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| **Eskisehir Osmangazi University Faculty of Dentistry** | | | | | | | | | | | | | | | | | | | | |
| **2022-2023 EDUCATION PROGRAMME** | | | | | | | | | | | | | | | | | | | | |
| **DESCRIPTION** | |  |  | |  | |  | |  | | |  | |  | |  | | | |  | |
| Annual Course | | **Y** |  | |  | |  | |  | | |  | |  | |  |  |
| Semester Course | | **D** |  | |  | |  | |  | | |  | |  | |  | | | |  | |
| Electıve Course | | **S** |  | |  | |  | |  | | |  | |  | |  | | | |  | |
| European Credit Transfer System | | **ECTS** |  | |  | |  | |  | | |  | |  | |  | | | |  | |
|  | |  |  | | **Semester** | | | | | | | | |  | |  | | | |  | |
|  |  | **Course Code** | **Fall** | | **Fall** | | **Spring** | | | **Spring** | | **Total Lesson Hour** | | **Course Credıt** | | | |  | |
| **S. NO** | **1.CLASS** | **Semester** | | **Theory** | | **Pratice** | | **Theory** | | | **Pratice** | | **ECTS** | |
| 1 | Atatürk Principles and Revolution History | 161112015 | Y | | 2 | |  | | 2 | | |  | | 4 | | 4 | | | | 4 | |
| 2 | Turkish Language | 161112001 | Y | | 2 | |  | | 2 | | |  | | 4 | | 4 | | | | 4 | |
| 3 | Foreign Language | 161112002 | Y | | 2 | |  | | 2 | | |  | | 4 | | 4 | | | | 4 | |
| 4 | Biostatistics and computer | 161112003 | Y | | 2 | |  | | 2 | | |  | | 4 | | 4 | | | | 5 | |
| 5 | Behavorial Sciences | 161112004 | Y | | 1 | |  | | 1 | | |  | | 2 | | 2 | | | | 2 | |
| 6 | Prosthodontics I | 161112005 | Y | | 2 | | 6 | | 2 | | | 6 | | 16 | | 10 | | | | 14 | |
| 7 | Biochemistry | 161112006 | Y | | 2 | | 1 | | 2 | | | 1 | | 6 | | 5 | | | | 6 | |
| 8 | Socıal Electıve Course |  | Y-S | | 1 | |  | | 1 | | |  | | 2 | | 0 | | | | 2 | |
| 9 | Organic Chemistry | 161112007 | D | | 1 | |  | |  | | |  | | 1 | | 2 | | | | 2 | |
| 10 | History of Dentistry | 161112008 | Y | | 1 | |  | | 1 | | |  | | 2 | | 2 | | | | 2 | |
| 11 | Anatomy I | 161112009 | Y | | 1 | | 1 | | 1 | | | 1 | | 4 | | 3 | | | | 4 | |
| 12 | Physics | 161111001 | D | | 2 | |  | |  | | |  | | 2 | | 2 | | | | 2 | |
| 13 | Epidemiology | 161111002 | D | | 1 | |  | |  | | |  | | 1 | | 1 | | | | 1 | |
| 14 | Medical Biology | 161111003 | D | | 2 | |  | |  | | |  | | 2 | | 2 | | | | 3 | |
| 15 | Biophysics | 161112016 | D | |  | |  | | 2 | | |  | | 2 | | 2,5 | | | | 3 | |
| 16 | Medical Genetics | 161112011 | D | |  | |  | | 2 | | |  | | 2 | | 2 | | | | 2 | |
|  |  |  | **TOTAL** | | **22** | | **8** | | **20** | | | **8** | | **58** | | **49,5** | | | | **60** | |
|  | SOCIAL ELECTIVE COURSE |  |  | |  | |  | |  | | |  | |  | |  | | | |  | |
|  |  |  |  | |  | |  | |  | | |  | |  | |  | | | |  | |
|  | Garden Design, Treating And Greenhause Culture | 161112013 |  | |  | |  | |  | | |  | |  | |  | | | |  | |
|  | Physical Education | 161112014 |  | |  | |  | |  | | |  | |  | |  | | | |  | |
|  | |  |  | | **Semester** | | | | | | | | |  | |  | | | |  | |
|  |  | **Course Code** | **Fall** | | **Fall** | | **Spring** | | | **Spring** | | **Total Lesson Hour** | | **Course Credıt** | | | |  | |
| **S. NO** | **2. CLASS** | **Semester** | | **Theory** | | **Pratice** | | **Theory** | | | **Pratice** | | **ECTS** | |
| 1 | Histology-embriology | 161114003 | Y | | 2 | | 1 | | 2 | | | 1 | | 6 | | 5 | | | | 6 | |
| 2 | Physiology | 161114011 | Y | | 4 | |  | | 4 | | |  | | 8 | | 5 | | | | 5 | |
| 3 | Anatomy II | 161114005 | Y | | 2 | | 2 | | 2 | | | 2 | | 8 | | 6 | | | | 6 | |
| 4 | Microbiology-Bacteriology | 161114006 | Y | | 2 | | 1 | | 2 | | | 1 | | 6 | | 5 | | | | 6 | |
| 5 | Restorative Dentistry I | 161114007 | Y | | 2 | | 4 | | 2 | | | 4 | | 12 | | 8 | | | | 9 | |
| 6 | Prosthodontics II | 161114008 | Y | | 2 | | 8 | | 2 | | | 8 | | 20 | | 12 | | | | 12 | |
| 7 | Material Sciences | 161114009 | Y | | 2 | |  | | 2 | | |  | | 4 | | 4 | | | | 4 | |
| 8 | Professional English | 161114010 | Y | | 2 | |  | | 2 | | |  | | 4 | | 4 | | | | 4 | |
| 9 | Oral Diagnosis I | 161114012 | Y | | 1 | |  | | 1 | | |  | | 2 | | 1 | | | | 2 | |
| 10 | Oral Biochemistry | 161113002 | D | | 1 | | 1 | |  | | |  | | 2 | | 1,5 | | | | 2 | |
| 11 | Oral Microbiology | 161114001 | D | |  | |  | | 1 | | | 1 | | 2 | | 1,5 | | | | 2 | |
| 12 | Endodontics I | 161114002 | D | |  | |  | | 2 | | |  | | 2 | | 2 | | | | 2 | |
|  |  |  | **TOTAL** | | **20** | | **17** | | **22** | | | **17** | | **76** | | **55** | | | | **60** | |
|  |  |  |  | |  | |  | |  | | |  | |  | |  | | | |  | |
|  | |  |  | | **Semester** | | | | | | | | |  | |  | | | |  | |
|  |  | **Course Code** | **Fall** | | **Fall** | | **Spring** | | **Spring** | | | **Total Lesson Hour** | | **Course Credıt** | | | |  | |
| **S. NO** | **3. CLASS** | **Semester** | | **Theory** | | **Pratice** | | **Theory** | | **Pratice** | | | **ECTS** | |
| 1 | Oral Anesthesia I | 161116002 | Y | | 1 | |  | | 1 | |  | | | 2 | | 2 | | | | 2 | |
| 2 | Pharmacology | 161116003 | Y | | 2 | |  | | 2 | |  | | | 4 | | 4 | | | | 4 | |
| 3 | Orthodontics I | 161116015 | Y | | 1 | |  | | 1 | |  | | | 2 | | 2 | | | | 3 | |
| 4 | Restorative Dentistry II | 161116005 | Y | | 1 | | 7 | | 1 | | 7 | | | 16 | | 9 | | | | 9 | |
| 5 | Prosthodontics III | 161116006 | Y | | 2 | | 7 | | 2 | | 7 | | | 18 | | 11 | | | | 11 | |
| 6 | Oral Diagnosis and Radiology I | 161116007 | Y | | 1 | |  | | 1 | |  | | | 2 | | 2 | | | | 3 | |
| 7 | Oral, Dental And Jaw Surgery I | 161116016 | Y | | 2 | |  | | 2 | |  | | | 4 | | 4 | | | | 5 | |
| 8 | Periodontology I | 161116017 | Y | | 2 | |  | | 2 | |  | | | 4 | | 4 | | | | 5 | |
| 9 | Pathology | 161116010 | Y | | 2 | |  | | 2 | |  | | | 4 | | 4 | | | | 5 | |
| 10 | Pediatric Dentistry I | 161116011 | Y | | 1 | |  | | 1 | |  | | | 2 | | 2 | | | | 3 | |
| 11 | Fırst Aıd And Emergency Services | 161116018 | Y | | 1 | |  | | 1 | |  | | | 2 | | 2 | | | | 3 | |
| 12 | Endodontics | 161116013 | Y | | 2 | | 2 | | 2 | | 2 | | | 8 | | 6 | | | | 6 | |
| 13 | Ethics And Deontology | 161116001 | D | |  | |  | | 1 | |  | | | 1 | | 1 | | | | 1 | |
| 14 | Clinical Observation | 161116014 | Y | |  | | 4 | |  | | 4 | | | 8 | | 0 | | | | 0 | |
|  | |  | **TOTAL** | | **18** | | **20** | | **19** | | **20** | | | **77** | | **53** | | | | **60** | |
|  |  |  |  | |  | |  | |  | |  | | |  | |  | | | |  | |
|  |  |  |  | |  | |  | |  | |  | | |  | |  | | | |  | |
|  | |  |  | | **Semester** | | | | | | | | |  | |  | | | |  | |
|  |  | **Course Code** | **Fall** | | **Fall** | | **Spring** | | | **Spring** | | **Total Lesson Hour** | | **Course Credıt** | | | |  | |
| **S. NO** | **4. CLASS** | **Semester** | | **Theory** | | **Pratice** | | **Theory** | | | **Pratice** | | **ECTS** | |
| **1** | Orthodontics II | 161118002 | Y | | 2 | |  | | 2 | | |  | | 4 | | 4 | | | | 5 | |
| **2** | Prosthodontics IV | 161118003 | Y | | 2 | |  | | 2 | | |  | | 4 | | 4 | | | | 5 | |
| **3** | Endodontics III | 161118004 | Y | | 1 | |  | | 1 | | |  | | 2 | | 2 | | | | 4 | |
| **4** | Oral Diagnosis and Radiology II | 161118005 | Y | | 2 | |  | | 2 | | |  | | 4 | | 4 | | | | 5 | |
| **5** | Oral, Dental And Jaw Surgery II | 161118006 | Y | | 1 | |  | | 1 | | |  | | 2 | | 2 | | | | 5 | |
| **6** | Periodontology II | 161118007 | Y | | 2 | |  | | 2 | | |  | | 4 | | 4 | | | | 5 | |
| **7** | Pediatric Dentistry II | 161118008 | Y | | 2 | |  | | 2 | | |  | | 4 | | 4 | | | | 5 | |
| **8** | Restorative Dentistry III | 161118009 | Y | | 1 | |  | | 1 | | |  | | 2 | | 2 | | | | 3 | |
| **9** | Oral and Maxillofacial Diseases | 161117001 | D | | 2 | |  | |  | | |  | | 2 | | 2 | | | | 2 | |
| **10** | Oral Implantology | 161118001 | D | |  | |  | | 2 | | |  | | 2 | | 2 | | | | 2 | |
| **11** | Clinicial Training |  | Y | | 0 | | 20 | | 0 | | | 20 | | 40 | | 18 | | | | 19 | |
|  | |  | **TOTAL** | | **15** | | **20** | | **15** | | | **20** | | **70** | | **48** | | | | **60** | |
|  |  |  |  | |  | |  | |  | | |  | |  | |  | | | |  | |
|  |  |  |  | |  | |  | |  | | |  | |  | |  | | | |  | |
| **4. Class Clinicial Training** | | **Course  Code** | **Semester** | | **Theory** | | **Pratice** | | **Course  Credıt** | | | **ECTS** | |  | |  | | | |  | |
| **1** | Clinicial Training I of Orthodontics | 161118018 | Y | |  | | 18 | | 2 | | | 2 | |  | |  | | | |  | |
| **2** | Clinicial Training I of Restorative Dentistry | 161118019 | Y | |  | | 18 | | 2 | | | 2 | |  | |  | | | |  | |
| **3** | Clinicial Training I of Prosthodontics | 161118020 | Y | |  | | 36 | | 4 | | | 5 | |  | |  | | | |  | |
| **4** | Clinicial Training I of Endodontics | 161118021 | Y | |  | | 18 | | 2 | | | 2 | |  | |  | | | |  | |
| **5** | Clinicial Training I of Oral Diagnosis and Radiology | 161117001 | Y | |  | | 18 | | 2 | | | 2 | |  | |  | | | |  | |
| **6** | Clinicial Training I of Oral and Maxillofacial Surgery | 161118023 | Y | |  | | 36 | | 2 | | | 2 | |  | |  | | | |  | |
| **7** | Clinicial Training I of Pedodontics | 161118024 | Y | |  | | 18 | | 2 | | | 2 | |  | |  | | | |  | |
| **8** | Clinicial Training I of Periodontics | 161118025 | Y | |  | | 18 | | 2 | | | 2 | |  | |  | | | |  | |
|  | |  | **TOTAL** | | **0** | | **180** | | **18** | | | **19** | |  | |  | | | |  | |
|  | |  | |  | |  | |  | | |  | |  | |  | | | |  | |
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|  | |  |  | | **Semester** | | | | | | | | |  | |  | | | |  | |
|  |  | **Course Code** | **Fall** | | **Fall** | | **Spring** | | | **Spring** | | **Total Lesson Hour** | | **Course Credıt** | | | |  | |
| **S. NO** | **5. CLASS** | **Semester** | | **Theory** | | **Pratice** | | **Theory** | | | **Pratice** | | **ECTS** | |
| **1** | Oral, Dental And Jaw Surgery III | 161120001 | Y | | 1 | |  | | 1 | | |  | | 2 | | 2 | | | | 2 | |
|  | Seminar | 161120002 | Y | | 1 | |  | | 1 | | |  | | 2 | | 2 | | | | 4 | |
| **2** | Jaw Face Prosthesis | 161120004 | D | |  | |  | | 1 | | |  | | 1 | | 1 | | | | 2 | |
| **3** | General Surgery | 161119001 | D | | 1 | |  | |  | | |  | | 1 | | 1 | | | | 2 | |
| **4** | Internal Diseases - Hematology | 161119002 | D | | 1 | |  | |  | | |  | | 1 | | 1 | | | | 2 | |
| **5** | Disorders Of The Temporomendibular Joint And Ted. | 161119003 | D | | 1 | |  | |  | | |  | | 1 | | 1 | | | | 2 | |
| **6** | Eye Diseases | 161119004 | D | | 1 | |  | |  | | |  | | 1 | | 1 | | | | 2 | |
| **7** | Skin and Veneral Diseases | 161119005 | D | | 1 | |  | |  | | |  | | 1 | | 1 | | | | 2 | |
| **8** | Examination Direct. And Ergonomics | 161120005 | D | |  | |  | | 1 | | |  | | 1 | | 1 | | | | 2 | |
| **9** | Ear Nose Throat Diseases | 161119006 | D | | 1 | |  | |  | | |  | | 1 | | 1 | | | | 2 | |
| **10** | Neurology | 161119007 | D | | 1 | |  | |  | | |  | | 1 | | 1 | | | | 2 | |
| **11** | Topographic Head-Neck Anatomy | 161120006 | D | |  | |  | | 1 | | |  | | 1 | | 1 | | | | 2 | |
| **12** | Research Tech. and Presentation | 161119008 | D | |  | |  | |  | | |  | | 1 | | 1 | | | | 2 | |
| **13** | Community Oral - Dental Health | 161120007 | D | |  | |  | | 1 | | |  | | 1 | | 1 | | | | 2 | |
| **14** | Psychiatry | 161120008 | D | |  | |  | | 1 | | |  | | 1 | | 1 | | | | 2 | |
| **15** | Forensic And Forensic Dentist | 161120009 | D | |  | |  | | 1 | | |  | | 1 | | 1 | | | | 2 | |
| **16** | Medical Criminal Law | 161120010 | D | |  | |  | | 1 | | |  | | 1 | | 1 | | | | 2 | |
| **17** | Restorative Dentistry IV | 161120003 | D | | 1 | |  | | 1 | | |  | | 1 | | 1 | | | | 2 | |
| **18** | Digital Dentistry | 161119009 | D | | 1 | |  | |  | | |  | | 1 | | 1 | | | | 2 | |
| **19** | Clinical Training |  | Y | | 0 | | 20 | |  | | | 20 | | 40 | | 19 | | | | 20 | |
|  |  |  | **TOTAL** | | **11** | | **20** | | **10** | | | **20** | | **61** | | **40** | | | | **60** | |
|  |  |  |  | |  | |  | |  | | |  | |  | |  | | | |  | |
| **5. Class Clinicial Training** | | **Course  Code** | **Semester** | | **Theory** | | **Pratice** | | **Course  Credıt** | | | **ECTS** | |  | |  | | | |  | |
| **1** | Clinicial Training II of Orthodontics | 161120019 | Y | |  | | 18 | | 2 | | | 2 | |  | |  | | | |  | |
| **2** | Clinicial Training II of Restorative Dentistry | 161120020 | Y | |  | | 18 | | 2 | | | 2 | |  | |  | | | |  | |
| **3** | Clinicial Training II of Prosthodontics | 161120021 | Y | |  | | 36 | | 4 | | | 4 | |  | |  | | | |  | |
| **4** | Clinicial Training II of Endodontics | 161120022 | Y | |  | | 18 | | 2 | | | 2 | |  | |  | | | |  | |
| **5** | Clinicial Training II of Oral Diagnosis and Radiology | 161120023 | Y | |  | | 18 | | 2 | | | 2 | |  | |  | | | |  | |
| **6** | Clinicial Training II of Oral and Maxillofacial Surgery | 161120024 | Y | |  | | 36 | | 4 | | | 4 | |  | |  | | | |  | |
| **7** | Clinicial Training II of Pedodontics | 161120025 | Y | |  | | 18 | | 2 | | | 2 | |  | |  | | | |  | |
| **8** | Clinicial Training II of Periodontics | 161120026 | Y | |  | | 18 | | 2 | | | 2 | |  | |  | | | |  | |
|  | |  | **TOTAL** | | **0** | | **180** | | **20** | | | **20** | |  | |  | | | |  | |
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|  | |  | |  | | |  | |  | |  | | | |  | |
|  | **TOTAL CREDITS** | | | **245,5** | |  | |  | |  | | |  | |  | | | |  | |
|  | **Total Lesson Hour** | | | **342** | |  | |  | |  | | |  | |  | | | |  | |
|  | **TOTAL ECTS** |  |  | | **300** | |  | |  | | |  | |  | |  | | | |  | |
|  | **SEMINAR** |  |  | | **4** | |  | |  | | |  | |  | |  | | | |  | |

**ESOGU Faculty of DentIstry**

**COURSE INFORMATION FORM**

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| --- | --- |
| **CLASS** | 1 |

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| **COURSE CODE** | 161112015 | **COURSE NAME** | Atatürk’s Pr. & The History of Rev. I-II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Laboratory** | | | **Credit** | **ECTS** | **TYPE** | | **LANGUAGE** |
| 1-2 | 4 | | 0 | 0 | | | 4 | 4 | COMPULSORY ( x) ELECTIVE ( ) | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | |
| **General Literature** | | **Foreign Languages** | | | | **Comparative Literature** | | | | | **Social Science** |
|  | |  | | | |  | | | | | x |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | |
| **MID-TERM EXAM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** |
| 1st Mid-Term | | | | | 1 | 30 |
| 2nd Mid-Term | | | | | 1 | 30 |
| Quiz | | | | |  |  |
| Homework | | | | |  |  |
| Project | | | | |  |  |
| Report | | | | |  |  |
| Others (………) | | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | 40 |
| **PREREQUIEITE(S)** | | | | | None | | | | | | |
| **COURSE DESCRIPTION** | | | | | The Description of the term “revolution”; major historical events in the Ottoman Empire to the end of World War I; a general overview of Mustafa Kemal’s life; certain associations and their activities; arrival of Mustafa Kemal to Samsun; the congresses, gathering of the last Ottoman Assembly and the proclamation of the “national oath”; opening of the Turkish Grand National Assembly; War of independence to the Victory of Sakarya; Victory of Sakarya; financial sources of the war of independence; grand counter-attack; Armistice of Mudanya; abolution of the Sultanate; Peace Conference of Lausanne. | | | | | | |
| **COURSE OBJECTIVES** | | | | | To help the students to appreciate the hard conditions under which the war of independence, under the leadership of Mustafa Kemal, was fought and how an independent Turkish state was created. | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | To underline the idea that the national unity based on the principle “peace in the country peace in the world” can only be achieved through political, economic and military progress. | | | | | | |
| **COURSE OUTCOMES** | | | | | At the end of this course; students  Explains Principles of Atatürk and main concepts related to Revolution  Explians the concepts of Reform/Revolution, Describes the concept of National Forces, Explains the concepts of Republic/Democracy, Explains the main points of the period related to Turkish War of Independence and foundation of the Turkish State, Explains the developments at Ottoman Empire before Turkish Revolution, Describes the World War I and its results,.Explains Turkish War of Independence, Recognizes Turkish Revolution, Explains the relations problems between Turkey and its neighbours, Explains the importance of Turkey at Europe and World. | | | | | | |
| **TEXTBOOK** | | | | | Gazi Mustafa Kemal Atatürk, Nutuk (Söylev), C. I-II, TTK., Ank., 1986.  İmparatorluktan Ulus Devlete Türk İnkılâp Tarihi, Cemil Öztürk (ed.), Ank., 2011. | | | | | | |
| **OTHER REFERENCES** | | | | | Niyazi Berkes, Türkiye’de Çağdaşlaşma, İstanbul, 1978.  Enver Ziya Karal, Atatürk ve Devrim (Konferanslar ve Makaleler), TTK., Ank., 1980.  Enver Ziya Karal, Atatürk’ten Düşünceler, MEB. Yay., Ankara, 1981.  Bernard Lewis, Modern Türkiye’nin Doğuşu, Çev.M.Kıratlı, TTK., Ank., 1970.  Ahmet Mumcu, Tarih Açısından Türk Devriminin Temelleri ve Gelişimi, Ank., 1976. | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | |

