | Perspective of the architectural accessibility |
| 4 | Student presentations |
| 5 | Accessibility handicaps according to types of immovable cultural assets |
| 6 | Midterm Examination 1 |
| 7 | Student presentations |
| 8 | Superposition of preservation and accessibility legislations |
| 9 | Student presentations |
| 10 | International legislations and applications |
| 11 | Midterm Examination 2 |
| 12 | Student presentations |
| 13 | National legislations and applications |
| 14 | Student presentations |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assoc. Prof. Dr. Hasan Ünver | **Date:** | |  | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Narrative and Architecture |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( x ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | | 3 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 1 | | 60 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | | - | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | 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. Students are expected to work on the relationship between narrative and architecture in different disciplines as well as architecture discipline. | | | | | | | |
| **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.  Interrogating the concept of architectural narrative of different disciplines will provide valuable input. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | It is aimed to increase students' ability of thinking about architectural design processes and questioning concept of narrative.  It is aimed to help students especially students who will work in the field of architecture theory, narration, representation to build infrastructure for these issues. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | It is aimed to provide the students with the information infrastructure about the concepts of narration and representation within the course,  Analysis and synthesis of works belonging to different disciplines related to architecture discipline,  The evaluation and comprehension of the results of analysis and synthesis, The study of integrating these results into the discipline of architecture constitutes the main learning outputs of the course. | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | |
| **OTHER REFERENCES** | | | | | Architecture's Pretexts: Spaces of Translation. Aarati Kanekar, Architecture and Film, Architectural Design Journal, 1994. All architecture, design and art journals, Architecture data bases | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction, What is narrative? |
| 2 | Discussions on architecture and narrative |
| 3 | Narrative as part of architectural design process |
| 4 | Space, Perception and Narrative |
| 5 | Architecture, Representation and Narrative |
| 6 | Midterm Examination 1 |
| 7 | Architecture as part of narrative in different media |
| 8 | Literature and architectural narrative |
| 9 | Painting and architectural narrative |
| 10 | Cinema and architectural narrative |
| 11 | Midterm Examination 2 |
| 12 | Discussions on architectural narrative of known works |
| 13 | Discussions on architectural narrative of known works |
| 14 | Student presentations |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Dr. Türkan Nihan HACIÖMEROĞLU | **Date:** | | 04.04.2018 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Historic Urban Landscape |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 5 | COMPULSORY  (   ) | | ELECTIVE  ( x ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | | x | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | | 2 | | 60 |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | | - | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | UNESCO’s Historic Urban Landscape (HUL) concept and approach; investigation and evaluation of diverse design examples; development of design criteria for case studies. | | | | | | | |
| **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 managing design and change in these sites through analyses and sythesis. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | By following the latest international approaches on urban conservation, gaining the ability to manage and guide design and change in geographies rich in cultural heritage such as Anatolia. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Understanding UNESCO’s urban conservation approach; making analyses in stratified towns; preparing synthesis from analyses; and interpreting how 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. | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Course Introduction |
| 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) I I |
| 4 | Heading to landscape concept |
| 5 | Development of the HUL approach I |
| 6 | Midterm Examination 1 |
| 7 | Development of the HUL approach II |
| 8 | Cultural dimension I |
| 9 | Cultural dimension II |
| 10 | Morphological dimension |
| 11 | Midterm Examination 2 |
| 12 | HUL and urban design |
| 13 | Discussion through case study I |
| 14 | Discussion through case study II |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assist.Prof.Dr. Açalya Alpan | **Date:** | | 5.04.2018 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Organization of Architecture from the Ottoman |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | | 3 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 2 | | 50 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 50 |