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

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Contribute to the level of professional knowledge |  | X |  |
| 2 | Develop professional communication skills | X |  |  |
| 3 | Create to current information on the ability of the program to reach |  | X |  |
| 4 | Gain the ability to communicate and exchange information with counterparts in the field of professional practice. | X |  |  |
| 5 | Gain awareness of the application of the rules of professional deontology |  | X |  |
| 6 | Have a basic level of knowledge related to the field of health |  |  | X |
| 7 | Be able to use technological products related to the field |  | X |  |
| 8 | Gain required hand skills related to the field |  |  | X |
| 9 | Gain the habit of ability to practice sterilization, disinfection, and antisepsi |  |  | X |
| 10 | Gain the ability to solve problems that may arise during the professional practice in a healthy way | X |  |  |
| 11 | Gain the authority to make decisions quickly and accurately related to the field | X |  |  |
| 12 | Have information about the health care legislation |  |  | X |
| 13 | Gain awareness of professional responsibility | X |  |  |
| 14 | Gain the required knowledge and experience in occupational safety |  |  | X |
| 15 | Contribute to the intellectual level | X |  |  |
| **1**: None. **2**: Partially contribution. **3**: Completely contribution. | | | | |

**ESOGU Faculty of DentIstry**

**COURSE INFORMATION FORM**

|  |  |
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| **CLASS** | 1 |

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| **COURSE CODE** | 161112001 | **COURSE NAME** | Turkısh Language I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | | |
| **Theory** | | **Practice** | **Labratory** | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
|  | 4 | | 0 |  | | | 4 | 4 | COMPULSORY ( ) ELECTIVE ( ) | | | Turkısh |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Vocational Courses** | | **Basic Field Courses** | | | | **Social Courses** | | | | | **Supportive Courses** | |
|  | |  | | | |  | | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM EXAM** | | | | | **Evaluation Type** | | | | | **Quantity** | | **%** |
| 1st Mid-Term | | | | | 1 | | 25 |
| 2nd Mid-Term | | | | | 1 | | 25 |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Others (………) | | | | |  | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | 50 |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Description and features of language, languages of the world, Position of Turkish among other languages, historical development of Turkish, development of western Turkish, Atatürk’s ideas and projects on Turkish, pronunciation and punctuation, language policies. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The subject of the course is to expose the value of Turkish language by giving information about development of Turkish language, to gain national language awareness, to develop reading and writing skills, to compare and contrast Turkish language to other languages, to compare and contrast language policy of developed countries to Turkish language policy, to gain skill of speaking. | | | | | | | |
| **CONTRIBUTION TO APPLY PROFESSIONAL EDUCATION ON COURSE** | | | | | Develop the ability of using Turkish properly at the business life. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Learn Turkish grammar  Gain an understanding of the position of Turkish among other languages  Gain an understanding of history of Turkish language  Gain knowledge about Turkish languages in the world  Develop the ability of using  Turkish properly  Learn the language policies  Gain writing skill  Gain speaking skill  Learn sentence structure and analyzing  Be able to realize Turkish vowels  Be able to realize formation of Turkish  Be able to read and comprehend  Be able to speak simultaneously  Be able to write compositions | | | | | | | |
| **TEXTBOOK** | | | | | 1. Kültür, M. E., “Üniversiteler İçin Türk Dili”, Bayrak Yayınları, İstanbul,  1997.  **2. “Türk Dil Yazım Kılavuzu”, TDK Yayınları, 24. baskı, Ankara, 2005** | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Kaplan, M., “Kültür ve Dil”, 8. baskı, ,Dergah Yayınları, İstanbul, 1993.  2. Fuat, M., “Dil Üstüne”, Adam Yayınları, İstanbul, 2001.  3. Ercilasun, A. B., “Başlangıçtan Yirminci Yüzyıla Türk Dili Tarihi”, Akçağ  Yayınları, 1. baskı, Ankara, 2004.  4. Aksan, D., “Türkçe’nin Gücü”, Bilgi Yayınevi, 4. baskı, Ankara, 1997.  5. Karamanlıoğlu, A., “Türk Dili”, Degah Yayınları, 3. baskı, İstanbul, 1984.  6. Anday, M. C., “Dilimiz Üstüne Konuşmalar”, YKY, İstanbul, 1996.  7. Karaağaç, G., “Dil Tarih ve İnsan”, Akçağ Yayınevi, Ankara, 2002.  8. Aksan, D., “Dil Şu Büyülü Düzen”, Bilgi Yayınevi, Ankara, 2003.  9. Banarlı, N. S., “Türkçe’nin Sırları”, 18. baskı, Kubbealtı Neşriyatı,  **İstanbul, 2002** | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | DVD, VCD, projection, computer | | | | | | | |

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| **OURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Language. (Language- nation relationship/ language- culture relationship) |
| 2 | All Languages in the world. How basic Turkish Language is amongst other Languages. |
| 3 | The historical development of Turkish language |
| 4 | The historical development of Turkish language |
| 5 | The alphabets of the Turks, Classification of Turkish dialects |
| 6 | Phonetics. |
| 7 | **MİD-TERM EXAM** |
| 8 | The words for meanings and functions. |
| 9 | The words for meanings and functions. |
| 10 | The words for meanings and functions. |
| 11 | The type of the words according their semantic features |
| 12 | [Derivational](http://tureng.com/search/derivational%20affix) and [inflexional suffix](http://tureng.com/search/inflexional%20suffix) |
| 13 | Word groups |
| 14 | [Phrase](http://tureng.com/search/phrase) information |
| 15 | **FİNAL EXAM** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Contribute to the level of professional knowledge | **X** |  |  |
| 2 | Develop professional communication skills |  | **X** |  |
| 3 | Create to current information on the ability of the program to reach |  | **X** |  |
| 4 | Gain the ability to communicate and exchange information with counterparts in the field of professional practice. |  | **X** |  |
| 5 | Gain awareness of the application of the rules of professional deontology |  | **X** |  |
| 6 | Have a basic level of knowledge related to the field of health |  |  | **X** |
| 7 | Be able to use technological products related to the field |  | **X** |  |
| 8 | Gain required hand skills related to the field |  | **X** |  |
| 9 | Gain the habit of ability to practice sterilization, disinfection, and antisepsi |  |  | **X** |
| 10 | Gain the ability to solve problems that may arise during the professional practice in a healthy way |  | **X** |  |
| 11 | Gain the authority to make decisions quickly and accurately related to the field |  |  | **X** |
| 12 | Have information about the health care legislation |  | **X** |  |
| 13 | Gain awareness of professional responsibility |  |  | **X** |
| 14 | Gain the required knowledge and experience in occupational safety |  | **X** |  |
| 15 | Contribute to the intellectual level |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 1 |

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| **COURSE CODE** | 161112002 | **COURSE NAME** | ENGLISH |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| FALL & SPRING | 2 | 0 | | 0 | | 4 | | 4 | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | |  | | | | X | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 20 | |
| 2nd Mid-Term | | | | | 1 | 20 | |
| Quiz | | | | | 2 | 10 | |
| Homework (LMS) | | | | | 2 | 10 | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 40 | |
| **PREREQUIESITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Description: The aim of the course is to teach students basic grammar rules in elementary level, give them speaking, writing, reading and listening knowledge of English. It consists of content and activities aimed at having students acquire Beginner’s Level (A1and partly A2) English language skills according to evaluation and reference system of The Common European Framework. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | 1. Use the basic grammar of English, 2. Use the target language in classroom, 3. Understand and respond dialogues, 4. Comprehend reading passages in English, 5. Communicate with native speakers | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUCATION** | | | | |  | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students can do the following things in spoken or written English after the course:  Understand and use classroom (online) language; alphabet – letters; numbers; pronouns; dates and months  Say where people and things are from  Exchange information about his/her family  Start and finish a basic conversation  Take and leave a simple phone message  Order food in a restaurant  Ask people for things and give people things  Go shopping at a market  Understand a store guide and ask for what he/she wants, and shop in a department store  Understand and tell a simple story  Identify a person from a simple description  Book a train ticket  Understand signs and rules  Explain the reasons for his/her actions/plans  Describe what he/she does every day; describe other people’s routines; describe his/herself and other people; describe where he/she lives; describe a visit to a city; describe a place; describe people and understand descriptions; describe what people are doing now; describe problems and ask for solutions; describe personal experiences  Make comparisons between things and people, compare one thing with several others; make and respond to suggestions  Ask for, give and follow simple directions and instructions; check instructions and information and ask for repetition  TALK and ASK ABOUT jobs; everyday objects; what he/she does on holiday; what he/she does in his/her free time; his/her abilities; other people’s abilities; quantities; his/her diet and lifestyle; his/her home and about things he/she has; things he/she need to furnish a home; the past and past events in his/her life; the weather; what he/she wears; personal preferences; appearance and personalities; other people’s experiences; his/her education; intentions; likes, dislikes, plans and ambitions  Complete a form with personal information  Use punctuation (1): capital letter; (2): full stops and question marks; (3): dashes and exclamation mark; (4): apostrophes  Join sentences (1): and, then, after that; (2): and, but, or; (3): because, so; (4): first, later, in the end  use paragraphs  Write about his/her routine; a short message; an informal email; a postcard, a short biography; a description of an event; a message for an online message board; a thank you letter  make his/her writing more interesting  Respond to an event in writing | | | | | | | |
| **TEXTBOOK** | | | | | Foley M., Hall D. (2017). *New Total English Elementary Students’ Book*. Pearson Education Limited | | | | | | | |
| **OTHER REFERENCES** | | | | | Murphy, R. (2004) Essential Grammar in Use.Cambridge University Press | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, Webcam, Speakers; or Smart phone, Internet Connection, Applications and Software for Office and Audio-Visual Materials | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
|  | FALL TERM |
| 1 | Introduction to the course - to be: positive |
| 2 | Possessive’s - Possessive adjectives - to be: questions |
| 3 | a/an - to be: negative |
| 4 | Present Simple: I/you/we |
| 5 | Present Simple: he/she/it/they |
| 6 | Noun plurals - this, that, these, those |
| 7 | Adverbs of frequency |
| 8 | can/can’t |
| 9 | Countable and uncountable nouns, much/many/a lot of - a/an, some and any |
| 10 | MID-TERM WEEK |
| 11 | MID-TERM WEEK |
| 12 | Object pronouns there is/there are - have got, Modifiers (very, quite, really) |
| 13 | NEW YEAR |
| 14 | Past Simple of to be: all forms |
| 15 | Past Simple of regular verbs: positive |
| 16 | Past Simple: irregular verbs |
|  | SPRING TERM |
| 1 | Past Simple: questions and negatives |
| 2 | Articles |
| 3 | Pronouns one/ones - Possessive pronouns |
| 4 | Present Continuous |
| 5 | Position of adjectives |
| 6 | Present Simple and Present Continuous |
| 7 | Comparison of adjectives - Superlative adjectives |
| 8 | like/love/hate /prefer -ing form as noun |
| 9 | APRIL 23rd |
| 10 | MID-TERM WEEK |
| 11 | MID-TERM WEEK |
| 12 | Present Perfect with been: I/we/you/they |
| 13 | Present Perfect: he/she/it |
| 14 | can/can’t, have to/don’t have to |
| 15 | Review of wh- questions |
| 16 | The imperative, **be going to, Infinitive of purpose** |
| 17 | Revision of be going to, like and would like |
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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. |  |  | **X** |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  |  | **X** |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  |  | **X** |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **X** |  |
| 7 | Consciousness of professional and ethic responsibility |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 1 |

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| **COURSE CODE** | 161112003 | **COURSE NAME** | BIOSTATISTICS AND COMPUTER |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| FALL AND SPRING | 2+2 | 0 | | 0 | | 4 | | 5 | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | | X | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Appropriate research designs for answering research questions of importance in dentistry are examined. An array of biostatistical methods that are commonly used in the dental literature to evaluate new dental products and methodologies are discussed. The course comprises a combination of lecture material on fundamental statistical information and small group seminars in which samples of articles and data from the dental literature will be discussed. One session will be devoted to a demonstration of the use of Statistical Packages for compiling a database suitable for statistical analyses. This course provides the starting point for the student to complete the dissertation requirements. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | At the end of this course, students will be able to;  •Understand the structure of various types of data sets and which analytical methods can be used to evaluate the questions asked by the dental investigator.  •Read articles in the dental literature with an understanding of the appropriateness of the study design in relationship to the hypotheses posed by the investigator. Determine if conclusions in the dental literature that are based upon utilization of appropriate study design and biostatistical methodologies are valid.  •Be able to ask a research question of their own, design an appropriate study to answer that question, anticipate the structure of the data that will be derived, and determine which biostatistical tests will be used to analyze that data set.  •Understand the language of biostatistics and study design in order to be able to knowledgeably work with a biostatistical consultant.  •Prepare yourself for completion of the thesis requirements for the Master of Science in Dentistry. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Students who completed the course can critically read the literature about dentistry, design and execute their thesis and project. | | | | | | | |
| **COURSE OUTCOMES** | | | | | * Use and interpret results of descriptive biostatistical methods effectively * Demonstrate an understanding of the central concepts of modern biostatistical theory and their probabilistic foundation; * Use, and interpret results of the principal methods of biostatistical inference and design * Communicate the results of biostatistical analyses accurately and effectively; * Make appropriate use of statistical software. * Read and learn new statistical procedures independently | | | | | | | |
| **TEXTBOOK** | | | | | * Kim JS and Dailey RJ. Biostatistics for Oral Healthcare, Blackwell Munksgaard, a Blackwell Publishing Company, 2008. * Özdamar K. SPSS ile Biyoistatistik, 10. Baskı, Nisan Kitabevi Yayınları-Eskişehir, 2015 | | | | | | | |
| **OTHER REFERENCES** | | | | | Rosner B. Fundamentals of Biostatistics Seventh Edition, Brooks/Cole, Cengage Learning, 2011. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer and Statistical Package Programs | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | * Introduction to Biostatistics   + Definition of Biostatistics   + Why Biostatistics is necessary?   + How much mathematics is necessary for this course?   + General terms used in Biostatistics |
| 2 | * Data Summarization and Clinical Trials   + Raw Data and Basic Terminology   + Scale Levels   + Frequency Distributions     - Frequency Table     - Relative Frequency |
| 3 | * Data Summarizing and Clinical Trials   + Graphs     - The Bar Graph     - The Pie Graph     - The Line Graph     - The Histogram     - The Stem and Leaf Graph   + Clinical Trials and Designs   + The Effect Confounding Variable |
| 4 | * Measures of Central Tendency and Dispersion, Skewness   + The Arithmetic Mean   + The Weighted Mean   + The Median   + The Mode   + The Geometric Mean   + The Harmonic Mean   + The Range   + Percentiles and Interquartile Range   + The Box-Whisker Plot   + The Variance and The Standard Deviation   + The Coefficient of Variation   + The Skewness |
| 5 | * Biostatistics Laboratory   + Introduction to Package Programs and Menus   + Definition of Variables and Data Organization in Package Programs   + Graphs in Package Programs   + Measures of Central Tendency, Dispersion and Skewness in Package Programs |
| 6 | * Probability   + Sample Space and Event   + Basic Characteristics of Probability   + Independent and Exclusive Events   + Conditional Probability   + Bayes Theorem   + Prevalence and Incidence   + Sensitivity and Specificity   + Relative Risk and Odds Ratio |
| 7 | * Probability Distributions   + The Binomial Distribution   + The Poisson Distribution   + The Poisson Approximation to Binomial Distribution   + The Normal Distribution |
| 8 | 1st Mid Term Exam |
| 9 | * Sampling Distribution   + Sampling Distribution for Mean   + Standard Error of Sample Mean   + The Central Limit Theorem   + The Student t Distribution   + Confidence Interval and Sample Size |
| 10 | * Hypothesis Tests: One Sample Case   + Introduction to Hypothesis Tests   + z Test for Mean   + t Test for Mean   + Power of Test and Sample Size   + One Sample Test for Binomial Proportion   + One Sample χ2 Test for Variance of Normal Distribution |
| 11 | * Biostatistics Laboratory   + One Sample Hypothesis Tests in Package Programs |
| 12 | * Hypothesis Tests: Two Sample Case   + Two Sample z Test for Mean   + Two Sample t Test for Means   + Paired Sample t Test   + Two Sample Test to Comparison Two Binomial Proportion   + Power of Two Sample Test and Sample Size   + F Test to Comparison Two Variances |
| 13 | * Biostatistics Laboratory   + Two Sample Hypothesis Tests in Package Programs |
| 14 | * Categorical Data Analysis   + 2x2 Contingency Table   + rxc Contingency Table   + Cochran-Mantel-Haenszel Test   + McNemar Test   + The Kappa Statistics   + χ2 Goodness of Fit Test |
| 15 | * Biostatistics Laboratory   + Categorical Data Analysis in Package Programs |
| 16 | * One Way Analysis of Variance   + Factor and Factor Levels   + Model assumptions   + Basic Terms for ANOVA   + F Test to Comparison Population Means   + Multiple Comparison Procedures   + Random Effect ANOVA Model   + Variance Equality Test |
| 17 | * Biostatistics Laboratory   + One Way ANOVA in Package Programs |
| 18 | * Two Way Analysis of Variance   + General Model   + Sum of Squares and Degree of Freedom   + F Test   + Repeated Measures Model |
| 19 | * Biostatistics Laboratory   + Two Way ANOVA in Package Programs |
| 20 | 2nd Mid Term Exam |
| 21 | * Regression Analysis and Correlation   + Simple Linear Regression   + Correlation Coefficient   + Coefficient of Determination   + Multiple Linear Regression |
| 22 | * Biostatistics Laboratory   + Regression Analysis and Correlation in Package Programs |
| 23 | * Nonparametric Methods   + Sign Test   + Wilcoxon Rank Sum Test   + Wilcoxon Signed Rank Test   + Median Test   + Kruskal-Wallis Rank Test   + Friedman Test   + Spearman Rank Correlation Coefficient |
| 24 | * Biostatistics Laboratory   + Nonparametric Methods in Package Programs |
| 25 | * Logistic Regression Analysis   + Binomial Logistic Regression Analysis |
| 26 | * Survival Analysis   + Survival Table   + Kaplan-Meier   + Cox Regression |
| 27 | * Biostatistics Laboratory   + Logistic Regression and Survival Analysis in Package Programs |
| 28 | * ROC Curve Analysis   + Assessment Accuracy of Medical Diagnostic Tests   + Determination of Cut-off values belong to Medical Diagnostic Tests |
| 29 | * Biostatistics Laboratory   + ROC Analysis in Package Programs |
| 30 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **SEMESTER** | 1 |

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| **COURSE CODE** | 161112004 | **COURSE NAME** | Behavioral Sciences |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| 1 | 1 | 0 | | 0 | | 1 | | 2 | COMPULSORY (x) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
| %20 | | |  | | | |  | | | | %80 | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 15 | |
| 2nd Mid-Term | | | | | 1 | 15 | |
| Quiz | | | | |  |  | |
| Homework | | | | | 1 | 20 | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | There is no prerequisite for this course. | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The relationship between behavioral sciences and other sciences such as psychology, sociology, anthropology, physiology, social psychology, perception, attitude, attention, learning, personality, communication, roles, status, analysis of the structure of the individual and society, the underlying causes of individual and group-oriented behavior, research methods which is used in behavioral science. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The purpose of this course is that to analyze the psychological and sociological aspects of human behavior from the individual or organizational perspective. In this context, it is aimed to acquire knowledge about the basic concepts such as culture, personality, communication, learning, motivation that is used in behavioral sciences. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | It is helped to students to better interpret the basic causes and results from behaviors that is occurred in doctor-patient relationship can be seen in their professional lives in the future. | | | | | | | |
| **COURSE OUTCOMES** | | | | | -He/she knows related fields with behavioral sciences and the contemporary approaches in this field.  - He/she defines basic concepts about behavioral sciences.  - He/she understands the effects of perception, learning and motivation processes on behaviors.  - He/she knows research methods used to explain formation of human behavior  - He/she understands the importance of effective communication in conflict solutions arising from cultural differences and personal traits. | | | | | | | |
| **TEXTBOOK** | | | | | -Gerrig, R. J. Ve Zimbardo, P. G. (2012). *Psikoloji ve yaşam: Psikolojiye giriş* (Çev: G. Sart). Ankara: Nobel.  -Macionis, J. J. (2012). *Sosyoloji* (Çev: V. Akan). Ankara: Nobel. | | | | | | | |
| **OTHER REFERENCES** | | | | | **-**Aronson, E., Wilson, T. D. ve Akert, R. M. (2012). *Sosyal psikoloji* (Çev: O. Gündüz). İstanbul:Katüs.  -Giddens, A. (2012). *Sosyoloji* (Çev: C. Güzel). İstanbul: Kırmızı Yayınları.  **-**Kağıtçıbaşı,Ç. (2012). *Günümüzde insan ve insanlar* (14.baskı). İstanbul: Evrim Yayınları. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer and projection | | | | | | | |