| **PREREQUISITE(S)** | | | | | - | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Examination of the processes of architectural professional organizations in the Ottoman Empire and the Republic of Turkey; the current situation and the professional and public potential provided by professional organizations to architects. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | -To convey the process ranging from the “Cemiyet” in the Ottoman Empire; to the “Union of Chambers of Turkish Engineers and Architects” and the “Chamber of Architects”;  -In the context that architecture is not just a design discipline, to evaluate the effect of the professional organization on the architectural activities;  -To teach advantages and disadvantages of professional organizations. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | -To convey the managerial and organizational orientations of architecture to students, in addition to the design side.  -To teach this managerial and organizational context on the potential to influence job performance | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | - Increasing the awareness of the professional organization of students;  -To help help them to have general culture about architecture profession organization processes. | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | |
| **OTHER REFERENCES** | | | | | All books, dissertations, articles and legislation texts related to the professional organization of architecture | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction |
| 2 | Traditional actors od architecture |
| 3 | Ottoman architecturel organizations before the Westernization |
| 4 | Student presentations |
| 5 | Ottoman architecturel organizations after the Westernization |
| 6 | Midterm Examination 1 |
| 7 | Problems of the Ottoman architecturel organization |
| 8 | Actual actors of the architecture |
| 9 | Student presentations |
| 10 | Legislation of the TMMOB and the Chamber of Architects |
| 11 | Midterm Examination 2 |
| 12 | Problems of the Turkish Republic architecturel organization |
| 13 | Effects of architectural professional organization on working life |
| 14 | Student presentations |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Lecturer PhD. Hasan ÜNVER | **Date:** | | 03.04.2018 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Climate Change and Design |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | |  |  | | | 3 | 5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | | X | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | | 2 | | 30 |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | | 3 | | 45 |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 25 |
| **PREREQUISITE(S)** | | | | |  | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Environmental pyschology; environmental aesthetics; elements of townscape; urban form; form and climate; searches for new design | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of the course is bringing the students in searching for new designs in urban environment with human psychology, aesthetics and climate change in mind | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | The students will improve their understanding of professional ethics while searching for new designs in relation to climate change | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Understanding the relation between environmental aesthetics, environmental psychology and form; making morphological analyses; correlating form and climate change; and searching for new designs in urban environment | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | |
| **OTHER REFERENCES** | | | | | Gordon Cullen (1971) The Concise Townscape. London, The Architectural Press.Oliveira, Vitor (2016) Urban Morphology: An Introduction to the Study of the Physical Form of Cities. Springer International Publishing SwitzerlandKabisch, Nadja; Korn, Horst; Stadler, Jutta; Bonn, Aletta (2017) Nature‐based Solutions to Climate Change Adaptation in Urban Areas: Linkages between Science, Policy and Practice. Springer | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Course Introduction |
| 2 | Environmental Psychology I |
| 3 | Environmental Psychology II |
| 4 | Environmental Aesthetics I |
| 5 | Environmental Aesthetics II |
| 6 | Midterm Examination 1 |
| 7 | Elements of Townscape |
| 8 | City and Form I |
| 9 | City and Form II |
| 10 | Organised Complexity |
| 11 | Midterm Examination 2 |
| 12 | Design with Climate Change I |
| 13 | Design with Climate Change II |
| 14 | Design with Climate Change III |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assist.Prof.Dr. Açalya Alpan | **Date:** | | 04.11.2018 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCHITECTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Computational Design |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 2 | | 2 |  | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | |  | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | | 1 | | 30 |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | | 1 | | 30 |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | | X | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | The course covers two areas in design: research & computation.  Research: a series of seminars exploring Computational Design as a domain of creative research and mileu of academic inquiry needed for the planning and creation of inovative research projects.Computation: a series of seminars and practice providing an understanding of computational concepts and techniques in design. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To give students the tools to explore new design opportunities and critical  perspectives at the intersection of architecture, design and computation.  To develop skills in composing space and form with computational methods. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Understand the computational approaches, tools and methods in design.  Be able to follow related discourses and technologies.  Provide a firm bacground in current knowledge and its future potentials | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Students understand and make research on subjects such as artificial intelligence, architectural robotics, digital fabrication, simulation, computational geometry, responsive environments and shape grammars —as well as design interaction, fabrication and expression  Understand and solve design problems including the skills of problem identification, research and information gathering, analysis, generation of alternative solutions  Understand tools and technology, including their roles in the design.  Achieve specific tools and learn to demonstrate level-appropriate mastery of skills. | | | | | | | |