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| **COURSE SYLLABUS** | |
| **FALL SEMESTER** | |
| **WEEK** | **TOPICS** |
| 1 | Basic concepts about behavioral sciences |
| 2 | The sensorial and perceptual bases of behavior |
| 3 | The learning and behavior |
| 4 | The learning and behavior |
| 5 | The scientific bases of the behavior and intelligence |
| 6 | The scientific bases of the behavior and intelligence |
| 7 | The social bases of behavior |
| 8 | The social bases of behavior |
| 9 | The social bases of behavior |
| **10** | **MİD-TERM EXAM** |
| **11** | **MİD-TERM EXAM** |
| 12 | Motivation |
| 13 | Motivation |
| 14 | Stress |
| 15 | The individual and personality |
| 16 | The individual and personality |
| **BAHAR DÖNEMİ** | |
| 1 | The individual and personality |
| 2 | The individual and society |
| 3 | The individual and society |
| 4 | The individual and society |
| 5 | The individual and society |
| **10** | **MİD-TERM EXAM** |
| **11** | **MİD-TERM EXAM** |
| 8 | Social institutions: Family, business, education, religion, health, etc. |
| 9 | Social institutions: Family, business, education, religion, health, etc. |
| 10 | Social institutions: Family, business, education, religion, health, etc. |
| 11 | Social institutions: Family, business, education, religion, health, etc. |
| 12 | Social institutions: Family, business, education, religion, health, etc. |
| 13 | Social institutions: Family, business, education, religion, health, etc. |
| 14 | Social institutions: Family, business, education, religion, health, etc. |
| 15 | Social institutions: Family, business, education, religion, health, etc. |
| 16 | Social institutions: Family, business, education, religion, health, etc. |
| **17** | **FİNAL EXAM** |
| **18** | **FİNAL EXAM** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. |  |  | X |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  |  | X |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | X |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | X |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | X |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | X |  |  |
| 7 | Consciousness of professional and ethic responsibility | X |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | X |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ**  **Faculty of DentIstry COURSE INFORMATION FORM**

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| **CLASS** | 1 |

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| **COURSE CODE** | 161112005 | **COURSE NAME** | PROSTHODONTICS |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall-Spring | 2 | 6 | |  | | 10 | | 14 | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | x | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | **%** |
| 1st Mid-Term | | | | | 1 | | 15 |
| 2nd Mid-Term | | | | | 1 | | 15 |
| 1st mid term- application | | | | | 1 | | 10 |
| 2nd mid term -application | | | | | 1 | | 10 |
| **FINAL EXAM** | | | | | Final Exam 3rd application | | | | | 1 | | 25 |
| Final Exam | | | | | 1 | | 25 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Teaching oral cavity, teeth and dental structures  To give information about the tooth numbering systems, teaching positions and eruption time in the teeth in the mouth.  Introduction of permanent and primarily teeth structures (morphology), and give information about the dimensions of teeth  The presentation and manipulation of the basic materials such as plaster, acrylic and wax used in the prosthetic laboratory. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | General information about oral cavity and teeth in addition to the morphological characteristics of teeth and teaching tooth dimensions of knowledge  Teaching the physical properties and the manipulation of materials used in the laboratory. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Understand the importance of anatomical structures that affected manufacturing dental prosthesis.  Learn usage the necessary materials and laboratory equipment and develop manipulation. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Comprehend the general morphology of the teeth and neighborhoods with each other.  Learned basic tools and materials used in the construction phase of prosthetic laboratory and technical specifications of both theoretical and learned practical by manipulation.  With comprehension of these knowledge, developed and measuring the ability of manipulation of dental students. | | | | | | | |
| **TEXTBOOK** | | | | | 1. Hüsnü Yavuzyılmaz Diş Morfolojisi ve Anatomisi. Genişletilmiş 6. Baskı. Gazi Kitabevi Tic. Ltd. Şti 2. Arife / Orhan Murat DOĞAN. Dental Morfoloji. 3.Baskı. Ankara: Tuna Matbaacılık; 2008. 3. M.Murat Aydın. Diş Hekimliği Manüpülasyonu ve Protez Laboratuvarlarında Kullanılan Araçlar. İstanbul:İ.Ü. Rektörlüğü Basımevi ve Film Merkezi Müdürlüğü;1996. | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. [Rickne C. Scheid](http://www.amazon.com/Rickne-C.-Scheid/e/B001IQW9MM/ref=sr_ntt_srch_lnk_1?qid=1341480790&sr=1-1-fkmr0). Gabriela Weiss. [Woelfel's Dental Anatomy: Its Relevance to Dentistry](http://www.amazon.com/Woelfels-Dental-Anatomy-Relevance-Dentistry/dp/1608317463/ref=sr_1_fkmr0_1?s=books&ie=UTF8&qid=1341480790&sr=1-1-fkmr0&keywords=Rickne+C.+Sheid). Wolters Kluwer;2011. 2. William J. O'Brien. Dental materials and their selection. 4th Ed. Canada: Quintessence Pub. Co; 2008. 3. Kenneth J. Anusavice.Phillips’ Science of Dental Materials. USA: Saunders; 2003**.** 4. Ali Zaimoğlu, Gülşen Can, A.Ersan Ersoy, Levent Aksoy. Diş Hekimliğinde Maddeler Bilgisi. Ankara: A.Ü. Basımevi; 1993. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Theoretical: Computer-aided barcovision, blackboard  Practically: Soap, dental candle, oven, hydraulic press, plaster vibrator, polishing motor, laborator y micromotor and hand pieces , plaster knife, spatula, flask, etc. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Definition of dentistry. Dentist's rights, authorization and responsibilities  Definition of Prosthetic dental treatment. Subgroups of Prosthetic dental treatment |
| 2 | Terminology  Terminology |
| 3 | The formation of the oral cavity and the formations landmarks of the face  Definition of the teeth and the eruption times |
| 4 | Definition of the teeth and surrounding tissues  Tooth numbering systems |
| 5 | Definition of prosthetic clinic  Definition of prosthetic laboratories |
| 6 | Upper central incisor  Prosthetic devices and hand tools used in dentistry |
| 7 | Upper lateral incisors  Prosthetic materials used in dentistry |
| 8 | Upper canine tooth Gypsum; definition, types and the usage |
| 9 | Upper first premolar tooth  Wax; definition, types and the usage |
| 10 | Upper second premolar tooth  Acrylic;definition, types and the usage |
| 11 | Upper first molar tooth Clasp wire; definition, types and the usage |
| 12 | Upper second molar tooth  Base plate; definition and the usage |
| 13 | Upper third molar tooth Obtaining casts used in the construction of the prosthesis |
| 14 | Evaluation of upper jaw dental arch (maxillary arch)  Methods for obtaining die |
| 15 | The lower central incisors Preparation of individual base plates impression trays for complete and removable partial dentures |
| 16 | The lower lateral incisors Preparation of individual acrylic impression trays for complete and removable partial dentures |
| 17 | Lower canine tooth  Preparation of denture base and wax template for complete dentures |
| 18 | Lower first premolar tooth  Preparation of denture base and wax template for removable partial dentures |
| 19 | Lower second premolar tooth  Transfer the casts to articulator |
| 20 | Lower first molar tooth Concepts of leveling and polishing |
| 21 | Lower second molar tooth Functional wax modeling |
| 22 | Lower third molar tooth Evaluation of lower jaw dental arch (mandibulary arch) |
| 23 | Morphological evaluation of opposing position of teeth in dental arch  Classification of relations of the upper and lower jaw |
| 24 | The use of general teeth morphology knowledge on fixed partial denture applications  The use of general teeth morphology knowledge on artificial denture teeth |
| 25 | The upper primary incisor teeth,  Methods of classification of arcs in the partial edentulous |
| 26 | Upper primary molars Kennedy classification and rules of Applegate |
| 27 | Lower primary incisor teeth, Occlusion; definition and types |
| 28 | Lower primary molar teeth Definition of articulation |

**PROGRAM OUTCOMES**

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Ability to understanding and learn the basic concepts of dentistry | **X** |  |  |
| 2 | By learning about the basic materials used in making dental prostheses, especially to take advantage of them and to get them the ability to process | **X** |  |  |
| 3 | The ability of the carry them to knowledge in the general morphological features of the construction of prosthetic teeth's. | **X** |  |  |
| 4 | Skills of the effective use of prosthetic material and equipment in prostheses laboratory | **X** |  |  |
| 5 | The concept of the framework for the profession of dentistry, rights, powers and responsibilities | **X** |  |  |
| 6 | The ability of individual exercise, inter and multi disciplinary team-work | **X** |  |  |
| 7 | The ability of the effective use speak and written in Turkish communicate and in skills of the body language of the professional practices |  | **X** |  |
| 8 | Recognition of the need for lifelong learning, access to information, monitoring and continuous self-renewal ability in science and technology developments | **X** |  |  |
| 9 | Professional and ethical responsibility | **X** |  |  |
| 10 | The effect of dental applications on the global and social environment; about of the national international lawful regulations and standardizations knowledge |  | **X** |  |
| **1**:no contribution. **2**: partially contribution Var. **3**:full contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 1 |

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| **COURSE CODE** | 161112006 | **COURSE NAME** | Biochemistry 1 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| FALL | 2 |  | | 1 | |  | |  | COMPULSORY (**x**) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | | x | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Biochemistry is the science concerned with the various molecules that occur in living cells and organisms and with their chemical reactions.  The goal is to provide an understanding, at the molecular level, of the enzyme reactions that underlie cellular metabolism, and of the structure and function of biological macromolecules, such as, protein, charbohydrate, lipid, and nükleic acids. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To learn how enzymes function, cellular energy metabolism is regulated, structure, function and metabolism of protein, charbohydrate, lipid, and nucleic acids. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Structure-function relationships of cellular biomacromoleules on physiological and pahophysiological processes | | | | | | | |
| **COURSE OUTCOMES** | | | | | To teach structures and functions of biomolecules and to teach the role of physiological and pahological processes | | | | | | | |
| **TEXTBOOK** | | | | | Temel Biyokimya ed.Taner Onat, Kaya Emerk.Saray yayıncılık,2006 | | | | | | | |
| **OTHER REFERENCES** | | | | | Harper Biyokimya: Murray RK,Granner DK, Mayes PA, RodwellVW. Nobel Tıp Kitabevi, 2015.  **-** Nelson [D.L.,](http://www.amazon.com/David-L.-Nelson/e/B001H6MD2Y/ref=ntt_athr_dp_pel_1)  Cox [M.](http://www.amazon.com/Michael-M.-Cox/e/B001H6KJQQ/ref=ntt_athr_dp_pel_2)  Lehninger Principles of Biochemistry, Fourth Edition Amazon.com.2013 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | White writing board, Projector, Computer, Lectern, Projector screen, Board marker, Presenter with laser pointer | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction to Biochemistry. The importance of Biochemistry in the Medical and Dentistry Faculties. |
| 2 | Water and pH, liquid Components of organism, Arrange balance of Water-electrolytes |
| 3 | Classification of Enzymes and effect mechanisims |
| 4 | Kinetic features of enzymes and inhibition of enymes |
| 5 | Karbonhidratlar |
| 6 | Aminoacids, peptides and proteins |
| 7 | Lipids (Faty acids, Triacylglycerols, Phospholipids),Lipoproteins |
| 8 | Thermodynamics, Bioenergetics and metabolism, transfer of phosphate |
| 9 | TCA cycle |
| 10 | Glycolysis,glyconeogenesis |
| 11 | **MID-TERM EXAM** |
| 12 | **MID-TERM EXAM** |
| 13 | The Pentose Phosphate and glukoronic acid pathway. Other hexoses metabolism |
| 14 | Amino acids oxidation and urea cycle |
| 15 | Glycogen metabolism |
| 16 | Oxidation of fatty acids |
| 17 | Biosynthesis of fatty acid triacylglycerols, phospholipids and cholesterol, steroids |
| 18 | Amino acid biosynthesis and to change into special products |
| 19 | Oxidative fosforilation |
| 20 | Anorganic bioelemenets |
| 21 | Detoxification Toxic agents and metal toxicity |
| 22 | **MID-TERM EXAM** |
| 23 | **MID-TERM EXAM** |
| 24 | Hormones |
| 25 | Hormones |
| 26 | Hormones |
| 27 | Hormones |
| 28 | Porfirins ,Heme synthesis |
| 29 | Klinic enzymology |
| 30 | Analysis of urine |

Laboratories plan

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| 1 | Glass materials used in Laboratory of Biochemistry vehicles, equipment and instruments, introducing.  the use of glass and otomatic pipette |
| 2 | Concentration units, Solution preparation |
| 3 | Recognition experiments of carbohydrates |
| 4 | Factors affecting enzyme activity |
| 5 | Asidimetri-alkalimetri |
| 6 | Determination of isoelectric point |
| 7 | Recognition experiments of amino acids, denaturation and deproteinisation |
| 8 | Recognition experiments of lipids |
| 9 | Obtain Of Glycogen, Hydrolysis Of Strach And Sucrose |
| 10 | Santrifugation techniques, obtain os serum, plasma and erythrocytes package |
| 11 | Pregnanacy test |
| 12 | Basic principles of the spectrophotometer |
| 13 | Measure of haemoglobine |
| 14 | Enzyme analysis |
| 15 | Urine analysis |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. |  | **x** |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  | **x** |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **x** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **x** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **x** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGU Faculty of DentIstry**

**COURSE INFORMATION FORM**

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| **CLASS** | 1 |

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| **COURSE CODE** | 161112014 | **COURSE NAME** | Physical Education I-II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | | |
| **Theory** | | **Practice** | **Laboratory** | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| 1 | 2 | |  |  | | | 0 | 2 | COMPULSORY ( ) ELECTIVE ( X) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Vocational Courses** | | **Basic Field Courses** | | | | **Social Courses** | | | | | **Supportive Courses** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM EXAM** | | | | | **Evaluation Type** | | | | | **Quantity** | | **%** |
| 1st Mid-Term | | | | | 1 | | 30 |
| 2nd Mid-Term | | | | | 1 | | 30 |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Others (………) | | | | |  | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | 40 |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Physical education; running, joint and muscle groups convenient to theirs level, sport branch, basketball, volleyball, handball ,football, field measures and rules of game, sport benefits to our health; health, first aid, matches in class. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The ability of having knowledge concerning the orders of the lecture.  The ability of running all the organs and systems to convenience of theirs level.  The ability of improving the nerve muscle and joint coordinating.  The ability of having basic knowledge, skill, manner and habits concerning physical education and sport  Take responsibility and duty, to go with leader and the ability of doing leadership  Playing amicably and competition appreciating the winner acceptance of loosing, and can be object to trick and injustice.  Having knowledge about sport, vehicle and facilities and can use this. | | | | | | | |
| **CONTRIBUTION TO APPLY PROFESSIONAL EDUCATION ON COURSE** | | | | | The ability of improving the nerve muscle and joint coordinating. | | | | | | | |
| **COURSE OUTCOMES** | | | | | The ability of growing health, happy, developed aspect of physical and psychological, self confident individuals who have the sense competitioning amicably. | | | | | | | |
| **TEXTBOOK** | | | | | Physical Education at Schools (Hikmet Aracı l999) | | | | | | | |
| **OTHER REFERENCES** | | | | | Basic principles in Physical Education and Sport (Yrd. Doç. Dr. Faruk Yamaner)2001 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Gymnastic cradle, Ball, Coordination set, Medicine ball. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Giving general knowledge about the subject of physical education. |
| 2 | Jogging, rotating which is softening joint and muscle groups. Giving knowledge about basic basketball rules, the matters to take care of passing and rubbing ball. |
| 3 | Jogging, warning movements, defense and offence studies at basketball. |
| 4 | Jogging, stretching movements, rubbing ball, exit to turnstile studies, attack sets at basketball. |
| 5 | Atatürk’s words on sport, jogging, passing and playing short-time match in basketball playing rules. |
| 6 | Jogging, stretching movements, giving basic knowledge about basic volleyball techniques, finger pass on net and control pass studies. |
| 7 | Interval studying, stretching movements headline at volleyball, pass and service firing, return in field at volleyball. |
| 8 | What’s benefit of sport our health? Stretching movements, doing match in volleyball playing rules. |
| 9 | MİD-TERM EXAM |
| 10 | Running athletics (short, middle, long) knowledge about distance, warning studying, short-time volleyball match. |
| 11 | Jogging, stretching movements, giving knowledge about basic handball techniques. |
| 12 | Jogging, movement for strengthening joint and muscles groups, rubbing ball and pass studies at handball. |
| 13 | Exercise for stretching and loosening the muscles, football playing rules and passing studies, short-time football match. |
| 14 | First aid at sport disability, jogging, stretching movements, marches in class. |
| 15 | Jogging, warning movements, matches in class |
| 1 | Giving general knowledge about the subject of physical education. |
| 2 | Jogging, rotating which is softening joint and muscle groups. Giving knowledge about basic basketball rules, the matters to take care of passing and rubbing ball. |
| 3 | Jogging, warning movements, defense and offence studies at basketball. |
| 4 | Jogging, stretching movements, rubbing ball, exit to turnstile studies, attack sets at basketball. |
| 5 | Atatürk’s words on sport, jogging, passing and playing short-time match in basketball playing rules. |
| 6 | Jogging, stretching movements, giving basic knowledge about basic volleyball techniques, finger pass on net and control pass studies. |
| 7 | Interval studying, stretching movements headline at volleyball, pass and service firing, return in field at volleyball. |
| 8 | What’s benefit of sport our health? Stretching movements, doing match in volleyball playing rules. |
| 9 | MİD-TERM EXAM |
| 10 | Running athletics (short, middle, long) knowledge about distance, warning studying, short-time volleyball match. |
| 11 | Jogging, stretching movements, giving knowledge about basic handball techniques. |
| 12 | Jogging, movement for strengthening joint and muscles groups, rubbing ball and pass studies at handball. |
| 13 | Exercise for stretching and loosening the muscles, football playing rules and passing studies, short-time football match. |
| 14 | First aid at sport disability, jogging, stretching movements, marches in class. |
| 15 | Jogging, warning movements, matches in class |
| 16 | FİNAL EXAM |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Contribute to the level of professional knowledge | **X** |  |  |
| 2 | Develop professional communication skills | **X** |  |  |
| 3 | Create to current information on the ability of the program to reach | **X** |  |  |
| 4 | Gain the ability to communicate and exchange information with counterparts in the field of professional practice. | **X** |  |  |
| 5 | Gain awareness of the application of the rules of professional deontology | **X** |  |  |
| 6 | Have a basic level of knowledge related to the field of health | **X** |  |  |
| 7 | Be able to use technological products related to the field | **X** |  |  |
| 8 | Gain required hand skills related to the field | **X** |  |  |
| 9 | Gain the habit of ability to practice sterilization, disinfection, and antisepsi | **X** |  |  |
| 10 | Gain the ability to solve problems that may arise during the professional practice in a healthy way | **X** |  |  |
| 11 | Gain the authority to make decisions quickly and accurately related to the field | **X** |  |  |
| 12 | Have information about the health care legislation | **X** |  |  |
| 13 | Gain awareness of professional responsibility | **X** |  |  |
| 14 | Gain the required knowledge and experience in occupational safety | **X** |  |  |
| 15 | Contribute to the intellectual level | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGU Faculty of DentIstry**

**COURSE INFORMATION FORM**

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| **CLASS** | 1 |

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| **COURSE TITLE** | GARDEN DESIGNING, TREATING and GREEENHOUSE CULTURE-I-II | **CODE** | 161112013 |

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| **SEMESTER** | **HOURS PER WEEK** | | | |  | | | | |
| **Theory** | **Practice** | **Laboratory** | | **Credit** | **AKTS** | **TYPE** | | **LANGUAGE** |
| 1 | 2 |  |  | | 0 | 2 | COMPULSORY () ELECTIVE(X) | | TURKİSH |
| **ASSESMENT SYSTEM** | | | | | | | | | |
| **IN-TERM STUDIES** | | | | **Faaliyet türü** | | | | **Quantity** | **Percentage** |
| First Mid Term | | | | **1** | **25** |
| Second Mid Term | | | |  |  |
| Practice | | | |  |  |
| Homework | | | |  |  |
| Presentation/Preparing Seminer | | | |  |  |
| Final Examination | | | |  |  |
| **TOPLAM** | | | |  |  |
| **PREREQUISITES** | | | | no | | | | | |
| **CONTENTS** | | | | The history of garden arrangement. Ecological Requirements of Plants. Soil Properties. Preparation of the soil. Plant Breeding Places. Issues to be Considered Garden Arrangement. Bordered of Garden, Creating of Roads, Decorations, Korbey and Plantband. Plants used in Garden Arrangement. Maintenance of Ornamental Plants. Flower, Fruit and Seed Collection and Storage. Irrigation, Importance and Methods. Fertilization, Importance and Types. | | | | | |
| **GOALS** | | | | Learn, how to become a place to garden.  Knowledge, selection and maintenance of plants for the garden. | | | | | |
| **LEARNING OUTCOMES** | | | |  | | | | | |
| **SOURCES** | | | | Ekim, T. (2007) Türkiye’nin Nadir Endemikleri. Türkiye İş Bankası, Kültür Yayınları, İstanbul.  Fitter, A. (2004) Trees. Herper Collins Publishers, UK.  Sterry, P. and Press, B. (1996) Wild Flowers of Britain and Europe. New Holland Publishers Ltd., UK.  Tokur, S. (2000) Bahçe Bakımı ve Seracılık I-II Ders Notları. Eskişehir Osmangazi Üniversitesi, Fen Edebiyat Fakültesi, Eskişehir.  Tokur, S. (1994) Bitki Yetiştirme Tekniği. Osmangazi Üniversitesi Yayınları No:1, Fen Edebiyat Yayınları No:1, Eskişehir.  Ürgenç, S. (1992) Ağaç ve Süs Bitkileri, Fidanlık ve Yetiştirme Tekniği, İ.Ü. Basımevi, İstanbul.  Yücel, E. (2002) Çiçekler ve Yer Örtücüler. Etam Matbaa Tesisleri, Eskişehir. | | | | | |
| **TEACHING METHODS** | | | | PPS-supported presentations | | | | | |

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| **COURSE CONTENT** | |
| **WEEK** | **TOPICS** |
| 1 | The history of Garden Arrangement |
| 2 | Ecological Requirements of Plants |
| 3 | Soil Properties |
| 4 | Preparation of the Soil |
| 5 | Plant Breeding Places |
| 6 | Issues to be Considered Garden Arrangement |
| 7 | MIDTERM EXAM |
| 8 | Bordered of Garden, Creating of Roads, Decorations, Korbey and Plantband |
| 9 | Plants used in Garden Arrangement |
| 10 | Maintenance of Ornamental Plants |
| 11 | Flower, Fruit and Seed Collection and Storage |
| 12 | Irrigation, Importance and Methods |
| 13 | Fertilization, Importance and Types |
| 1 | Pruning: Principles, Time, Materials, Types |
| 2 | Plant production, seed production (Generative Production) |
| 3 | Vegetative propagation (Asexual Production) |
| 4 | Production of scion |
| 5 | Another production methods |
| 6 | Changing flower pot |
| 7 | MIDTERM EXAM |
| 8 | Tree planting. |
| 9 | Some of the plant pests and diseases |
| 10 | Greenhouse: building methods |
| 11 | Heating systems. Ventilation systems |
| 12 | Irrigation and irrigation systems |
| 13 | Factors that influence of growing plants in greenhouses |
|  | Final |

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| **NUMBER** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Get a recognition of basis principles in Nursing/Midwifery/Management of healthcare institutions education |  |  | **X** |
| 2 | Get an ability to solve ethical problems with basic principles |  | **X** |  |
| 3 | Nursing/Midwifery/Management of healthcare institutions education Gather as well as apply knowledge of health sciences |  |  | **X** |
| 4 | Function on multi-disciplinary teams |  | **X** |  |
| 5 | Identify, formulate, and solve medical and Nursing/Midwifery/Management of healthcare institutions education problems |  |  | **X** |
| 6 | Use effective written and oral communication/presentation skills |  | **X** |  |
| 7 | Get an understanding of professional and ethical responsibility | **X** |  |  |
| 8 | Get a recognition of the need for, and an ability to engage in lifelong learning | **X** |  |  |
| **1**:No contribution Yok. **2**:Partially contribution. **3**: Yes contribution | | | | |

**ESOGÜ**  **Faculty of DentIstry COURSE**

**INFORMATION FORM**

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| **CLASS** | 1 |

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| **COURSE CODE** | 161112008 | **COURSE NAME** | History of Dentistry |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall-Spring | 1 |  | |  | | 2 | | 2 | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | |  | | | | X | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | **%** |
| 1st Mid-Term | | | | | 1 | | 25 |
| 2nd Mid-Term | | | | | 1 | | 25 |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Others (………) | | | | |  | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | 50 |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | |
| **COURSE DESCRIPTION** | | | | | In this course, it is given the historical development of dentistry and materials used in dentistry | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To ensure that dentistry students have knowledge about historical development of dentistry | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Students who are able to complete successfully this lesson, will have knowledge about historical development of dentistry | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students will be able to have knowledge about the beginning history of dentistry, to give people basic knowledge about history of dentistry, have knowledge about recent history of dentistry and the development of dental equipments | | | | | | | |
| **TEXTBOOK** | | | | | “Diş Hekimliği Tarihi” Ahmet Efeoğlu İstanbul 1992 | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Alpaslan G., Dişhekimliği Tarihi, Hacettepe Üniversitesi Yayınları, 2005 2. Geçmişten Günümüze Türk Diş Hekimliği,Eteoğlu, A.Türk Dünyası Araştırmaları Vakfı, 2000 3. Diş Hekimliği Bilimi'nde "İlk"ler. İlter Uzel, Istanbul Aydın Üniversitesi, Diş Hekimliği Fakültesi, 2012 4. Yüksel Noras. Diş Hekimliği Tarihi. Hacettepe Üniv. Yayınları No: B10 Ankara, 1973 5. Ahmet Efeoğlu. Dişhekimliği Tarihi. İstanbul Üniv. Yayınları, İstanbul, 1992 6. Nuri Muğan. Türk Diş Hekimliği Tarihi. İstanbul Üniv. Yayınları No:3831, İstanbul, 1994 7. Ahmet Efeoğlu, Ayşegül Demirhan Erdemir, Öztan Öncel. Başlangıçtan Günümüze Diş Hekimliği. Nobel Tıp Kitabevleri, İstanbul, 2000 8. İlter Uzel. Anadolu Uygarlıklarında Diş Hekimliği. Yeni Adana Ofset Ltd. Şti, Adana, 2000 9. Curt Proskauer, Fritz Witt. Pictorial History of Dentistry. Verlag M. Du Mont Schauberg, Köln, 1962 10. Malvin E. Ring. Dentistry An Illustrated History. The CV Mosby Comp, St Louis, 1985 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Laptop and projection machine. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Definition of dentistry. Rights, clearences and responsibilities of a dentist |
| 2 | Terminology |
| 3 | Medicine and being a physician |
| 4 | General history of medicine |
| 5 | General history of dentistry |
| 6 | Ancient ages of medicine and dentistry |
| 7 | Ancient ages of dentistry (Egypt, Mesopotamia) |
| 8 | MID-TERM EXAMINATION |
| 9 | MID-TERM EXAMINATION |
| 10 | Ancient ages of dentistry ( Aztec, Etruscan, Roma) |
| 11 | Medieval ages of dentistry |
| 12 | 15th century of dentistry |
| 13 | 16th century of dentistry |
| 14 | 17th century of dentistry |
| 15 | 18th century of dentistry |
| 16 | 19th century of dentistry |
| 17 | 20th century of dentistry |
| 18 | Recent ages of dentistry |
| 19 | Development of dental branches |
| 20 | Development of equipments used in dentistry |
| 21 | MID-TERM EXAMINATION |
| 22 | MID-TERM EXAMINATION |
| 23 | Women’ roles in the history of dentistry |
| 24 | History of Turkish dentistry |
| 25 | Professional organizations of dentistry |
| 26 | Development of dentistry related to other medical branches |
| 27 | Photos about dentistry |
| 28 | History of our faculty |
| 29 | FINAL EXAMINATION |
| 30 | FINAL EXAMINATION |

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| **NO** | **PROGRAM OUT COMES** | **3** | **2** | **1** |
| 1 | Ability to understanding and learn the basic concepts of dentistry | **X** |  |  |
| 2 | By learning about the basic materials used in making dental prostheses, especially to take advantage of them and to get them the ability to process | **X** |  |  |
| 3 | The ability of the carry them to knowledge in the general morphological features of the construction of prosthetic teeth's. | **X** |  |  |
| 4 | Skills of the effective use of prosthetic material and equipment in prostheses laboratory | **X** |  |  |
| 5 | The concept of the framework for the profession of dentistry, rights, powers and responsibilities |  | **X** |  |
| 6 | The ability of individual exercise, inter and multi disciplinary team-work |  | **X** |  |
| 7 | The ability of the effective use speak and written in Turkish communicate and in skills of the body language of the professional practices |  | **X** |  |
| 8 | Recognition of the need for lifelong learning, access to information, monitoring and continuous self-renewal ability in science and technology developments |  | **X** |  |
| 9 | Professional and ethical responsibility |  | **X** |  |
| 10 | The effect of dental applications on the global and social environment; about of the national international lawful regulations and standardizations knowledge |  | **X** |  |
| **1**:no contribution. **2**: partially contribution Var. **3**:full contribution. | | | | |

**ESOGU** **Faculty of Dentistry Course**

**Information Form**

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| **CLASS** | 1 |

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| **COURSE CODE** | 161112009 | **COURSE NAME** | Anatomy |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | **COURSE OF** | | | | | | |
| **Theoretical** | **Practical** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| FALL-SPRING | 2 | 1 | - | | 2 | | 4 | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | |
| **Basic Science** | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | X | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | |
| **MID-TERM** | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 15 | |
| 2nd Mid-Term | | | | | 1 | 15 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (Practical exam ) | | | | | 2 | 20 | |
| **FINAL EXAM** | | | | Written exam (test) | | | | | 1 | 25 | |
| Practical exam | | | | | 1 | 25 | |
| **PREREQUISITE(S)** | | | | - | | | | | | | |
| **COURSE DESCRIPTION** | | | | This course involves the basic knowledge about gross anatomical structures of the locomotor system in human body. | | | | | | | |
| **COURSE OBJECTIVES** | | | | -To give detailed information about the fundamentals and usage of the Latin terminology.  - To emphasize the relationship between basic and clinical sciences.  - To teach anatomical information about the locomotor system by giving its functional importance | | | | | | | |
| **CONTRIBUTION OF COURSE TO**  **THE PROFESSIONAL EDUCATION** | | | | Students will be able to understand and use Latin anatomical terminology and define general terms and concepts associated with gross anatomy. They will know the important anatomic points in the locomotor system and their relations with other structures in the human body and understand their functional importance. They will also gain the ability to establish clinical integrations and relations of the locomotor system. | | | | | | | |
| **COURSE OUTCOMES** | | | | Students will have the knowledge about terminology used in the health science field. They will be able to understand the structures of the bones, joints and muscles that make up the human body and their functional principles. They also will establish the basic relation of the theoretical and practical information about the anatomical structures with their occupational proficiency. | | | | | | | |
| **TEXTBOOK** | | | | -Arıncı, K, Elhan, A: Anatomi, Cilt 1-2, 2. Baskı, Güneş Kitabevi, Ankara, 1997.  -Moore, KL: Clinically Oriented Anatomy. 3th Edition, Williams and Wilkins, Baltimore, 1992.  -Arifoğlu Y. Her Yönüyle Anatomi, İstanbul Tıp Kitabevi, 2017. | | | | | | | |
| **OTHER REFERENCES** | | | | -Sobotta Human Anatomy Atlas, 2006.  -Netter F.H.:Atlas of Human Anatomy, Seventh Edition, Ciba-Geigy Corporation, 1994. | | | | | | | |
| **REQUIRED TOOLS AND EQUIPMENTS** | | | | Computer supported projection system, whiteboard, human bones, skeleton, human cadavers, plastic models, educational videos | | | | | | | |

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| **COURSE OUTLINE (Fall)** | |
| **WEEK** | **SUBJECTS / TOPICS** |
| **1** | Introduction to anatomy and Latin terminology |
| **2** | Bones of appendicular skeleton (Upper limb bones) |
| **3** | Gross anatomy lab (The clavicle, humerus, radius, ulna and hand bones) |
| **4** | Bones of appendicular skeleton (Lower limb bones) |
| **5** | Bones of axial skeleton |
| **6** | Gross anatomy lab (Coxal bone, femur, patella, tibia, fibula, foot bones, vertebrae, ribs and sternum) |
| **7** | Skull bones (Neurocranium) |
| **8** | Skull bones (Viscerocranium) |
| **9** | Gross anatomy lab (Cranial bones and regions) |
| **10-11** | **MID-TERM EXAM I** |
| **12** | Introduction to joints and general information about joints |
| **13** | Upper and lower limb joints |
| **14** | Gross anatomy lab (Shoulder, elbow, wrist, hip, knee and foot joints) |
| **15** | Joints of axial skeleton and temporomandibular joint |
| **16** | Gross anatomy lab (Thorax and vertebral column joints) |

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| **COURSE OUTLINE (Spring)** | |
| **WEEK** | **SUBJECTS / TOPICS** |
| **1** | General information about muscles, cranial and facial muscles |
| **2** | Peripheral structures of the head |
| **3** | Gross anatomy lab (Cutaneous nerves, veins, arteries, lymphatics and muscles of the head) |
| **4** | Muscles and peripheral structures of the neck |
| **5** | Gross anatomy lab (Cutaneous nerves, veins, arteries, lymphatics and muscles of the neck) |
| **6-7** | **MID-TERM EXAM II** |
| **8** | Thorax and abdominal muscles |
| **9** | Upper limb muscles |
| **10** | Gross anatomy lab (Muscles of the shoulder, arm, forearm and hand) |
| **11** | Peripheral structures of the upper limb |
| **12** | Gross anatomy lab (Cutaneous nerves, veins, arteries and lymphatics of the upper limb) |
| **13** | Lower limb muscles |
| **14** | Gross anatomy lab (Muscles of the hip, thigh, leg and foot) |
| **15** | Peripheral structures of the lower limb |
| **16** | Gross anatomy lab (Cutaneous nerves, veins, arteries and lymphatics of the lower limb) |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  | **X** |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  |  | **X** |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**COURSE INFORMATION FORM**

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| **CLASS** | 1 |

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| **COURSE CODE** | 161112007 | **COURSE NAME** | Organic chemistry |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | | **Credit** | **ECTS** | **TYPE** | | **LANGUAGE** |
| Spring  autumn | 2 | |  |  | | | 2 | 2 | COMPULSORY (X) ELECTIVE ( ) | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Mechanical Engineering Profession**  **[if it contains considerable design, mark with (√) ]** | | | | | **Social Science** |
| X | |  | | | |  | | | | |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** |
| 1st Mid-Term | | | | | 1 | 25 |
| 2nd Mid-Term | | | | | 1 | 25 |
| Quiz | | | | |  |  |
| Homework | | | | |  |  |
| Project | | | | |  |  |
| Report | | | | |  |  |
| Others (………) | | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 |
| **PREREQUIEITE(S)** | | | | | --- | | | | | | |
| **COURSE DESCRIPTION** | | | | | Organic chemistry is one of the most important area. It refers to as the chemistry of carbon compounds. Organic chemistry is discipline which examines structure and properties of chemical compounds which includes carbon, hydrogen, nitrogen, oxygen, phosphorus, halogens and sulphur atoms. | | | | | | |
| **COURSE OBJECTIVES** | | | | | The basis for medicine and dentistry lessons, to teach the general objectives such as the relationships of structure-functions, chemical bonds, chemical reactions and endogen and exogen aliphatic, aromatic and heterocyclic molecules | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Structure-function relationships of cellular biomacromoleules on physiological and pahophysiological processes | | | | | | |
| **COURSE OUTCOMES** | | | | | To teach structures and functions of biomolecules and to teach the role of physiological and pahological processes | | | | | | |
| **TEXTBOOK** | | | | | Lecture notes  Eczacılık ve Sağlık Bilimleri Öğrencileri için Organik Kimya Kitabı. Prof.Dr. Ş. Güniz KÜÇÜKGÜZEL | | | | | | |
| **OTHER REFERENCES** | | | | | --- | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | --- | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | The importance of organic chemistry in the Medical and Dentistry Faculties and Biochemistry teaching |
| 2 | The importance of organic chemistry in the Medical and Dentistry Faculties and Biochemistry teaching |
| 3 | Elemental structure of living cells  Kinds of chemical bonds: Covalent and hydrogen bonds  Kinds of organic reactions and some organic reactions which biochemical perspectives |
| 4 | Elemental structure of living cells  Kinds of chemical bonds: Covalent and hydrogen bonds  Kinds of organic reactions and some organic reactions which biochemical perspectives |
| 5 | Hydrocarbons: Alcanes |
| 6 | Hydrocarbons: Alcanes |
| 7 | Hydrocarbons: Alcenes |
| 8 | Hydrocarbons: Alcenes |
| 9 | Hydrocarbons: Alcines |
| **10, 11** | **MID-TERM EXAM** |
| 12 | Hydrocarbons: Alcines |
| 13 | Kinds of isomerisation and importance in the biochemical reactions; structural isomerism (tautomerism), geometrical isomerism (cis-trans), optical isomerism, D, L isomerism |
| 14 | Kinds of isomerisation and importance in the biochemical reactions; structural isomerism (tautomerism), geometrical isomerism (cis-trans), optical isomerism, D, L isomerism |
| 15 | Functional groups; Hydroxyl groups (alcohols, -OH), amino group (NH2), carbonyl group (aldehyde and ketones, C=O) |
| 16 | Functional groups; Hydroxyl groups (alcohols, -OH), amino group (NH2), carbonyl group (aldehyde and ketones, C=O) |
| 17 | Functional groups; Carboxyl groups (carboxylic acids, COOH), sulphydril groups (SH) |
| 18 | Functional groups; Carboxyl groups (carboxylic acids, COOH), sulphydril groups (SH) |
| 19 | The functional importance of functional groups in macromolecules, structural and cellular reactions; Esters and ATP, cyclic eters and epoksid compounds, disulphur bonds and insulin |
| 20 | The functional importance of functional groups in macromolecules, structural and cellular reactions; Esters and ATP, cyclic eters and epoksid compounds, disulphur bonds and insulin |
| 21 | The functional importance of functional groups in macromolecules, structural and cellular reactions; sulphydril compounds and glutathione, schiff base and transamination reactions, aldehydes and the cycle of vision |
| **22, 23** | **MID-TERM EXAM** |
| 24 | The functional importance of functional groups in macromolecules, structural and cellular reactions; sulphydril compounds and glutathione, schiff base and transamination reactions, aldehydes and the cycle of vision |
| 25 | Important ring systems which are building blocks of cellular macromolecules and importance in chemical reactions; steroidal structure and common molecules including same structure |
| 26 | Important ring systems which are building blocks of cellular macromolecules and importance in chemical reactions; steroidal structure and common molecules including same structure |
| 27 | Important ring systems which are building blocks of cellular macromolecules and importance in chemical reactions; heteocyclic ring systems |
| 28 | Important ring systems which are building blocks of cellular macromolecules and importance in chemical reactions; heteocyclic ring systems |
| 29 | Aromatic and non-aromatic cyclic compounds; molecular structure of benzene, properties of aromatic hydrocarbons and aromatic substation reactions, quinone compounds |
| 30 | Aromatic and non-aromatic cyclic compounds; molecular structure of benzene, properties of aromatic hydrocarbons and aromatic substation reactions, quinone compounds |
| 31 | Amino acid and proteins, Lipids |
| 32 | Amino acid and proteins, Lipids |
| 31, 32 | Carbohydrates, nucleic acids and DNA, enzymes, hormones, chemical carcinogens |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** | |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. |  | **X** |  | |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  | **X** |  | |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  | |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  | |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  | |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **X** |  | |
| 7 | Consciousness of professional and ethic responsibility |  | **X** |  | |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  | |
| **1**: None. **2**: Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

|  |  |
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| **CLASS** | 1 |

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| **COURSE CODE** | 161111001 | **COURSE NAME** | Physics |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall | 2 | 0 | | 0 | | 2 | | 2 | COMPULSORY (x) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
| x | | |  | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 40 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 60 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Measurement and units; Vectors; Kinematics; Dynamics; Work and Energy; Momentum and Collisions; Rotational Motion; Equilibrium; Electric charges, Coulomb Law, Electric Field, Elektrik Potential, Elektrik Current, Magnetics Field. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To teach the basic concepts and laws of physics and practices of daily life. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | In practice, to solve problems of varieties of physical systems and to improve their ability to practice in daily life. Using them, students will realize the role of physics in applied sciences such as health sciences and engineering. | | | | | | | |
| **COURSE OUTCOMES** | | | | |  | | | | | | | |
| **TEXTBOOK** | | | | | Karaoğlu B, 2012, Üniversiteler için Fizik, Seçkin yayıncılık | | | | | | | |
| **OTHER REFERENCES** | | | | | Frederik J. Buche, Jerde David A., Translate Editor: Kemal Çolakoğlu, 2007, Fizik İlkeleri Cilt I ve II, Palme Yayıncılık. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Measurement and units |
| 2 | Vectors |
| 3 | Motion in one and two dimension |
| 4 | Motion laws and Aplications |
| 5 | Work, Power and Energy |
| 6 | Momentum and Collisions |
| 7 | Mid-Term |
| 8 | Rotational Motion |
| 9 | Rotational Motion Applications |
| 10 | Equilibrium |
| 11 | Electric Charge, Coulomb Force and Electric Field |
| 12 | Electrical Potential |
| 13 | Elektric Current |
| 14 | Magnetic Field and Magnetic Field Sources |
| 15 | Heat and Thermodynamics |
| 16 |  |
| 17 |  |
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| 20 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  | **X** |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry Course Information Form**

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| **CLASS** | 1 |

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| **COURSE CODE** | 161111002 | **COURSE NAME** | Epidemiology |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | | |
| **Theory** | | **Practice** | **Labratory** | | | **Credit** | **ECTS** | | **TYPE** | | **LANGUAGE** |
| 1 | 1 | | 0 | 0 | | | 1 | 1 | | COMPULSORY (X) ELECTIVE ( ) | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Medical Science (x)** | | | | **Clinical Science** | | | | | **Social Science** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | | **%** | |
| 1st Mid-Term | | | | 1 | | 45 | |
| 2nd Mid-Term | | | |  | |  | |
| Quiz | | | |  | |  | |
| Homework | | | | 1 | | 5 | |
| Project | | | |  | |  | |
| Report | | | |  | |  | |
| Others (………) | | | |  | |  | |
| **FINAL EXAM** | | | | |  | | | | 1 | | 50 | |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Providing health and disease control and understanding of causes  Analyzing health and disease events in the society systematically | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To learn epidemiological methods and their usage in application areas  To get knowledge about: definition and goals of epidemiology, types of studies, calculation of rates, ratios and risks related to health-related situations and events. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | To ensure that they act according to epidemiological rules in planning, implementing and evaluating health services. | | | | | | | |
| **COURSE OUTCOMES** | | | | | 1. Make definition of epidemiology 2. Describe the usage areas of epidemiology 3. Classify epidemiological research types 4. Describe the purpose of epidemiological investigations 5. Understand the importance of epidemiological investigations 6. Know the advantages and disadvantages of epidemiological research types 7. Choosing the right epidemiologic method when planning a study | | | | | | | |
| **TEXTBOOK** | | | | | 1. Kublay G., Emiroğlu ON., Subaşı Baybuğa M., Örsal Ö., Tokur Kesgin M. Sağlık Bilimlerinde Epidemiyoloji. Amasya, Göktuğ Yayıncılık, 2017 2. Gordis L. Epidemiology Student Consult. 5 ed. Philadelphia, Canada: Elsevier, Saunders, 2014. 3. Beaglehole R, Bonita R, Kjellström T. Basic Epidemiology [Temel Epidemiyoloji]. Cenevre: WHO 1997:42. 4. Bonita R, Beaglehole R, Kjellstrom T. Basic Epidemiology. Geneva: WHO 2006:45-48. | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Vaughan JP. Morrow RH. Çeviri Edi. Bertan M., Enünlü T. Bölge Sağlık Yönetiminde Epidemiyoloji El kitabı, Ankara, Dünya Sağlık Örgütü, Halk Sağlığı Vakfı, 1995 2. Özatalay N. Bulaşıcı Hastalıklar ve Epidemiyoloji, Ankara Hatipoğlu Yayınevi, 1995 3. Bilir N., Güler Ç., Epidemiyoloji, Ankara, Hatipoğlu Yayınevi, 1989 4. Tezcan S. Epidemiyoloji Tıbbi Araştırmaların Yöntem Bilimi, Ankara, Hacettepe Halk Sağlığı Vakfı, 1992 5. Gordis L., Epidemiyoloji, U.S., W.B. Sounders Company,1996 6. Sümbüloğlu V., Sezer E., Sümbüloğlu K. Epidemiyoloji ve Araştırma Teknikleri, Ankara, Somgür Yayıncılık, 1999 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, barcovision, board, chalk | | | | | | | |