| **TEXTBOOK** | | | | | Kalay, Yehuda, Architecture's New Media. Cambridge, MA: MIT Press, 2004 | | | | | | | |
| **OTHER REFERENCES** | | | | | Burry, Mark (editor): Cyberspace: the World of Digital Architecture, Images Publishing Dist Ac, 2001Oosterhuis, Kas. Hyperbodies : toward an e-motive architecture, Birkhauser, 2003.Kolarevic, Branko, Architecture in the Digital Age: design and manufacturing, Taylor & Francis, 2003. | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction to Computational Design |
| 2 | Selected topics: presentations+seminars |
| 3 | Selected topics: presentations+seminars |
| 4 | Selected topics: presentations+seminars |
| 5 | Introduction to Computational design tools |
| 6 | Midterm Examination |
| 7 | Introduction to a Computational Project |
| 8 | Discussion and practice on topics+tools+projects |
| 9 | Discussion and practice on topics+tools+projects |
| 10 | Discussion and practice on topics+tools+projects |
| 11 | Discussion and practice on topics+tools+projects |
| 12 | Discussion and practice on topics+tools+projects |
| 13 | Discussion and practice on topics+tools+projects |
| 14 | Discussion and practice on topics+tools+projects |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Prof. Dr. HAKAN ANAY | **Date:** | | 11.5.2020 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCHITECTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | The Relation between Public Space and Architecture |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( x ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | | x | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 1 | | 20 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | | 3 | | 45 |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 35 |
| **PREREQUISITE(S)** | | | | | - | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Through exploring public space-architecture relation, the course involves brainstormings on architectural and urban spaces in history and in the future. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course aims to discuss on new approaches in design by questioning the concepts of sphere/space/place and private/public and the ontological arguments on the individual and society. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | The course has a direct contribution to the ideational dimension of social architecture and the social dimension of urban design. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | To comprehend the phenomena related to urban common life; to understand the differences among similar but intellectually different concepts and terms related to "space"; to be able to analyse various urban and architectural designs through diverse ontological arguments; to be able to evaluate the public space-architecture relations of different urban design and architecture movements' designs. | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | |
| **OTHER REFERENCES** | | | | | Carmona, M., De Magalhaes, C. & Hammond, L. (2008) Public Space, The Management Dimension (London: Routledge)Hee, L. (2017) Constructing Singapore Public Space. Advances in 21st Century Human Settlements. Springer Science+Business Media SingaporeMadanipour, A. (2003). Public and Private Spaces of the City. London: Routledge. A useful examination of the role of public space in city development.Madanipour, A. (2010) Whose Public Space? International case studies in urban design and development (ed.). RoutledgeQian, J. (2018) Public Space Beyond the West: Practices of Publicness and the Socio-spatial Entanglement. Springer Nature Singapore Pte Ltd. - | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction to the course |
| 2 | Individual and the society |
| 3 | Sphere/space distinction |
| 4 | Space/place distinction |
| 5 | Public/private distinction |
| 6 | Analyses of space in history I |
| 7 | Analyses of space in history II |
| 8 | Analyses of space in history III |
| 9 | Future space I |
| 10 | Future space II |
| 11 | Future space III |
| 12 | Whose public space? |
| 13 | Discussion |
| 14 | Discussion |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assist.Prof.Dr. Açalya Alpan | **Date:** | | 31.10.2019 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **EPARTMENT** | **ARCITECHTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Reading Architecture: Tools and Modes of Representation |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( x ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | |  | | | | 3 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 1 | | 60 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | | - | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | Within the scope of the course, it is aimed to develop discussions on the concept of representation, tools and methods, which are important tools of architectural design process and reading architecture. Representation tools and methods are used not only to define the design works, but also to give additional meaning and context to the designs. Students are expected to make researches, comments and discussions about the historical process and current debates in this field. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of the course is to provide the students with knowledge of the methods and tools of representation and represent the concept of representation, the relationship between architecture and the architectural perception. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Knowledge on the concept of representation, which is an important tool for architectural design process and reading architecture ,means of representation and perception, esp. for students who will work in the field of architectural theory, in terms of thinking and designing skills related to tools and methods will help students to build infrastructure. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | The main learning outcomes of the course are  To investigate the origins of means and methods of representation within the scope of the course.  Analysis and synthesis on the concept of representation,  To work on different methods of architectural reading,  Evaluation and comprehension of the results obtained as a result of analysis and synthesis,  The integration of these results into the discipline of architecture. | | | | | | | |