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| **COURSE SYLLABUS** | | |
| **WEEK** | **TOPICS** |
| 1 | Definition, scope and areas of uses of epidemiology |
| 2 | Epidemiological process and research process |
| 3 | Data, features and epidemiological data sources |
| 4 | Concept of health and disease  Determinants of health and health measures |
| 5 | Descriptive research |
| 6 | Case report, Ecological research |
| 7 | Analytical research |
| 8 | Cross-sectional studies |
| 9 | Case-control studies |
| 10-11 | MID-TERM EXAM |
| 12 | Cohort investigations |
| 13 | Clinical experimental epidemiology |
| 14 | Community-based experimental epidemiology |
| 15 | Methodological research |
| 16 | Surveillance and surveys |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **X** |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 1 |

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| **COURSE CODE** | 161111003 | **COURSE NAME** | Medical Biology |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
|  | 2 | x | | x | | 2 | | 3 | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | | X | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 (Test) | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 (Test) | 50 | |
| **PREREQUIEITE(S)** | | | | | Definition of biology, cell and structure of cell membran, cytoplasma and organels of cell, nucleus, physical sturucture of cell, transport in cells,active transport in cell membran, chemical structure of cell, organic and inorganic materials, proteins and nucleic asids , synthesis of protein, enzymes and vitamins, cell metabolism, photosynthesis and chemosynthesis, cell respiration, stimulus system of cell, cell division (mitosis and meiosis). | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Teaching structure of cells and vitality events are provide by giving vitality logy which is basic concept of biology. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | In this course, students will learn the fundamentals of biology basic concepts, cell structure and cell viability. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | By teaching cells which are basic of vitality, aims are that provided to be basic to lessons that are in the future. | | | | | | | |
| **COURSE OUTCOMES** | | | | | To learn the basic structure and function of a cell with all respect, which are the basic unit of live. | | | | | | | |
| **TEXTBOOK** | | | | | Medical Biology of Student Book (Prof.Dr. Ayşe BAŞARAN)  Güneş HV: Moleküler Hücre Biyolojisi, 3. Baskı, İstanbul Tıp Kitabevi, İstanbul, 2012. | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Alberts, B., Bray, J., D., Lewis, Raff, M., Roberts, K., Wartson, J., D. : Molecular Biology of THE CELL, Third Edition, Gurland Puplishing, Inc. New York London 1994. 2. Kimball J.W. Biology. Fourth Ed., Addison-Wesley Pub. Comp. Third Printing, London, 1979. 3. Noland G.B. : General Biology, Eleventh Ed., The C.V. Mosby Comp.., London, 1983. 4. Savıge J.M. : Evolution. Third Ed.., Holt, Rinehart and Winsten, Newyork, 1977. 5. Cooper G.M. : The Cell, A molecular Approach ASM Press, Washington, D.C., 1997. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer and projector | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Definition of biology, Cell Types (Prokaryotic and eukaryotic cells) |
| 2 | Structure of cell and cell membrane |
| 3 | Surface differentiation of cell membrane |
| 4 | Cytoplasma and cytoskeleton |
| 5 | Cell organelles and Nucleus |
| 6 | Transport at cell membrane |
| 7 | Structure of nucleic acids (DNA) |
| 8 | RNA, RNA synthesis |
| 9 | DNA Repair |
| 10 | **Midterm Exam** |
| 11 | **Midterm Exam** |
| 12 | Synthesis, maturation and transport of proteins |
| 13 | Gene function and regulation- I |
| 14 | Gene function and regulation- II |
| 15 | Signal transduction pathway |
| 16 | Cell cycle, Mitosis and meiosis division |
| 17 | Cell senescense and apoptosis |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry Course Information Form**

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| **CLASS** | 1 |

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| **COURSE CODE** | 161112016 | **COURSE NAME** | Biophysics |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| SPRING | 2 |  | |  | | 2 | | 4 | COMPULSORY (X) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | | X | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | **1** | **40** | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | **1** | **60** | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Membrane Transport, Action Potential, Synaptic Transmission, Neuronal Integration and Biological Control. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The intention of this course has been to present the foundations of bioelectricity in the way in which it is used by biophysicists. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The student should have ability to use principles of Biophysics in understanding and diagnosis of related diseases. | | | | | | | |
| **COURSE OUTCOMES** | | | | | By the end of this course, the student should have come to realize that the quantitative understanding of organ systems hinges importantly on considerations involving the application of biophysical principles/methods to these systems. | | | | | | | |
| **TEXTBOOK** | | | | | **Ferhan Esen ve Hamza Esen:** BİYOFİZİK Nörobiyofizik; Ankara Nobel Tıp Kitabevleri; Ankara 2016. ISBN: 978-605-9215-10-7 | | | | | | | |
| **OTHER REFERENCES** | | | | | **Çelebi G:** Biyomedikal Fizik (2. Baskı), Barış Yayınları-Fakülteler Kitabevi, 1995.  **Hoppe W., Lohmann W., Markl H., Ziegler H. (eds):** Biophysics, Springer-Verlag, Berlin, 1983.  **Ruch T.C, Patton H.D:** Physiology and Biophysics (19.Edition), Saunders Company,1966  **Vasilescu V., Margineanu D.G.:** Introduction to Neurobiophysics. Abacus Press, 1982. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, [Slide Projection](https://www.seslisozluk.net/slide-projection-nedir-ne-demek/) | | | | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 1 |

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| **COURSE CODE** | 161112011 | **COURSE NAME** | Medical Genetics |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Spring | 2 |  | |  | | 2 | | 2 | COMPULSORY (x)ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | | x | | | | x | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | |  | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Introducing the gene and chromosome concepts and learning gene expression mechanisms and factors that influence them, mutation types and clinical outcomes of them, both Mendelian and non-Mendelian inheritance patterns and diseases, analysis methods in medical genetics, common genetic diseases, cancer genetics, genetic malformations of dental structure, genetic methods used in prenatal and postnatal diagnosis and their indications | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Unifying the concepts and basic mechanisms in medical genetics, reciting the causes of the diversity of the genetic diseases, evaluating the approaches families at risk with respect to genetic diseases they can face in future and making genetic counseling approaches applicable | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Knowing the genetic malformations and molecular pathologies related to dental structure, learning approaches to the patient and her/his family, developing genetic counseling attitudes with risk assessments will contribute to the patient-physician relationship. | | | | | | | |
| **COURSE OUTCOMES** | | | | | To be able to learn the basic genetic concepts and the methods used in genetic diagnosis, to learn and analyze the appropriate approach to individuals with genetic disease who apply to the physician, and to gain the ability to interpret the results. | | | | | | | |
| **TEXTBOOK** | | | | | Nussbaum RL, McInnes RR, Willard HF. Thompson and Thompson Tıbbi Genetik, ISBN:975-277-031-2. Güneş Kitapevi 2005 | | | | | | | |
| **OTHER REFERENCES** | | | | | Öner C. Genetik Kavramlar, Palme Yayıncılık, 2010 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Medical Genetics description, content and general concepts |
| 2 | Chromosome Morphology and nomenclature system |
| 3 | Numerical / Structural Chromosome Abnormalities |
| 4 | Gene structure, regulation and expression |
| 5 | Types of mutation and description |
| 6 | Mendelian Inheritance |
| 7 | Non-Mendelian Inheritance |
| 8 | Non-Mendelian Inheritance and related disorders |
| 9 | 1st Mid-Term |
| 10 | 1st Mid-Term |
| 11 | Epigenetics |
| 12 | Multifactorial Inheritance and Genetic Diseases |
| 13 | Cancer Genetics |
| 14 | Genetic methods used in prenatal and postnatal diagnosis |
| 15 | Dental anomalies associated with genetic diseases |
| 16 | Oral / dental malformations associated with genetic diseases |
| 17 | Genetic Counseling |
| 18 | Final Exam |
| 19 | Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. |  | **X** |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  | **X** |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Cell Membrane and Membrane Transport |
| 2 | Passive Transport |
| 3 | Active Transport, Ion Pumps |
| 4 | Description of Membranes by Equivalent Electric Circuits |
| 5 | General Characteristics of Excitable Cells. Electrotonic (Passive) Spread of the Electric Signals over Cell Membrane: Cable Properties of the Axons. |
| 6 | **MID-TERM EXAM** |
| 7 | **MID-TERM EXAM** |
| 8 | Regenerative (Active) Propagation of the Electric Signals in Excitable Membranes: Hodgkin-Huxley Action Potential Equation |
| 9 | Voltage and Patch Clamp Techniques |
| 10 | Ion Channels |
| 11 | Compound Action Potential, Properties of Nerve Fibers. |
| 12 | Electrical and Chemical Synapses. |
| 13 | Excitatory and Inhibitory Postsynaptic Potentials. |
| 14 | Equivalent Electric Circuit Model of Postsynaptic Membrane. Neuronal Integration |
| 15 | Receptors and Biological Control |
| 16 | Receptors and Biological Control |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge on bioelectrics to understand the related organ/body functions. | **X** |  |  |
| 2 | Ability to use principles of Biophysics in understanding and diagnosis of related diseases. |  | **X** |  |
| 3 | Sufficient knowledge on the principles of Biophysical methods in medicine. | **X** |  |  |
| 4 | Ability to use the multi-disciplinary concepts in understanding the problems. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **X** |  |
| 7 | Understanding of professional and ethical issues and taking responsibility |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 2 |

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| **COURSE CODE** | 161114003 | **COURSE NAME** | Histology and Embryology |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
|  | 2 |  | | 1 | |  | |  | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | | X | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 (Test) | 25 | |
| 2nd Mid-Term | | | | | 1 (Test) | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 (Test) | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | |  | | | | | | | |
| **COURSE OBJECTIVES** | | | | |  | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | |  | | | | | | | |
| **COURSE OUTCOMES** | | | | |  | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction to histology |
| 2 | Histological methods |
| 3 | Epithelial tissue 1- Covering epithelium |
| 4 | Epithelial tissue 2-Secretory epithelium and secretion |
| 5 | Connective tissue |
| 6 | Cartilage tissue |
| 7 | Bone tissue |
| 8 | Fat Tissue and Bone marrow |
| 9 | Blood Tissue |
| 10 | Muscle tissue |
| 11 | Nerve tissue |
| 12 | Introduction to embryology |
| 13 | Gametogenesis |
| 14 | Human development (First week) |
| 15 | Human development (Second week) |
| 16 | Human development (Third week) |
| 17 | Pharyngeal arches |
| 18 | Development of Head, neck and face |
| 19 | Development and histology of cardiovascular system |
| 20 | Development and histology of the lymphoreticular system |
| 21 | Development and histology of respiratory system |
| 22 | Development and histology of the digestive system-1 |
| 23 | Development and histology of the digestive system-2 |
| 24 | Development and histology of digestive system-3 |
| 25 | Development and histology of the female genital system |
| 26 | Development and histology of male genital system |
| 27 | Development and histology of urinary system |
| 28 | Development and histology of Endocrine system |
| 29 | Development and Histology of Nervous System |
| 30 | Development and Histology of sense organs |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **X** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **X** |  |
| 7 | Consciousness of professional and ethic responsibility |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ**  **Faculty of DentIstry COURSE INFORMATION FORM**

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| **CLASS** | 2 |

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| **COURSE CODE** | 161114011 | **COURSE NAME** | PHYSIOLOGY |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall-Spring | 4 | 4 | |  | | 6 | | 6 | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | | x | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | **%** |
| 1st Mid-Term | | | | | 1 | | 25 |
| 2nd Mid-Term | | | | | 1 | | 25 |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Others (………) | | | | |  | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | 50 |
| **PREREQUIEITE(S)** | | | | | Should learn anatomy, histology, biochemistry and biophysics | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Physiology of muscles, blood, circulatory, respiratory, urinary, digestive, nervous, endocrin, sensory systems. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To teach how the body of a healthy and young person works. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | To teach normal physiology | | | | | | | |
| **COURSE OUTCOMES** | | | | | To be learned human physiology | | | | | | | |
| **TEXTBOOK** | | | | | Course notes | | | | | | | |
| **OTHER REFERENCES** | | | | | Guyton and Hall;Textbook of Medical Physiology  Berne and Levy; Physiology  Widmaier, Raff, Strang; Vander’s Human Physiology | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Blackboard, overhead projector, computer system. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | To meet with students and introduction to physiology |
| 2 | Membran potentials, skeletal muscle physiology |
| 3 | Smooth and cardiac muscle physiology |
| 4 | Functions of blood, plasma and erytrocytes |
| 5 | Leucocytes and platelet physiology |
| 6 | Electrophysiology of heart |
| 7 | The cardiac cycle, ECG |
| 8 | Cardiac output |
| 9 | Blood vessels and measurement of blood pressure |
| 10 | Mid-Term Exam-1 |
| 11 | Transport of gases and hypoxia |
| 12 | Regulation of respiration |
| 13 | Mechanical digestion and movement of foods |
| 14 | Chemical digestion and GI hormones |
| 15 | Absorbtion of nutrients and regulation of feeding |
| 16 | Basic renal mechanisms |
| 17 | Regulation of Na and water in the body |
| 18 | Neural synapses and functions |
| 19 | Functions of Central Nervous System |
| 20 | Peripheral Nervous System and serebrospinal fluid |
| 21 | Sensory receptors |
| 22 | Brain, behaviour and consciousness |
| 23 | Mid-Term Exam-2 |
| 24 | Vision system |
| 25 | Hearing and chemical senses |
| 26 | Hypothalamic and hypophisial hormones |
| 27 | Tyroid hormones |
| 28 | Hormones of blood glucose homeostasis |
| 29 | Endocrin regulation of growth and calcium balance |
| 30 | Final Exam |

**PROGRAM OUTCOMES**

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  |  | **X** |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  |  | **X** |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  | **X** |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **X** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  |  | **X** |
| 7 | Consciousness of professional and ethic responsibility |  |  | **X** |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:no contribution. **2**: partially contribution Var. **3**:full contribution. | | | | |

**ESOGÜ Faculty of Dentistry Course Information Form**

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| **CLASS** | 2 |

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| **COURSE CODE** | 161114005 | **COURSE NAME** | Anatomy II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| FALL and SPRING | 4 | 4 | | 4 | | 6 | | 6 | COMPULSORY (**X**) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | | **x** | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 20 | |
| 2nd Mid-Term | | | | | 1 | 20 | |
| Quiz | | | | |  |  | |
| Homework | | | | | 1 | 10 | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | N/A | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The content of this course includes the following Anatomical Systems: 1. The First Step in Learning: Starts with Being an Effective Listener, 2. Cardiovascular System, 3. Respiratory System, 4. Digestive System, 5. Urogenital System, 6. Nervous System, 7. Endocrine System, 8. Sense Organs, 9. The Muscles of the Facial Expression, 10. Nerves and Innervation of the Head and Neck, and 11. Vessels and Lymphatic Drainage of the Head and Neck. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | In this course, detailed information about the usage and fundamentals of the anatomical systems that are listed above will be lectured. While giving this knowledge, the relationship between basic and clinical sciences has to be emphasized. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Students will be able to understand and use the information regarding the Anatomical System and define the organs that form the each system and point out the relationships of the organs of the different systems. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students will be able to understand and use the information regarding the Anatomical System and define the organs that form the each system and point out the relationships of the organs of the different systems. | | | | | | | |
| **TEXTBOOK** | | | | | - Arıncı, K, Elhan, A: Anatomi, Cilt 1-2, 2. Baskı, Güneş Kitabevi, Ankara, 1997.  - Çimen, A: Anatomi. Uludağ Üniversitesi Basımevi, Bursa, 1987.  - Dere, F: Anatomi, Cilt 1-2, 2. Baskı, Okullar Pazarı Kitabevi, Adana, 1990.  - Moore, KL: Clinically Oriented Anatomy. 3th Edition, Williams and Wilkins, Baltimore, 1992.  - Netter F.H.:Atlas of Human Anatomy, Seventh Edition, Ciba-Geigy Corporation, 1994. | | | | | | | |
| **OTHER REFERENCES** | | | | | **Sobotta Human Anatomy Atlas, 2006.** | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | N/A | | | | | | | |

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| **COURSE SYLLABUS (Fall + Spring )** | |
| **WEEK and DATE** | **TOPICS** |
| **1. September 21, 2017** | **Cardiovascular System I:** (Pericardium, Pericardial recesses, surfaces of the heart) |
| **2. September 28, 2017** | **Cardiovascular System II:** (Heart chambers and their condents) |
| **3. October 5, 2017** | **Cardiovascular System III:** (Cardiac vessels) |
| **4. October 12, 2017** | **Cardiovascular System IV:** (Conduction system fetal circulation) |
| **5. October 19, 2017** | **Respiratory System I:** (Nose and nasal cavity) |
| **6. October 26, 2017** | **Respiratory System II:** (Pharynx and its parts) |
| **7. November 2, 2017** | **Respiratory System III:** (Larynx and Trachea) |
| **8. November 9, 2017** | **Respiratory System IV:** (Lungs and Mediastinum) |
| **9. November 16, 2017** | **Digestive System I:** (Oral cavity) |
| **10. November 23, 2017** | **MID-TERM EXAM I** |
| **11. November 30, 2017** | **MID-TERM EXAM I** |
| **12. December 7, 2017** | **Digestive System II:** (Pharynx and Esophagus) |
| **13. December 14, 2017** | **Digestive System III:** (Stomach and small intestines) |
| **14. December 21, 2017** | **Digestive System IV:** (Large intestines) |
| **15. December 28, 2017** | **Digestive System V:** (Liver, pancreas, and gallbladder) |
| **16. January 4, 2018** | **Digestive System VI:** (Peritoneum and peritoneal recesses) |
| **17. January 11, 2018** | **MID-TERM BREAK** |
| **18. January 18, 2018** | **MID-TERM BREAK** |
| **19. January 25, 2018** | **MID-TERM BREAK** |
| **20. February 1, 2018** | **MID-TERM BREAK** |
| **21. February 8, 2018** | **MID-TERM BREAK** |
| **22. February 15, 2018** | **MID-TERM BREAK** |
| **23. February 22, 2018** | **MID-TERM BREAK** |
| **24. March 1, 2018** | **Nervous System I:** (Introduction to nervous system and spinal cord) |
| **25. March 8, 2018** | **Nervous System II:** (Brain stem) |
| **26. March 15, 2018** | **Nervous System III:** (Telencephalon and Cortical centers) |
| **27. March 22, 2018** | **Nervous System IV:** (Cranial nerves I-XII) |
| **28. March 29, 2018** | **Nervous System V:** (Ascending and Descending Pathways) |
| **29. April 5, 2018** | **MID-TERM EXAM II** |
| **30. April 12, 2018** | **MID-TERM EXAM II** |
| **31. April 19, 2018** | **Nervous System VI:** (Autonomic nervous system) |
| **32. April 26, 2018** | **Urogenital System I:** (Urinary system) |
| **33. May 3, 2018** | **Urogenital System II**: (Male and Female Genital Systems) |
| **34. May 10, 2018** | **Sense Organs I:** The eye and Ear |
| **35. May 17, 2018** | **Sense Organs II:** Taste and Skin |
| **36. May 24, 2018** | **Vessels, lymphatics, nerves and innervation of head and neck** I |
| **37. May 31, 2018** | **Vessels, lymphatics, nerves and innervation of head and neck** II |
| **38. June 7, 2018** | **Vessels, lymphatics, nerves and innervation of head and neck** III |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **X** |  |
| 7 | Consciousness of professional and ethic responsibility |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 2 |

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| **COURSE CODE** | 161114006 | **COURSE NAME** | MICROBIOLOGY - BACTERIOLOGY |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| 3 and 4 | 4 | 2 | | 0 | | 5 | | 6 | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | | X | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Content of the lesson is as follows: Introduction to and short history of microbiology and, taxonomy of microorganisms, structure and physiology of bacteria, staining methods, sampling and general isolation methods, normal microbial flora, disinfection and sterilization methods, introduction to immunology, antigen and immunoglobulin, structure of immune system, immune response, active and passive immunization, introduction to bacteriology, gram positive coccus, gram negative coccus, gram positive bacilli, gram negative bacilli, Mycobacteria, spirokets, Mycoplasma, Chlamydia, Introduction to Medical Virology, DNA viruses, RNA viruses, Introduction to Medical Mycology, yeast and molds, Introduction to Medical Parasitology, intestinal and urogenital protozoa, blood and tissue protozoa, helminthes. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To teach the basic subjects about Medical Microbiology and Immunology, and general features, classification, virulence mechanisms, disease spectrums, epidemiology, clinical findings, laboratory diagnosis and protective methods of bacteria, yeast and molds, parasites, viruses. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | To teach the general subjects about infection agents and the responses that human being gives against these agents and to teach the common and important microorganisms, and diagnostic and protective methods | | | | | | | |
| **COURSE OUTCOMES** | | | | | 1.  Understand the basic characteristics and importance of microorganisms.  2.   Learn nomenclature, classification and identification of microorganisms of medical importance.  3.  Know the anatomy of a prokaryotic cell, the functions of the parts, and how it differs    from a eukaryotic cell.  4.  Know basic bacterial shapes and arrangements and differences between Gram negative and positive cell walls.  5.  Know physiology of bacteria (growth requirements and terms: temperature, pH, and atmosphere).  6.  Know microbial genetics and terminology (mutation, transformation, transduction, conjugation).  7.  Know details of Gram stain, acid fast stain and Giemsa and their purpose.  8. Learn the artificial growth media of microorganisms.  9.  Know normal flora within the human host and its clinical relevance  10.  Know sterilization & disinfection methods and effect of physical and chemical agents on microbe and terms as disinfection, sterilization and antisepsis.  11. Know basic concepts about immunology including antigen and antibody.  12. Learn lymphoid organs and cells.  13. Learn immune response process.  14. Learn immuno-prophylaxis methods to prevent infectious diseases.  15. Understand the definition, structure and classification of bacteria, viruses, fungi and parasites.  16. Understand basic laboratory techniques related to the identification of bacteria, viruses, fungi and parasites.  17. For laboratory diagnosis of individual infectious agent, describe basic classification, important differentiating laboratory tests, important unique microscopy or growth characteristics.  18. Learn the basic principles of prevention and control of individual infectious diseases which may include alteration of the reservoir of infection, interruption of transmission of infection. | | | | | | | |
| **TEXTBOOK** | | | | | 1. Tıbbi Mikrobiyoloji. Patrick R. Murray, Ken S. Rosenthal, Michael A. Pfaller. Çeviri Editörü: Ahmet Başustaoğlu. Atlas Kitapçılık, Ankara, 2010.  2. Enfeksiyon Hastalıkları ve Mikrobiyolojisi. Prof. Dr. Ayşe WILLKE TOPÇU, Prof. Dr. Güner SÖYLETİR, Prof. Dr. Mehmet DOĞANAY. Nobel Tıp Kitabevi. 2008. | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Barcovision- power point presentations  Medical Microbiology Laboratory | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | History of Microbiology, Classification of microorganisms  Structure of bacteria  Practice 1: Recognition and Rules of Microbiology Laboratory-1 |
| 2 | Physiology and metabolism of bacteria  Genetics of bacteria  Practice 1: Recognition and Rules of Microbiology Laboratory-2 |
| 3 | Structure of fungi and growth characteristics  Classification, structure and growth of parasites  Practice 3: Morphology of microorganisms |
| 4 | Growth Media of Microorganisms  Stains used in medical Microbiology  Practice 4: Growth media and techniques |
| 5 | Basic concepts on sterilization and disinfection  Practices of sterilization and disinfection  Practice 5: Microbiological staining methods |
| 6 | Biosafety  Viral classification, structure and replication  Practice 6: Practices of sterilization and disinfection |
| 7 | Antimicrobials  Practice 7: Antimicrobial susceptibility tests |
| 8 | Introduction to immunology and antigen  Immunoglobulins (antibodies)  Practice 8: Immunology: Antigen and antibody |
| 9 | **1. MIDTERM EXAM** |
| 10 | Organs of immune system  Cells of immune system  Practice 9: Immunology: Structure of immune system |
| 11 | Microbiota  Innate immunity  Practice 10: Evaluation of microbiota |
| 12 | Cellular immune response  Humoral immune response  Practice 11: Immune response |
| 13 | Hypersensitivity reactions  Vaccines and immune sera  Practice 12: Hypersensitivity reactions |
| 14 | Direct diagnostic methods in microbiology  Indirect diagnostic methods in microbiology  Practice 13: Collection and transport of microbiological samples |
| 15 | Formation of infection  Epidemiology of infection  Practice 14: Diagnostic methods used in microbiology |
| 16 | Staphylococci  Streptococci, Enterococci  Practice 15: Aerobic Gram positive cocci |
| 17 | Anaerobic bacteria (Clostridium, Actinomyces, Bacteroides and others)  Microaerophilic bacteria (Campylobacter, Helicobacter)  Practice 16: Anaerobic and microaerophilic bacteria |
| 18 | Neisseria, Moraxella  Acinetobacter and other aerobic gram negative cocci  Practice 17: Aerobic Gram negative cocci |
| 19 | Enteric bacilli  Vibrio, Pseudomonas and other aerobic Gram negative bacilli  Practice 18: Aerobic Gram negative bacilli |
| 20 | Bacillus, Corynebacterium  Nocardia and other aerobic gram positive bacilli  Practice 19: Aerobic Gram positive bacilli |
| 21 | Mycobacterium  Mycoplasma, Chlamydia, Rickettsia  Practice 20: Mycobacterium |
| 22 | **2. MIDTERM EXAM** |
| 23 | Spirochetes (Treponema, Borrelia, Leptospira)  Herpesviruses (HSV, VZV, CMV, EBV, HHV 6-7-8)  Practices 21: DNA viruses (Poxvirus, Adenovirus, Parvovirus, Papilloma, Polyomavirus) |
| 24 | Picornavirus, Coronavirus, Norovirus  Hepatitis viruses (HAV, HBV, HCV, HDV, HEV)  Practices 22: Hepatitis viruses |
| 25 | Retrovirus (HIV) and other oncogenic viruses  Orthomyxoviruses, Paramyxoviruses  Practices 23: RNA viruses (Reo, Toga, Arena) and Prions |
| 26 | Superficial and cutaneous mycosis agents (Malassezia and dermatophytes)  Endemic dimorphic fungi  Practices 24: Mycology-1 |
| 27 | Opportunistic fungi (Candida, Cryptoccoccus, Aspergillus, Zygomycetes and others)  Practices 25: Mycology-2 |
| 28 | Protozoa (Entamoeba, Plasmodium, Leishmania and others)  Arthropods  Practices 26: Protozoa |
| 29 | Helmints (Trematod, Nematod)  Helmints (Cestod)  Practices 27: Helmints |
| 30 | **FINAL EXAM** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 2 |

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| **COURSE CODE** | 161114007 | **COURSE NAME** | Conservative Dentistry |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall-Spring | 4 | 8 | |  | | 8 | | 9 | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | **%** |
| 1st Mid-Term | | | | | 1 | | 10 |
| 2nd Mid-Term | | | | | 1 | | 10 |
| Quiz | | | | |  | |  |
| Homework | | | | | 3 | | 30 |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Others (Pratic Exam) | | | | |  | |  |
| **FINAL EXAM** | | | | |  | | | | |  | | 50(%25 Pratical Exam-%25 Teorical Exam) |
| **PREREQUIEITE(S)** | | | | | There is no prerequisite for this course. | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The objective of this course is to teach conservative treatment approaches and applications for dental tissue loss. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To teach conservative treatment approaches and applications for dental tissue loss. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Students who have successfully completed this course will be able to learn cavity preparation techniques and restorative materials applications. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students who have successfully completed this course will be able to learn cavity preparation techniques and restorative materials applications. | | | | | | | |
| **TEXTBOOK** | | | | | THEODORE ROBERSON, HAROLD O. HEYMANN, AND EDWARD J. SWİFT ‘STURDEVANT’S THE ART AND SCİENCE OF OPERATİVE DENTİSTRY’, MOSBY, V. BASKI, 2006.(TÜRKÇE) | | | | | | | |
| **OTHER REFERENCES** | | | | | Kenneth J. Anusavice "Phillips' Science of Dental Materials", Saunders, 11th. Edition, 2003.  3.    [John M. Powers](http://www.amazon.com/exec/obidos/search-handle-url/ref=ntt_athr_dp_sr_1?%5Fencoding=UTF8&search-type=ss&index=books&field-author=John%20M.%20Powers%20PhD) , [Ronald L. Sakaguchi,](http://www.amazon.com/exec/obidos/search-handle-url/ref=ntt_athr_dp_sr_2?%5Fencoding=UTF8&search-type=ss&index=books&field-author=Ronald%20L.%20Sakaguchi%20DDS%20%20PhD) "Craig's Restorative Dental Materials", Mosby,  7th Edition,  2006.  4.    [William J. O'Brien](http://www.amazon.com/exec/obidos/search-handle-url/ref=ntt_athr_dp_sr_1?%5Fencoding=UTF8&search-type=ss&index=books&field-author=William%20J.%20O%27Brien) , "Dental materials and their selection", Quintessence Publishing, 4th Edition, 2009.  5.    Hugh Devlin "Operative Dentistry, A pratical guide to recent innovations" Springer, 3rd Edition, 2006. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Interactive teaching supported by slides, observation, and practice | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEKS** | **TOPICS** |
| 11.09.2020 | Introduction of Conservative Dentistry |
| 18.09.2020 | Dental Hard Tissuies(Enamel) |
| 25.09.2020 | Dental Hard Tissuies(Dentin) |
| 02.10.2020 | Dental Hard Tissuies(Cementum) |
| 09.10.2020 | Hand Tools and equipments in Conservative Dentistry |
| 16.10.2020 | Rotary Instruments and equipments in Conservative Dentistry |
| 23.10.2020 | Rules of Cavity Preparation |
| 30.10.2020 | Rules of Cavity Preparation |
| 9-20.11.2020 | Mid Term Exam |
| 9-20.11.2020 | Mid Term Exam |
| 27.11.2020 | Rules of Cavity Preparation |
| 04.12.2020  11.12.2020 | Class II Cavity Preparation techniques Dental Amalgam Applications |
| 18.12.2020  25.12.2020 | Class V and III Cavity Preparation techniques Complex Cavity Preparation techniques |
| 05.02.2021  12.02.2021 | Restorations Dental cements & application techniques |
| 19.02.2021  26.02.2021 | Complex Dental Matrices |
| 05.03.2021  12.03.2021  19.03.2021  26.03.2021 | Dental Amagam & Dental Amalgam Applications |
| 02.04.2021 | Mercury Hygenie |
| 05-16.04.2021 | Mid Term Exam |
| 05-16.04.2021 | Mid Term Exam |
| 30.04.2021 | Saliva |
| 07.05.2021 | Saliva |
| 21.05.2021 | Halitosis- Bad Breath |
| 28.05.2021 | Discussion about Conservative Dentistry |
| 4.06.2021 | Discussion about Conservative Dentistry |

**PROGRAM OUTCOMES**

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  |  | **X** |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  | **X** |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **X** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **X** |  |
| 7 | Consciousness of professional and ethic responsibility |  |  | **X** |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of DentIstry COURSE INFORMATION FORM**

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| **CLASS** | 2 |

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| **COURSE CODE** | 161114008 | **COURSE NAME** | PROSTHODONTICS II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall-Spring | 4 | 16 | |  | | 12 | | 12 | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | x | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | **%** |
| 1st Mid-Term | | | | | 1 | | 15 |
| 2nd Mid-Term | | | | | 1 | | 15 |
| Quiz | | | | | 2 | |  |
| Homework | | | | | 20 | | 15 |
| Project | | | | | 1 | | 5 |
| Report | | | | |  | |  |
| Others (………) | | | | |  | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | 50 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Teaching oral cavity, teeth and dental structures  Theoretical & Practice: Structural elements of total and partial dentures, production techniques, fixed prosthesis and determinants of tooth preparation , impression techniques, fixing models to articulator, tooth setting, wax up and finishing procedures of removable dentures, full and partial crown construction, acrylic jacket crown construction tecnique, metal casting and casting defects. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Teach the physical properties of materials used in the laboratory manipulation of these materials. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Applying phase-one clinical laboratory to prepare students in clinical applications. To learn the purpose and use of laboratory tools and materials necessary. | | | | | | | |
| **COURSE OUTCOMES** | | | | | The basic tools and materials used during the construction of prosthetic laboratory and theoretical technical specifications, as well as the manipulation of the learned and practice. | | | | | | | |
| **TEXTBOOK** | | | | | 1. Ali Zaimoğlu, Gülşen Can. Sabit Protezler. 2. Baskı Ankara 2011. 2. Mutahhar Ulusoy.Kevser Aydın. Diş Hekimliğinde Hareketli Bölümlü Protezler. 3. Baskı.Ankara 2010 3. Senih Çalıkkocaoğlu, Pınar Kursoğlu, Nuray Çapa. Parsiyel Protezlerin Laboratuar İşlemleri. İstanbul 2005. 4. Senih Çalıkkocaoğlu. Tam Protezler. 4. Baskı. Ankara 2004. | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Herbert T. Shillingburg, Sumiya Hobo, Lowell D. Whitsett.Fundamentals of fixed prosthodontics. Quintessence Pub. Co., 1981. 2. Stephen F. Rosenstiel. Contemporary Fixed Prosthodontics. Elsevier Health Sciences, 2006. 3. Herbert T. Shillingburg, Richard Jacobi (D.D.S.), Susan E. Brackett.Fundamentals of Tooth Preparation. Quintessence Publishing Company, 1987 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Theoretical: Computer-aided projection, writing board  Practice: Kerosene stove, major and minor brass mold, acrylic jaw model with teeth, rubber jaw molds, hydraulic press, plaster engine, plaster vibrator, polishing engine, laboratory micromotor, handpiece, contra-angle handpiece, bowl and bowl spatula, plaster knife, wax spatula, brit, crochet pliers. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Anatomical structures on complete dentures |
| 2 | The pre-stages of tooth setting on complete dentures |
| 3 | Casting and clinical examination of edentulous arches |
| 4 | Complete denture base plate, wax template |
| 5 | Anterior teeth setting in complete dentures |
| 6 | Posterior teeth setting in complete dentures |
| 7 | Tooth setting and modelling in complete dentures |
| 8 | Construction phases of the complete dentures: Wax-up, transferring to brass mold,  Polymerization defects of acrylic |
| 9 | Construction phases of the complete dentures- Finishing and polishing procedures |
| 10 | Problems with complete dentures |
| 11 | Problem solutions in complete dentures |
| 12 | Types of removable partial dentures  Kennedy classification |
| 13 | Classification of partial dentures |
| 14 | Removable partial denture components – Retainers |
| 15 | Construction phases of the classical partial dentures- Tooth setting |
| 16 | Construction phases of partial dentures: Tooth setting, wax-up, transferring to brass mold, finishing procedures |
| 17 | Removable partial denture components- The main connectors |
| 18 | Removable partial denture components- Minor connectors |
| 19 | Removable partial denture components- Direct retainers, clasps |
| 20 | Removable partial denture components - Indirect retainers, rests |
| 21 | Laboratory procedures of partial denture framework |
| 22 | Partial denture types according to Kennedy classification |
| 23 | Precision Attachment-Retained Removable Partial Dentures-1 |
| 24 | Precision Attachment-Retained Removable Partial Dentures-2 |
| 25 | Clinical success in partial dentures |
| 26 | Introduction of crown types (Veneer crowns, partial crowns)  General indication of crown types |
| 27 | The general principles of tooth preparation  End Edge Forms |
| 28 | Application techniques of tooth preparation  Transferring of tooth preparation to the model via impression material |
| 29 | Transferring of tooth preparation to the model via impression material |
| 30 | Problems and solutions occurring in fixed prosthesis |

**PROGRAM OUTCOMES**

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Ability to understanding and learn the basic concepts of dentistry | **X** |  |  |
| 2 | By learning about the basic materials used in making dental prostheses, especially to take advantage of them and to get them the ability to process | **X** |  |  |
| 3 | The ability of the carry them to knowledge in the general morphological features of the construction of prosthetic teeth's. | **X** |  |  |
| 4 | Skills of the effective use of prosthetic material and equipment in prostheses laboratory | **X** |  |  |
| 5 | The concept of the framework for the profession of dentistry, rights, powers and responsibilities |  | **X** |  |
| 6 | The ability of individual exercise, inter and multi disciplinary team-work | **X** |  |  |
| 7 | The ability of the effective use speak and written in Turkish communicate and in skills of the body language of the professional practices |  | **X** |  |
| 8 | Recognition of the need for lifelong learning, access to information, monitoring and continuous self-renewal ability in science and technology developments | **X** |  |  |
| 9 | Professional and ethical responsibility |  | **X** |  |
| 10 | The effect of dental applications on the global and social environment; about of the national international lawful regulations and standardizations knowledge |  | **X** |  |
| **1**:no contribution. **2**: partially contribution Var. **3**:full contribution. | | | | |

**ESOGÜ**  **Faculty of DentIstry COURSE INFORMATION FORM**

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| **CLASS** | 2 |

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| **COURSE CODE** | 161114009 | **COURSE NAME** | Dental Materials |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | **COURSE OF** | | | | |
| **Theory** | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | **LANGUAGE** |
| Fall-Spring | 2 + 2 | 0 | 0 | | 4 | | 4 | COMPULSORY (X ) ELECTIVE ( ) | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | |
| **Basic Science** | | **Basic Medical Science** | | | | **Clinical Science** | | **Social Science** | |
|  | |  | | | | X | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | |
| **TERM** | | | | **Evaluation Type** | | | | **Quantity** | **%** |
| 1st Mid-Term | | | | 1 | 25 |
| 2nd Mid-Term | | | | 1 | 25 |
| Quiz | | | |  |  |
| Homework | | | |  |  |
| Project | | | |  |  |
| Report | | | |  |  |
| Others (………) | | | |  |  |
| **FINAL EXAM** | | | |  | | | | 1 | 50 |
| **PREREQUIEITE(S)** | | | | None | | | | | |
| **COURSE DESCRIPTION** | | | | Physical and chemical properties of dental materials including the application and manipulation of the various materials used in dentistry. | | | | | |
| **COURSE OBJECTIVES** | | | | To enable the student to use dental materials in accordance with their properties | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | Add ability to elect and use dental materials in accordance with their properties | | | | | |
| **COURSE OUTCOMES** | | | | 1. Identify the materials commonly used in dentistry for restorative and lab procedures. 2. Demonstrate safe and appropriate handling of these materials and instruments. 3. Recognize the clinical appearance or intraoral presence of restorative materials. 4. Begin to understand the reasoning of a Dentist in choosing different materials and instruments. 5. Feel comfortable in answering basic questions from patients concerning dental materials. | | | | | |
| **TEXTBOOK** | | | | Diş Hekimliği Maddeler Bilgisi Yedinci Baskı– John F. McCabe – Çeviren : Prof. Dr. Emine Nayır | | | | | |
| **OTHER REFERENCES** | | | | O’Brien, W J. *Dental Materials and Their Selection.* Dental materials and their selection. Quintessence publishing Chicago, 1997.  Craig's Restorative Dental Materials. Philadelphia, PA: Elsevier/Mosby, 2012. | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | none | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction to Dental Materials |
| 2 | Basic properties of materials |
| 3 | Physical properties of dental materials |
| 4 | Chemical properties of dental materials |
| 5 | Mechanical properties of dental materials |
| 6 | Adhesion |
| 7 | Adhesion |
| 8 | Adhesion |
| 9 | **MID-TERM EXAM** |
| 10 | MID-TERM EXAM |
| 11 | Polymers and polymerization |
| 12 | Polymers and polymerization |
| 13 | Polymers and polymerization |
| 14 | Dental Cements |
| 15 | Dental Cements |
| 16 | End Term Exam |
| 17 | Introduction to Dental Materials |
| 18 | Basic properties of materials |
| 19 | Physical properties of dental materials |
| 20 | Chemical properties of dental materials |
| 21 | Acrylic Resins |
| 22 | Plasters |
| 23 | Revetments- Casting |
| 24 | **holiday** |
| 25 | **MID-TERM EXAM** Adhesion |
| 26 | **MID-TERM EXAM** |
| 27 | Tissue Conditioners, Soft lining materials |
| 28 | Dental Ceramics |
| 29 | Dental Ceramics |
| 30 | Impression materials |
| 31 | Polymers and Polymerization |
| 32 | Metal Alloys Used in Endodontics |
| 33 | Root Fillers and Contents Used in Endodontics |

**PROGRAM OUTCOMES**

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. |  | **X** |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  | **X** |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **X** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  |  | **X** |
| 7 | Consciousness of professional and ethic responsibility |  |  | **X** |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

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**ESOGÜ**  **Faculty of DentIstry COURSE INFORMATION FORM**

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| **CLASS** | 2 |

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| **COURSE CODE** | 161114010 | **COURSE NAME** | Professional English |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall + Spring | 2 | 0 | | 0 | | 4 | | 4 | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH/ENGLISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | |  | | | | x | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | **%** |
| 1st Mid-Term | | | | | 1 | | 25 |
| 2nd Mid-Term | | | | | 1 | | 25 |
| Quiz | | | | | - | | - |
| Homework | | | | | - | | - |
| Project | | | | | - | | - |
| Report | | | | | - | | - |
| Others (………) | | | | | - | | - |
| **FINAL EXAM** | | | | |  | | | | | 1 | | 50 |
| **PREREQUISITE(S)** | | | | | English language skills at A2 level (CEFR) | | | | | | | |
| **COURSE DESCRIPTION** | | | | | An interactive course with active participation of students teaching to use English in dental practice | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The main objectives are to gain or refresh basic language skills in English so they can use English in their studies and future professional practices.. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUCATION** | | | | | Students will be able to work in an international environment | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students will be able to review the literature and propose questions and a research project that might move the field forward.  Students will be able to communicate orally and in written forms with foreign patients/ colleagues, in appropriate ways about dental issues | | | | | | | |
| **TEXTBOOK** | | | | | Materials will be delivered to students via emails before the lessons | | | | | | | |
| **OTHER REFERENCES** | | | | | Glendinning, Eric H.& Howard, Ron (2007). Cambridge University Press  Dofka, Charline M. (2013). Dental Terminology, 3rd Edition. Delmar Cengage Learning  English for Faculty of Dentistry Students Course Notes by the instructor | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | * Computer, * Projection * Loudspeakers * Board, Boardmarkers, Board eraser | | | | | | | |