| **TEXTBOOK** | | | | | - | | | | | | | |
| **OTHER REFERENCES** | | | | | Susan Buck-Morss "Dialectics of Seeing"Pavel Florenski "Reverse Perspective"Maurice Merleau-Ponty "Phenomenology of Perception"Daniel Arasse "Take a Closer Look"Rudolf Arnheim "Visual Thinking"Aarati Kanekar "Architecture's Pretexts: Spaces of Translation" | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | First meeting and Introduction of the concepts |
| 2 | Tools and techniques for reading architecture |
| 3 | Origins of architectural representation |
| 4 | Perspective and projection |
| 5 | Drawing techniques |
| 6 | Midterm Examination 1 |
| 7 | Pattern, freehand drawing, mapping |
| 8 | 3 d models and architectural models |
| 9 | Modes of Representation and perception |
| 10 | Modes of Representation and presentation techniques |
| 11 | Midterm Examination 2 |
| 12 | Media and architecture |
| 13 | Student presentations and discussions |
| 14 | Student presentations and discussions |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Asst.Prof.Dr. Türkan Nihan HACIÖMEROĞLU | **Date:** | | 18.11.2020 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCHITECTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** | Special Topics in Computational Design |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | |  |  | | | 3 | 7,5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | | 1 | | 40 |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 60 |
| **PREREQUISITE(S)** | | | | | X | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | The course focuses on how computational design has emerged from  the discipline of architecture and how it has afected it.  The course will track a range of issues under the category of to the‘digital turn’ and critically link them to the debates within design culture. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To introduce the role of theory in computational architectural design. providing students to a new way of the design through computational and the digital.    The course will serve as a foundation for students to achieve basic knowledge of architectural computation(its history, basic concepts and theoretical formations) | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | Understand the computational approaches, tools and methods in design.  Be able to follow related discourses and technologies.  Provide a firm bacground in current knowledge and future potentials of the field. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | Students will understand some basic discursive concepts like Algorithm, Folding in Architecture, Nonlineraity, Hypersurfaces, Parametric Thinking vs. Parametricism  They will learn making research on subjects such as artificial intelligence, architectural robotics, digital fabrication, simulation, computational geometry, responsive environments and shape grammars —as well as design interaction, fabrication and expression  They will understand design problems including the skills of problem identification, research and information gathering, analysis, generation of alternative solutions  Finally, they will understand tools and technology, including their roles in the design. | | | | | | | |
| **TEXTBOOK** | | | | | Carpo, M. (2013). The digital turn in architecture 1992-2012. Chichester, Wiley | | | | | | | |
| **OTHER REFERENCES** | | | | | Lawson, Brian, How Designers Think: THe Design Process Demystified,Oxford, Butterworth, 1990.Menges, A. and S. Ahlquist (2011). Computational design thinking. Chichester, UK, John Wiley & Sons.Oxman, R. and R. Oxman (2014). Theories of the digital in architecture. Oxen OX14 4RN and New York, NY, Routledge.Picon, A. (2010). Digital Culture in Architecture: An Introduction for the Design Profession. Bassel, Germany, BirkhäuserSchön, D.,A.,The Reflective Practitioner: How Professionals Think in Action, New York, Basic Books, 1983.Kalay, Yehuda, Architecture's New Media. Cambridge, MA: MIT Press, 2004Oosterhuis, Kas. Hyperbodies : toward an e-motive architecture, Birkhauser, 2003.Kolarevic, Branko, Architecture in the Digital Age: design and manufacturing, Taylor & Francis, 2003. | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction & selection and distribution of Topics |
| 2 | Selected topics: presentations+seminars |
| 3 | Selected topics: presentations+seminars |
| 4 | Selected topics: presentations+seminars |
| 5 | Selected topics: presentations+seminars |
| 6 | Midterm Examination |
| 7 | Selected topics: presentations+seminars |
| 8 | Selected topics: presentations+seminars |
| 9 | Selected topics: presentations+seminars |
| 10 | Selected topics: presentations+seminars |
| 11 | Selected topics: presentations+seminars |
| 12 | Selected topics: presentations+seminars |
| 13 | Final presentations |
| 14 | Final presentations |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Dr. Öğr. Üyesi ÜLKÜ ÖZTEN | **Date:** | | 11.5.2020 | | | |

**Signature**:

**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | **ARCHITECTURE (MSc)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** | 504002533 | **TITLE** | Occupant Behavior in Buildings |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **MSc** | 3 | | 0 | 0 | | | 0 | 5 | COMPULSORY  (   ) | | ELECTIVE  ( X ) | Turkish |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
|  | | 1 | | | | 2 | | | | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | | 3 | | 60 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (     ) | | | | |  | |  |
| **Final Examination** | | | | | | | 40 |
| **PREREQUISITE(S)** | | | | |  | | | | | | | |