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| **COURSE SYLLABUS - FALL TERM** | |
| **WEEK** | **TOPICS** |
| 1 | Overview of dentistry and dental specialties |
| 2 | Health and illness |
| 3 | Human body, its parts and functions of organs |
| 4 |  |
| 5 | Systems of the body, ilnesses and symptoms |
| 6 | Blood, bones, endocrine system, nervous System |
| 7 | Word formation in medical words - Prefix, Root, suffix |
| 8 | Word formation in medical words - Prefix, Root, suffix |
| 9 | Dental Anatomy, dental structure, parts of a tooth and names of teeth |
| 10 | MIDTERM EXAMS |
| 11 | MIDTERM EXAMS |
| 12 | Endodontics |
| 13 | Orthodontics |
| 14 | Periodontics |
| 15 | Prosthodontics |
| 16 | Dental Professions, Dental Equipments and Materials |
| 17 | Communication with patients, taking patient's history |

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| **COURSE SYLLABUS - SPRING TERM** | |
| **WEEK** | **TOPICS** |
| 1 | Terminology and Armamentarium of Prosthodonti – Dr. Öğr. Üyesi Ahmet Çalışkan |
| 2 | Terminology and Armamentarium of Oral Diagnosis - Asst. Prof. Dr. Elif Bilgir |
| 3 | Terminology and Armamentarium of Oral Radiology - Asst. Prof. Dr. Elif Bilgir |
| 4 | Terminology and Armamentarium of Periodontology - Asst. Prof. Dr. Başak Kuşakçı Şeker |
| 5 | Terminology and Armamentarium of Periodontology - Asst. Prof. Dr. Başak Kuşakçı Şeker |
| 6 | Terminology and Armamentarium of Restorative Dentistry - Assoc. Prof. Dr. Batucan Yaman |
| 7 | Terminology and Armamentarium of Restorative Dentistry - Assoc. Prof. Dr. Batucan Yaman |
| 8 | Terminology and Armamentarium of Oral and Maxillofacial Surgery – Assoc. Prof. Dr. Nesrin Saruhan |
| 9 | Terminology and Armamentarium of Oral and Maxillofacial Surgery - Assoc. Prof. Dr. Nesrin Saruhan |
| 10 | MIDTERM EXAMS |
| 11 | MIDTERM EXAMS |
| 12 |  |
| 13 | Terminology and Armamentarium of Endodontics - Assoc. Prof. Dr. Ekim Onur Orhan |
| 14 | Terminology and Armamentarium of Endodontics - Assoc. Prof. Dr. Ekim Onur Orhan |
| 15 | Terminology and Armamentarium of Pediatric Dentistry - Asst. Prof. Dr. Seçil Çalışkan |
| 16 | Terminology and Armamentarium of Pediatric Dentistry - Asst. Prof. Dr. Seçil Çalışkan |
| 17 | Terminology and Armamentarium of Orthodontic - Asst. Prof. Dr. Mehmet Uğurlu |

**PROGRAM OUTCOMES**

|  |  |  |  |  |
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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | apply knowledge of dentistry to practice | **x** |  |  |
| 2 | gain the ability of studying in different socities | **x** |  |  |
| 3 | get a recognition of the need for multicultural cooperation | **x** |  |  |
| 4 | get the ability of making a scientific research | **x** |  |  |
| **1**:no contribution. **2**: partially contribution Var. **3**:full contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 2 |

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| **COURSE CODE** | 161114012 | **COURSE NAME** | ORAL DIAGNOSIS |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Spring | 2 | - | | - | | 1 | | 2 | COMPULSORY (x) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
| - | | | - | | | | X | | | | - | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 20 | |
| 2nd Mid-Term | | | | | 1 | 30 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | Have to be successful in first class | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Common findings of oral mucosa, Extra-oral examination, Dental radiographic examination | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is to teach normal structure and abnormal situation of oral mucosa, issues to be considered on extra-oral examination and interpret the examination and radiographic findings. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Preclinicaly, the student learns to normal structure of oral mucosa, and can be distinguish abnormal situation. He/She learns evaluation of the extra-oral examination findings. He/She has knowledge about radiographic assestment. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Be able to realize intraoral mucosal changing  Be able to distinguish normal and abnormal situation of oral mucosa  Be able to learn issues to be considered on extra-oral examination.  Be able to evaluate anatomic structure on radiography  Be able to distinguish anomaly on radiography | | | | | | | |
| **TEXTBOOK** | | | | | 1-Bilge OM, Akgül HM, Dağıstan S. Diş Hekimliğinde Muayene ve Oral Diagnoz, Atatürk Üniversitesi Yayınları, Eser Ofset, 1. Baskı, Erzurum 2012.  2- Abubekir Harorlı (ed). Ağız, Diş ve Çene Radyolojisi, Nobel Tıp Kitabevi, İstanbul 2014.  3-Gawkrodger DJ(ed). Human Disease for Dentists, Blackwell Munksgaard, 2004 | | | | | | | |
| **OTHER REFERENCES** | | | | | 4-White SC, Pharoah MJ. Oral Radiology Principles and Interpretation, Mosby Elsevier, 6th ed., 2009.  5- Bricker SL, Langlais RP, Miller CS. Oral Diagnosis, Oral Medicine and Treatment Planning, Lea & Febiger, 2nd ed., USA 1994.  6- Whaites E. Essentials of Dental Radiography and Radiology, Churchill Livingstone Elsevier, 4th ed., 2007.  7- Scully C. Oral and Maxillofacial Medicine The Basis of Diagnosis and Treatment, Churchill Livingstone Elsevier, 2nd ed., China 2008.  8- Scully C. Medical Problems in Dentistry, Churchill Livingstone Elsevier, 6th ed., China 2010.  9- Current articles | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Yazı Tahtası, Bilgisayar Ekipmanı | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Quality Assurance and Infection Control in Radiology |
| 2 | Oral Diagnosis Mean? Explanation of Terms Such as Diagnosis, Findings, Symptoms Patient-Physician Communication |
| 3 | Anamnesis Social, emotional and family anamnesis Medical anamnesis Anamnesis Questions Dental Anamnesis Anamnesis card |
| 4 | Diagnostic Process and Sequence and Consultation |
| 5 | Examination techniques and patient examination |
| 6 | Intraoral Examination I (Teeth and Supporting Tissues) |
| 7 | Intraoral Examination II (Common Findings Gingival and Dental Regions) |
| 8 | Intraoral Examination III (Tongue, Lips, Buccal Mucosa Floor of the Mouth, Pharynx, Palatina) |
| 9 | Extra-oral examination-I (Examination of the overall body movement including appearance, posture, walking, talking and evaluation of the findings) |
| 10-11 | **MIDTERM EXAMİNATION** |
| 12 | Extra-oral examination-II (Examination of the general findings including face shape, skin, hands, feet, fingers, nail and evaluation of the findings) |
| 13 | Extra-oral examination-III (Examination of the eyes, ears, nose,) |
| 14 | Extra-oral examination-IV(Salivary glands) |
| 15 | Extra-oral examination-V (Examination of the masticatory muscle) |
| 16 | Extra-oral examination-V (TMJ and evaluation of the common findings |
| 17 | Extra-oral examination-VI (Evaluation of neck and evaluation of the findings)  Extra-oral examination-VII (Paranasal sinuses) |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ**  **Faculty of Dentistry**

**COURSE INFORMATION FORM**

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| **CLASS** | 2 |

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| **COURSE CODE** | 161113002 | **COURSE NAME** | Biochemistry of the Mouth |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | | **Credit** | **ECTS** | **TYPE** | | **LANGUAGE** |
| Autumn | 1 | |  | 1 | | |  |  | COMPULSORY (x ) ELECTIVE ( ) | | English |
| **COURSE CATAGORY** | | | | | | | | | | | |
| **Basic Science** | | **Basic Medical Science** | | | | **Medical Biochemistry** | | | | | **Medical Science** |
|  | | X | | | |  | | | | |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** |
| 1st Mid-Term | | | | | 1 | 50 |
| 2nd Mid-Term | | | | |  |  |
| Quiz | | | | |  |  |
| Homework | | | | |  |  |
| Project | | | | |  |  |
| Report | | | | |  |  |
| Others (………) | | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | |
| **COURSE DESCRIPTION** | | | | | In this course, coagulation casvade, liver function tests, extracellular matrix synthesis, kidney function tests, acid-base state, bone and mineral structure of the tooth enamel crystal structure of the salivary biochemistry, structure and gums, biochemistry of dental plaque and calculus, biochemistry of cavities, biochemistry of fluorine metabolism, and other minerals involved in the structure of enamel, biochemistry of bad breath and mouth on mount cancers and the biochemical tumor markers are provide information | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is to contribute to the understanding of the molecular level issues related to the biochemistry of the mouth. | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Will contribute to the professional training of dentists, oral biochemistry to know | | | | | | |
| **COURSE OUTCOMES** | | | | | To understant , Anorganic Mineral structure of the tooth, gums, dental caries, calculus, biochemical fundamentals of salivary formation | | | | | | |
| **TEXTBOOK** | | | | | Lecture notes | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Levine M.Topics of Dental Biochemistry.Springer.com,2011 2. Yılmaz T. Ağız ve Diş Biyokimyası. Ankara Üniversitesi Basımevi, Ankara 2012 | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Laboratory equipment and supplies | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Coagulation cascade |
| 2 | Liver function tests |
| 3 | Extracellular Matrix biochemistry |
| 4 | Kidney function tests |
| 5 | Acid-base status |
| 6 | Inorganic structure of bone and tooth |
| 7 | The crystal structure of enamel |
| 8 | Midterm |
| 9 | Biochemistry of dental plaque and calculus |
| 10 | Biochemistry of Salivary |
| 11 | Biochemistry of cavities, |
| 12 | Biochemistry of flour metabolism |
| 13 | Other minerals involved in the structure of enamel |
| 14 | Biochemistry of bad breath |
| 15 | Mount cancers and tumour markers |
| 16 | Final exam |

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| **OUTCOMES OF THE COURSE** | | | | |
| **S/N** | **EXPLANATION** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. |  | X |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  | X |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | X |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | X |  |  |
| c | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | X |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | X |  |  |
| 7 | Consciousness of professional and ethic responsibility | X |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | X |  |  |
| **1:** None **2:** Partially contribution **3:**Completeley contribution | | | | |

**ESOGU FACULTY of DentIstry**

**COURSE INFORMATION FORM**

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| **CLASS** | 2 |

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| **COURSE CODE** | 161114001 | **COURSE NAME** | ORAL MICROBIOLOGY |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | | |
| **Theory** | | **Practice** | **Labratory** | | | **Credit** | **ECTS** | **TYPE** | | **LANGUAGE** | |
| Spring  4 | 1 | | 1 | 0 | | | 1,5 | 2 | COMPULSORY (X ) ELECTIVE ( ) | | Turkish | |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Vocational Courses** | | **Basic Field Courses** | | | | **Social Courses** | | | | | | **Supportive Courses** |
| X | |  | | | |  | | | | | |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | **%** |
| 1st Mid-Term | | | | | 1 | | 50 |
| 2nd Mid-Term | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Others (………) | | | | |  | |  |
| **FINAL EXAM** | | | | |  | | | | | 1 | | 50 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Microorganisms that are present in the mouth and that can cause diseases in the mouth, immunological responses given in the mouth, sterilization, disinfection and hygiene rules in dental clinics are taught. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To teach the oral microbiological subjects which will be used in dentistry | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | To learn the microorganisms present in the mouth and to know the oral responses given. To learn the hygiene rules that should be considered in a dental clinic. | | | | | | | |
| **COURSE OUTCOMES** | | | | | 1. To learn the microorganism that are normally found in mouth  2. To learn the bacteria that can cause diseases in mouth  3. To learn the viral agents that can cause diseases in mouth  4. To learn fungal infections that can be seen in mouth  5. To learn the methods used in microbiological examination of mouth  6. To learn the sterilization, disinfection and hygiene rules that should be considered in dental clinics and to apply them. | | | | | | | |
| **TEXTBOOK** | | | | | Ağız Mikrobiyolojisi. Murat Aydın, Aydın Mısırlıgil. MN Medikal & Nobel Ankara, 2012. | | | | | | | |
| **OTHER REFERENCES** | | | | | Enfeksiyon Hastalıkları ve Mikrobiyolojisi. Ayşe Wıllke Topçu, Güner Söyletir, Mehmet Doğanay. Nobel Tıp Kitabevi. 2017.  Oral Microbiology and Immunology. Lamont RJ, Hajishengallis GN, Jenkinson HF. ASM Press, Washington, DC, 2014.  Medical Microbiology (Tıbbi Mikrobiyoloji). Patrick R. Murray, Ken S. Rosenthal, Michael A. Pfaller. (Çeviri Editörleri: A. Dürdal US, Ahmet Başustaoğlu). Güneş Tıp Kitabevi, 2016. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Barcovision-power point presentation  Medical Microbiology Laboratory | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| **1** | Microbiologic examination of the mouth – Material collection, culture |
| **2** | Infection control in dentistry, The first measures of blood contact |
| **3** | Disinfection in denture prosthesis laboratory, sterilization and disinfection in dentistry |
| **4** | Immunopathogenesis of periodontal diseases, immunological approach to oral disease |
| **5** | Prophylaxis of oral infections and antimicrobial treatment |
| **6** | **MID TERM EXAM** |
| 7 | Oral microbiota, relationship with systemic diseases |
| 8 | Endodontic microbiology, Periodontal microbiology |
| 9 | Microbiology of tooth decay, The relation between dental calculus and gastritis, –H.pylori |
| 10 | Contaminants of dental unit water systems |
| 11 | Bacterial infections of mouth, diagnosis and therapy |
| 12 | Fungal infections of mouth, diagnosis and therapy |
| 13 | Viral infections of mouth, diagnosis and therapy |
| 14 | Parasitic infections of mouth, diagnosis and therapy |
| 15 | **FINAL EXAM** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ**  **Faculty of DentIstry COURSE INFORMATION FORM**

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| **CLASS** | 2 |

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| **COURSE CODE** | 161114002 | **COURSE NAME** | Endodontics I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Spring | 2 | 0 | | 0 | | 2 | | 2 | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | x | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | **%** |
| 1st Mid-Term | | | | | 1 | | 40 |
| 2nd Mid-Term | | | | | - | | - |
| Quiz | | | | | - | | - |
| Homework | | | | | - | | - |
| Project | | | | | - | | - |
| Report | | | | | - | | - |
| Others (………) | | | | | - | | - |
| **FINAL EXAM** | | | | |  | | | | | 1 | | 60 |
| **PREREQUIEITE(S)** | | | | | To complete first grade successfully | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Introduction to endodontics, pulp and periapical tissue diseases, root canal anatomy | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is, before performing of root canal treatment, to make the dentistry student understand what root canal treatment is, why it is applied and root canal anatomy of teeth. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | At the end of this course, the students will learn the diagnosis of pulp and periapical tissue diseases, root canal anatomy of teeth theoretically and will be able to pass on practice. | | | | | | | |
| **COURSE OUTCOMES** | | | | | 1. The students have knowledge about history of endodontics, 2. The students have knowledge about the physiology, histology and pathology of pulp and periapical tissues. 3. The studens have knowledge about the anatomy of teeth of upper and lower jaw. 4. The students have knowledge about the preparation of root canal access cavity theoretically, 5. The students have knowledge about the devices which are using in endodontics, 6. The students have knowledge about decontamination, sterilization, disinfection and asepsis. | | | | | | | |
| **TEXTBOOK** | | | | | 1)Kenneth M. Hargreaves, Stephan Cohen, Cohen’s Pathways of the pulp, Tenth edition,2011 | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Mehmet Kemal Çalışkan, Endodontide Tanı ve Tedaviler, 2006 2. Tayfun Alaçam, Endodonti, 2012 3. Mahmoud Torabinejad Richad E Walton, Principles and Practice of Endodontics, Forth Edition, 2009 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | * Computer, * Slide machine * Board * Boardmarkers * Board eraser. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction to endodontics and history of endodontics |
| 2 | Pulp-dentin complex |
| 3 | Pulp-dentin complex |
| 4 | Physiology and histology of periapex |
| 5 | Pulp diseases |
| 6 | Pulp diseases |
| 7 | Pathology of periapex |
| 8 | Pathology of periapex |
| 9 | Root canal anatomy and Access cavities |
| 10 | Root canal anatomy and Access cavity of anterior teeth |
| 11 | Root canal anatomy and Access cavity of premolar teeth |
| 12 | Root canal anatomy and Access cavity of molar teeth |
| 13 | Instruments used in endodontics |
| 14 | Instruments used in endodontics |
| 15 | Sterilization and disinfection |

**PROGRAM OUTCOMES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | To have information about the history of endodontics | **x** |  |  |
| 2 | To have knowledge about physiology and histology of pulp-dentin complex | **x** |  |  |
| 3 | To have knowledge about physiology and histology of periapical tissues | **x** |  |  |
| 4 | To have knowledge about pulp diseases and their differential diagnosis | **x** |  |  |
| 5 | To have knowledge about periapical tissue diseases and their differential diagnosis | **x** |  |  |
| 6 | To have knowledge about root canal anatomy of anterior, premolar and posterior teeth | **x** |  |  |
| 7 | To have knowledge about access cavity preparation of anterior, premolar and posterior teeth | **x** |  |  |
| 8 | To have knowledge about the instruments that are using in endodontic practice | **x** |  |  |
| 9 | To have knowledge about providing decontamination, sterilization, disinfection and asepsis. | **x** |  |  |
| **1**:no contribution. **2**: partially contribution Var. **3**:full contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 3 |

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| **COURSE CODE** | 161116002 | **COURSE NAME** | DENTAL ANESTHESIA |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall/Spring | 1+1 | - | | - | | 2 | | 2 | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | | Final Exam | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | There is no recommended additional condition. | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Local anesthetic agents and local anesthesia techniques | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To give students the knowledge and skills to evaluate and manage the structural properties, effect mechanisms, application methods and complications of anesthetic drugs used in dental anesthesia. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | In the lesson of dental anesthesia, methods of applying local anesthetics, which are the basis of practical practice in dentistry, will be taught to students. | | | | | | | |
| **COURSE OUTCOMES** | | | | | All students will have the level of knowledge that they can apply to local anesthesia at the end of the lesson. | | | | | | | |
| **TEXTBOOK** | | | | | Ali Alp Sağlam, Dental Anestezi. Berkay Ofset Ltd.Şti, Ankara, 2005. | | | | | | | |
| **OTHER REFERENCES** | | | | | Handbook of Dental Anesthesia. Malamed. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | There is no equipment required for the lesson | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1-2 | Pain Physiology I |
| 3-4 | Pain Physiology II |
| 5-6 | Innervation of the teeth I |
| 7 | Innervation of the teeth II |
| **8** | **29 OCTOBER** |
| 9 | Armamentarium for Dental Anesthesia I |
| **10-11** | **MIDTERM EXAM WEEK** |
| 12-13 | Armamentarium for Dental Anesthesia I |
| 14-15 | Armamentarium for Dental Anesthesia II |
| 16-17 | Local Anesthetics and Pharmacology I |
| **18** | **FINAL EXAM WEEK** |
| 19-20 | Local Anesthetics and Pharmacology II |
| 21-22 | Vasoconstrictors and Pharmacology |
| 23-24 | Local Anesthesia Techniques I |
| 25-26 | Local Anesthesia Techniques II |
| 27 | Local Anesthesia Techniques III |
| **28-29** | **MIDTERM EXAM WEEK** |
| 30-31 | Local Anesthesia Techniques III |
| 32-33 | Local Anesthesia Techniques IV |
| 34-35 | Local Complications of Local Anesthesia |
| 36 | Systemic Complications of Local Anesthesia |
| **37-38** | **FINAL EXAM WEEK** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **X** |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 3 |

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| **COURSE CODE** | 161116003 | **COURSE NAME** | PHARMACOLOGY |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
|  | X |  | |  | |  | |  | COMPULSORY () ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | | X | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | | X | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Pharmacology is a basic medical science discipline with clinical projections which is defined as the ‘science of drugs’. The interest area of pharmacology is to study the interactions between drugs and biological systems as well as to develop suitable chemical substances to use for the diagnosis and treatment of diseases. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To give fundamental information on pharmacology with clinical projections to dentistry faculty students and educate them as conscious professionals in prescribing drugs. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Course gives essential information to dentistry faculty students to prescribe drugs and to manage the treatment of patients. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students know the interactions between drugs and humans and choose appropriate medicine for the patients | | | | | | | |
| **TEXTBOOK** | | | | | Prof. Dr. S. Oğuz KAYAALP, Medical Pharmacology in terms of Rational Treatment, Pelikan Yayıncılık, 2012. | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS Autumn semester** |
| 1 | Introduction to Pharmacology and General Principles |
| 2 | Drug Absorption and Administration Routes |
| 3 | Pharmaceutical forms of drugs and Drug distribution |
| 4 | Dug Biotransformation and Excretion |
| 5 | Mechanisms of action of drugs and Receptor concept |
| 6 | Adverse effects of drugs, Drug Interactions |
| 7 | Introduction to autonomic nervous system, Parasymphathomimetics and parasymphatholytics |
| 8 | Symphathomimetics and symphatholytics |
| 9 | Antihypertensive drugs |
| 10 | **MIDTERM EXAM WEEK** |
| 11 | **MIDTERM EXAM WEEK** |
| 12 | Antiarrhythmic drugs, drugs in cardiac insufficiency |
| 13 | Drugs in hyperlipidemia and bleeding/clotting deficiency treatment |
| 14 | Respiratory system drugs |
| 15 | Introduction to chemotherapeutics |
| 16 | Beta lactam antibiotics-1 (**Penicillins)** |
| 17 | Beta Lactam Antibiotics-2 (Cefalosponins and others) |
| 18 | **FINAL EXAM** |
| 19 |  |
| 20 |  |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS Spring semester** |
| 1 | Aminoglycosides, Macrolides, Quinolones |
| 2 | Antifungals and Antiviral drugs |
| 3 | Cancer chemotherapy |
| 4 | Antiseptic and Disinfectants |
| 5 | Autocoids and Antihistamines |
| 6 | Local Anesthetics |
| 7 | Preaesthetic Medication and General Anesthetics |
| 8 | Narcotic analgesics, Drug addiction |
| 9 | Nonsteroidal Anti-inflammatory Drugs |
| 10 | **MIDTERM EXAM WEEK** |
| 11 | **MIDTERM EXAM WEEK** |
| 12 | Antidepressant and Anxiolytic Drugs |
| 13 | Antiepileptic Drugs |
| 14 | Drugs Used in the Treatment of Parkinson's and Alzheimer's Diseases |
| 15 | Corticosteroids, Sex hormones and Oral Contraceptives |
| 16 | Digestive System Pharmacology, |
| 17 | Prescription information |
| 18 | Medicines affecting saliva and gums |
| 19 | **FINAL EXAM** |
| 20 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  | **X** |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **X** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **X** |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 3 |

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| **COURSE CODE** | 161116015 | **COURSE NAME** | ORTHODONTICS I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| FALL | 1 |  | |  | | 2 | | 3 | COMPULSORY (x) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | |  |  | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Prenatal and postnatal growth&development of head, face and jaws. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Aim of the course are to learn the history and definition of orthodontics, and to learn the growth&development of head, face and jaws in orthodontic perspectives. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | To define the abnormal growth&development in the head and face region according to normal growth&development. | | | | | | | |
| **COURSE OUTCOMES** | | | | | To know the concepts of growth&development and associate this concepts with orthodontics.  To know the prenatal and postnatal development of soft and hard tissues of head and face. | | | | | | | |
| **TEXTBOOK** | | | | | Enlow D.H., Hans M.G., Essentials of facial growth, W.B Saunders Company, 1996, USA. | | | | | | | |
| **OTHER REFERENCES** | | | | | Ülgen M. Anomaliler , sefalometri, etiyoloji, büyüme ve gelişim, tanı, Ankara Üniversitesi Diş Hekimliği Fakültesi Yayınları, 2005, Ankara. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, writing board, pointer. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Definition and history of orthodontics |
| 2 | Growth&development, organogenesis, morphogenesis |
| 3 | Prenatal development of head and face; formation of primitive mouth, upper face formation |
| 4 | Prenatal development of head and face; formation of primer ve seconder palate |
| 5 | Prenatal devolopment of hard tissues; endochondral and membranosus ossification |
| 6 | Prenatal devolopment of hard tissues; epiphyseal plate and cartilage, sutures, sinkondrozis and condylar cartilage |
| 7 | Basic principles of hard tissue growth; remodelling, relocation, V principle, functional matrix hypothesis |
| 8 | Prenatal development of skull base and vault |
| 9 | Prenatal development of maxilla |
| 10 | Prenatal development of mandible |
| 11 | Postnatal development of maxilla |
| 12 | Postnatal development of mandible |
| 13 | Development of dental system; primary dentition, mixed dentition, transition to permanent dentition. |
| 14 | Development of dental system; permanent dentition, teeth eruption sequence, physiological tooth movement and properties |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **x** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  | **x** |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **x** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **x** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  |  | **x** |
| 7 | Consciousness of professional and ethic responsibility |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 3 |

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| **COURSE CODE** | 161116005 | **COURSE NAME** | RESTORATIVE DENTISTRY II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall/Spring | 2 | 14 | |  | | 9 | | 9 | COMPULSORY () ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 10 | |
| 2nd Mid-Term | | | | | 1 | 10 | |
| Quiz | | | | |  |  | |
| Homework | | | | | 3 | 0 | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (Pratic Exam) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | |  | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Definition of tooth structures, caries formation and progression and methods of diagnosis, Introduction of adhesive restorotons and application methods | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The objective of this course is to teach about the caries formation and diagnosis of the carious lesions, caries activity tests, caries prophylaxis and treatments. Giving information about the application of adhesive restorotons | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Students who have successfully completed this course will diagnose the caries and have knowledge about hard tissue structural losses. Makes dentol adhesive restorotons applicotions | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students who have successfully completed this course will be able to learn caries process and diagnosis of the carious lesions then reach their full potential capacity to perform treatment to the patients. They perform dentol adhesive restorotions in the tooth tissu | | | | | | | |
| **TEXTBOOK** | | | | | Theodore Roberson, Harold O. Heymann, And Edward J. Swift `Sturdevant?s The Art And Science Of Operative Dentistry?, Mosby, V. Baskı, 2006. (Turkish) | | | | | | | |
| **OTHER REFERENCES** | | | | | Thylstrup ? Fejerskov , Textbook of Clinical Cariology 2. Kidd et al. , Pickard?s Manual of Operative Dentistry 3. Kidd- Joyston- Bechail , Essentials of Dental Caries 4. Gerald T. , Principles and Practice of Operative Dentistry 5. S.N. Bhaskar , Orban ` s Oral Histology and Embryology 6. Wilson et al. , Advances in Operative Dentistry 7. Roulet et al. , Advances in Operative Dentistry I and II 8. William J . O? Brien , Dental Materials and Their Selection 9.Baum , Philips and Lund , Textbook of Operative Dentistry 10. Marzouk et al. , Operative Dentistry , Modern Theory and Practice | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | -Interactive teaching supported by slides, observation, and practice | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 07.09.2020 | Preclinical and Phantom laboratory working principles |
| 14.09.2020 | Introduction of Dental Caries |
| 21.09.2020 | Etiology of Denatal Caries |
| 28.09.2020 | Physicochemical Properties of Dental Hard Tissues with Relationship Caries |
| 05.10.2020 | Cariogenic Bacterial Plaque-Microflora |
| 12.10.2020 | Metabolic Activities of Cariogenic Bacterial Plaque |
| 19.10.2020 | Enamel Caries |
| 26.10.2020 | Dentin Caries |
| 02.11.2020 | Cementum Caries |
| 09-20.11.2020 | Mid Term Exam |
| 09-20.11.2020 | Mid Term Exam |
| 23.11.2020  30.11.2020 | Identification of Dental Caries |
| 07.12.2020  14.12.2020  21.12.2020 | Classification of dental caries |
| 28.12.2020 | General Review |
| 16 | Cavity Principles of Dental Composite Resin |
| 17 | Inroduction to adhesion |
| 18-19 | Dental Bonding Agents |
| 20-21 | Dental curing unit |
| 22-23 | Dental resin composite |
| 24 | Finishing Systems of Dental Composite |
| 25 | Polishing Systems of Dental Composite |
| 26 | Isolation |
| 27 | Rubber Dam Applications |
| 28 | Instruction Principles of Chemo-mechanical Caries Remover Systems |
| 29 | Repair Principles of Composite Resin Restorations |
| 30-31 | General Review |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **x** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **x** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **x** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **x** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **x** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **x** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGU Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 3 |

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| **COURSE CODE** | 161116006 | **COURSE NAME** | Prosthodontics III |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | **ECTS** | | **TYPE** | | | **LANGUAGE** |
| SPRING | 2 | 7 | |  | | 11 | 11 | | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **CATEGORY OF COURSE** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | | **Clinical Science** | | | **Social Science** | |
|  | | |  | | | | | X | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | | **%** |
| 1st Mid-Term | | | | | 1 | | 25 |
| 2nd Mid-Term | | | | | 1 | | 25 |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Others (………) | | | | |  | |  |
| **FINAL EXAM** | | | | | Final Exam | | | | | 1 | | 50 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | **In Theory:** Different types of full and partial removable dentures, structural elements, construction techniques, dental preparation principles and fixed restorations, differences in preclinical measurement methods and clinical applications, articulate transfer of models, wax modeling, leveling, polishing, casting mistakes and reasons, acrylic jacquard construction techniques.  **In Practice:** Obtaining complete and partial denture models and articulate, tooth allignment for complete and partial removable dentures, modeling, repeating, leveling, polishing, kron-bridge preparation, die modeling preparation, bridge modeling, acrylic jacket kron, modeling, reproduction, panning, leveling and polishing. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Teaching physical properties of materials used in laboratories and manipulation of these materials. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Prepare the students clinically by applying the laboratory phase of clinical practice individually. To learn the purpose and use of necessary materials and laboratory instruments | | | | | | | |
| **COURSE OUTCOMES** | | | | | The basic tools and materials used in the laboratory stage in the construction of the prosthesis will be learned both theoretically and technically by means of manipulation.  This knowledge is the comprehension and the development and measurement of the handicrafts of dental students. | | | | | | | |
| **TEXTBOOK** | | | | | Ali Zaimoğlu, Gülşen Can. Sabit Protezler. 2. Baskı Ankara 2011.Mutahhar Ulusoy.Kevser Aydın. Diş Hekimliğinde Hareketli Bölümlü Protezler. 3. Baskı.Ankara 2010.Gülşen Can, Funda Akaltan.Hareketli Bölümlü Protezler.Planlama 3. Baskı. Ankara 2014.Senih Çalıkkocaoğlu. Tam Protezler. 4. Baskı. Ankara 2004. | | | | | | | |
| **OTHER REFERENCES** | | | | | Herbert T. Shillingburg, Sumiya Hobo, Lowell D. Whitsett. Fundamentals of fixed prosthodontics. Quintessence Pub. Co., 1981.Stephen F. Rosenstiel. Contemporary Fixed Prosthodontics. Elsevier Health Sciences, 2006.Herbert T. Shillingburg, Richard Jacobi (D.D.S.), Susan E. Brackett. Fundamentals of Tooth Preparation. Quintessence Publishing Company, 1987 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | THEORETICAL: Computer aided barcovision, writing board  PRACTICAL: Gas beak, coffin muffle, large muffle, acrylic jaw, rubber jaw molds, hydraulic press, gypsum engine, gypsum vibrator, polishing motor, laboratory micromotor, marketplace, anglular, abundant, abundant spoon, gypsum knife, spatula, muffle, brit , crochet pliers. | | | | | | | |

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| **2020-2021 EDUCATION PERIOD**  **WEEKLY PLAN OF PROSTHODONTICS III COURSE** | | |
| **WEEK** | **SUBJECT** | **LECTURER** |
| 06.10.2020 | Model analysis of partial dentures | Assoc. Prof. Canan AKAY |
| 13.10.2020 | Planning in partial dentures | Assoc. Prof. Canan AKAY |
| 20.10.2020 | Classification of holders in partial dentures | Assoc. Prof. Canan AKAY |
| 27.10.2020 | Mandibular major connector in removable partial prosthesis  (Major-Minör) | Assoc. Prof. Canan AKAY |
| 03.11.2020 | Maxillar major connector in removable partial prosthesis  (Major-Minör) | Assoc. Prof. Canan AKAY |
| 10.11.2020 | Clasps I | Assoc. Prof. Canan AKAY |
| 17.11.2020 | Clasps II | Assoc. Prof. Canan AKAY |
| 24.11.2020 | Biomechanical concepts in partial prosthesis | Assoc. Prof. Canan AKAY |
| 01.12.2020 | Impression techniques in partial prosthesis | Assoc. Prof. Canan AKAY |
|  | EXAM WEEK |  |
|  | EXAM WEEK |  |
| 22.12.2020 | Construction stages of partial removable dentures | Assoc. Prof. Canan AKAY |
| 29.12.2020 | Tooth selection in partial dentures | Assoc. Prof. Canan AKAY |
| 05.01.2020 | Occlusion in partial dentures | Assoc. Prof. Canan AKAY |
| 12.01.2020 | Post-prosthetic problems in partial dentures | Assoc. Prof. Canan AKAY |
| 19.01.2020 | Fixed partial bridge prosthesis indications | Assoc. Prof. Canan AKAY |
| 26.01.2020 | Tooth preparation principles | Assoc. Prof. Canan AKAY |
| 23.02.2020 | Evaluation of support teeth in fixed partial dentures | Assoc. Prof. Canan AKAY |
| 02.03.2020 | Introduction of bridge types in fixed partial denture restorations | Assoc. Prof. Canan AKAY |
| 09.03.2020 | Bridge pontic design, pontic-mucosa connection | Assoc. Prof. Canan AKAY |
| 16.03.2020 | Pontic construction techniques and connectors in fixed partial bridge prostheses | Assoc. Prof. Canan AKAY |
| 23.03.2020 | Biomechanical concepts in fixed partial prosthesis | Assoc. Prof. Canan AKAY |
| 30.03.2020 | Fixed partial temporary acrylic bridges | Assoc. Prof. Canan AKAY |
| 06.04.2020 | Provision of form and aesthetics in fixed partial crown bridge prosthesis | Assoc. Prof. Canan AKAY |
| 13.04.2020 | CAD / CAM applications in fixed prosthesis | Assoc. Prof. Canan AKAY |
| 20.04.2020 | CAD / CAM applications in fixed prosthesis | Assoc. Prof. Canan AKAY |
|  | EXAM WEEK |  |
|  | EXAM WEEK |  |
| 11.05.2020 | Impression tecnique in fixed prosthesis, direct and indirect impression methods I | Assoc. Prof. Canan AKAY |
| 18.05.2020 | Impression tecnique in fixed prosthesis, direct and indirect impression methods II | Assoc. Prof. Canan AKAY |
| 25.05.2020 | Tooth preperations in dental ceramics | Assoc. Prof. Canan AKAY |
| 01.06.2020 | Dental ceramics according to different criteria | Assoc. Prof. Canan AKAY |
| 08.06.2020 | Color selection in dental ceramics | Assoc. Prof. Canan AKAY |
| 15.06.2020 | Cementation procedures in dental ceramics | Assoc. Prof. Canan AKAY |
| In the course Lecturers | Assoc. Prof. Canan AKAY | In the course Lecturers |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. |  | **X** |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  | **X** |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **X** |  |
| 7 | Consciousness of professional and ethic responsibility |  |  | **X** |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| 1:None. 2:Partially contribution. 3: Completely contribution. | | | | |

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**Course Information Form**

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| **CLASS** | **3** |

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| **COURSE CODE** | 161116007 | **COURSE NAME** | **Oral Diagnosis and Radiology** |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **FALL** | 2 | - | | - | | **2** | | **3** | COMPULSORY (**X** ) ELECTIVE ( ) | | | **Turkish** |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | **20** | |
| 2nd Mid-Term | | | | | 1 | **30** | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | **50** | |
| **PREREQUIEITE(S)** | | | | | The student must be successful in second year lessons. | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Radiology and treatment planning | | | | | | | |
| **COURSE OBJECTIVES** | | | | | It is aimed to give current and valid knowledge to students about radiology and treatment planning. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The student comprehends his role on the usage of equipments and the application of techniques with individual realization. He takes on his individual responsibility as a practitioner on the best way and applies most suitable techniques to patient. And completes the treatment planning accurately. | | | | | | | |
| **COURSE OUTCOMES** | | | | | The student can list the concepts related to radiology and summarize them. He can run the rontgen machines accurately.  He can know and select the appropriate technique according to case. He can comment the image from technical aspect. He can determine the technical errors. He can show the anatomical landmarks in an ideal image. | | | | | | | |
| **TEXTBOOK** | | | | | 1-Bricker LS, Langlais RP, Miller CS. Oral Diagnosis, Oral Medicine and Treatment Planning, Lea & Febiger, USA, 1994.  2-Özcan İ (ed). Sistemik Yaklaşımlarıyla Oral Diagnoz, Nobel Tıp Kitabevleri, İstanbul, 2007.  3-White SC, Pharoah MJ. Oral Radiology Principles and Interpretation, Mosby Elsevier, St.Louis, Missouri, 6th ed. (Int. ed.), 2009.  4-Harorlı A, Akgül HM, Dağistan S. Dişhekimliği Radyolojisi, Atatürk Üniversitesi Yayınları, 1.Baskı, Erzurum, 2006.  5-Whaites E. Essentials of Dental Radiography and Radiology, Elsevier, Spain, 4th ed, 2007. | | | | | | | |
| **OTHER REFERENCES** | | | | | 1-Bilge OM, Akgül HM, Dağıstan S. Diş Hekimliğinde Muayene ve Oral Diagnoz, Atatürk Üniversitesi Yayınları, Eser Ofset, 1. Baskı, Erzurum, 2012.  2-Baker EW(Ed.). Head and Neck Anatomy, Thieme Medical Publishers, New York, 2010.  3-Scientific current articles. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | The equipments for computer supported education,  Whiteboard | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| **1st Week** | Radiographic Anatomy |
| **2nd**  **Week** | Introduction to diagnostic radiology The principles of radiographic interpretation |
| **3rd Week** | Caries radiology, The radiographic interpretation of periapical and periodontal status |
| **4th**  **Week** | **HOLIDAY** |
| **5th**  **Week** | Radiologic assessment of inflammatory lesions of the jaws |
| **6th**  **Week** | Radiologic assessment of cysts and cyst-like lesions of the jaws |
| **7th**  **Week** | Radiologic assessment of cysts and cyst-like lesions of the jaws |
| **8th**  **Week** | Radiologic assessment of benign tumours |
| **9 th**  **Week** | Radiologic assessment of malign tumours |
| **10-11 th**  **Week** | **Mid-term examinations** |
| **12th**  **Week** | Radiologic assessment of the diseases of bones manifested in the jaws |
| **13th**  **Week** | Radiologic assessment of the diseases of bones manifested in the jaws |
| **14th**  **Week** | Systemic Disease Findings Affecting the Jaws and Radiological Evaluation |
| **15th**  **Week** | Paranasal sinus radiology |
| **16th**  **Week** | Temporomandibular joint radiology |
| **17th**  **Week** | Salivary gland radiology |
| **18th**  **Week** | Final examinations |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

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**Course Information Form**

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| **CLASS** | 3 |

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| **COURSE CODE** | 161116016 | **COURSE NAME** | Oral and Maxillofacial Surgery I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall/ Spring | 2+2 | - | | - | | 4 | | 5 | COMPULSORY (x) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | | Final Exam | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | There is no recommended additional condition. | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The basic concepts and techniques in Oral and Maxillofacial Surgery will be explained theoretically. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Be able to create a surgical point of view to the jaw and surrounding tissues. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The students will be taught how to solve the problems and the theoretical infrastructure will be provided in professional practice in Oral and Maxillofacial Surgery course. | | | | | | | |
| **COURSE OUTCOMES** | | | | | All students will have the level of theoretical knowledge that may be necessary to apply tooth extraction at the end of the course. | | | | | | | |
| **TEXTBOOK** | | | | | Mustafa Türker, Şule Yücetaş. Ağız, Diş, Çene Hastalıkları ve Cerrahisi. Atlas Kitapçılık Tic.Ltd.Şti. 2. Baskı, Ankara, 1999. | | | | | | | |
| **OTHER REFERENCES** | | | | | Murat Bilge, Murat Akgül, Saadettin Dağistan. Diş Hekimliğinde Muayene ve Oral Diagnoz. Atatürk Üniversitesi Yayınları, No:1004, Erzurum, 2012. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Laptop and projection machine. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Introduction to Oral and Maxillofacial Surgery |
| 2 | Systemic Diseases |
| 3 | Systemic Diseases |
| 4 | Systemic Diseases |
| 5 | Systemic Diseases |
| 6 | Patient Evaluation And Examination Methods |
| 7 | Patient Evaluation And Examination Methods |
| 8 | Laboratory Tests And Radiological Examination |
| 9 | Asepsis And Antisepsis |
| 10 | **MIDTERM EXAM WEEK** |
| 11 | **MIDTERM EXAM WEEK** |
| 12 | Sterilization And Disinfection |
| 13 | Trauma And Wound Healing |
| 14 | Trauma And Wound Healing |
| 15 | Instruments Used in Surgery |
| 16 | Instruments Used in Surgery |
| 17 | Basic Surgical Principles |
| 18 | **Final EXAM WEEK** |
| 19 | Incisions And Flap Techniques |
| 20 | Incisions And Flap Techniques |
| 21 | Incisions And Flap Techniques |
| 22 | Suture Materials And Techniques |
| 23 | Suture Materials And Techniques |
| 24 | Tooth Extraction |
| 25 | Tooth Extraction |
| 26 | Tooth Extraction |
| 27 | Complications of Tooth Extraction |
| 28 | **MIDTERM EXAM WEEK** |
| 29 | **MIDTERM EXAM WEEK** |
| 30 | Hemorrhage |
| 31 | Hemorrhage |
| 32 | Hemorrhage |
| 33 | Complications of Tooth Extraction |
| 34 | Complications of Tooth Extraction |
| 35 | Complications of Tooth Extraction |
| 36 | Complications of Tooth Extraction |
| **37** | **FINAL EXAM** |
| **38** | **FINAL EXAM** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with Oral and Maxillofacial surgery; an ability to apply theoretical and practical knowledge on solving and modeling of oral surgical problems. | **x** |  |  |
| 2 | Ability to determine, define, formulate and solve surgical problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **x** |  |  |
| 3 | In order to investigate surgical problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **x** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **x** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **x** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **x** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

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**Course Information Form