| **SHORT COURSE CONTENT** | | | | | The gap between the predicted and actual energy consumption observed in building energy performance simulation studies is called the building performance gap, and a significant part of this gap is attributed to the energy-related behaviors of the building occupants. The development of mathematical models to represent building occupant behavior is a novel and prevelant research area. Therefore, the scope of this course focuses on occupant behavior modeling for the graduate students to follow the recent literature and comprehend related approaches and methodologies. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course aims to deliver students basic knowledge on the data collection approaches and methodologies on the energy-related occupant behavior in buildings and the integration of relevant mathematical models within simulation programs. | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | | The contents of this course enables specialization in building performance assessment. In academic and professional prospects, the graduate students acquire applied and theoretical knowledge and skills to participate in innovative processes related to building energy modeling and assessment. | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | | 1. Comprehending the methods used for knowledge inquiry in the interdisciplinary domains of architecture.  2. Acknowledging the procedures and processes in data collection on building occupant behavior.  3. Understanding the analysis approaches for building occupant behavior.  4. Evaluating occupant behavior through appropriate mathematical models. | | | | | | | |
| **TEXTBOOK** | | | | | Yan and Hong, 2018, IEA-EBC Annex 66 - Definition and Simulation of Occupant Behavior in Buildings, LBNL | | | | | | | |
| **OTHER REFERENCES** | | | | | Hong et al., 2017, Ten questions concerning occupant behavior in buildings: The big picture, Building and Environment, Volume 114, March 2017, Pages 518-530Balvedi et al., 2018, A review of occupant behaviour in residential buildings, Energy and Buildings, Volume 174, 1 September 2018, Pages 495-505Carlucci et al., 2020, Modeling occupant behavior in buildings, Building and Environment, Volume 174, May 2020, 106768Jia et al., 2017, From occupancy to occupant behavior: An analytical survey of data acquisition technologies, modeling methodologies and simulation coupling mechanisms for building energy efficiency, Renewable and Sustainable Energy Reviews, Volume 68, Part 1, February 2017, Pages 525-540Hong et al.,2015, An ontology to represent energy-related occupant behavior in buildings. Part I: Introduction to the DNAs framework, Building and Environment, Volume 92, October 2015, Pages 764-777O'Brien and Günay, 2014, The contextual factors contributing to occupants' adaptive comfort behaviors in offices – A review and proposed modeling framework, Building and Environment, Volume 77, July 2014, Pages 77-87Li et al. 2015, Probability of occupant operation of windows during transition seasons in office buildings, Renewable Energy, Volume 73, January 2015, Pages 84-91von Grabe, 2016, How do occupants decide their interactions with the building? From qualitative data to a psychological framework of human-building-interaction, Energy Research & Social Science, Volume 14, April 2016, Pages 46-60 | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 | Definition of the Energy-Related Occupant Behavior in Buildings |
| 2 | The Relationship between the Building and the Occupant |
| 3 | The Effect of the Socio-Economic Drivers on the Relationship between the Occupant Behavior and the Building |
| 4 | Data Collection for Occupant Behavior: Qualitative Methods |
| 5 | Data Collection for Occupant Behavior: Quantitative Methods I |
| 6 | Data Collection for Occupant Behavior: Quantitative Methods II |
| 7 | Data Collection for Occupant Behavior: Quantitative Methods III |
| 8 | Midterm - Homework |
| 9 | Modeling and Simulation Integration: Deterministic Approaches |
| 10 | Modeling and Simulation Integration: Stochastic Approaches I |
| 11 | Modeling and Simulation Integration: Stochastic Approaches II |
| 12 | Modeling and Simulation Integration: Data Mining Approaches |
| 13 | Modeling and Simulation Integration: Agent Based Approaches I |
| 14 | Modeling and Simulation Integration: Agent Based Approaches II |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE ARCITECHTURE MSc PROGRAM LEARNING OUTCOMES** | | | | **CONTRIBUTION LEVEL** | | | |
| **NO** | **LEARNING OUTCOMES (MSc)** | | | **3**  High | | **2**  Mid | **1**  Low |
| **LO 1** | Knowledge of design, making, data collection, analysis of outcomes and interpretations of them in order to study architectural problems. | | |  | |  |  |
| **LO 2** | Knowledge of the determination and definition of different architectural problems and the selection of appropriate design and analysis methods in architecture and related fields. | | |  | |  |  |
| **LO 3** | Knowledge of developing, using and selecting essential modern techniques and devices for architectural projects and effective utilization of information technologies. | | |  | |  |  |
| **LO 4** | Adequate knowledge on architecture; ability of using theoretical and practical knowledge in order to analysis, investigate and solve the architectural problems. | | |  | |  |  |
| **LO 5** | Verbal and literal communication abilities in Turkish and enhancement of foreign languages skills. | | |  | |  |  |
| **LO 6** | Ability of individual study and being member of a team in disciplinary or interdisciplinary studies. | | |  | |  |  |
| **LO 7** | Knowledge of professional and ethical responsibilities. | | |  | |  |  |
| **LO 8** | Knowledge of professional practice in project design and construction; awareness of innovation, sustainable development and enterpreneurship. | | |  | |  |  |
| **LO 9** | Consciousness to necessity of lifelong learning; ability of getting information, pursuing developments in science and self-renovation. | | |  | |  |  |
| **LO 10** | Effects of architectural applications on health, environment and safety on global scale; awarness of national and international standards and legislations for architectural design. | | |  | |  |  |
| **Prepared by :** | | | Assoc. Prof. Dr. Başak GÜÇYETER | **Date:** | | November 04, 2022 | | | |

**Signature**: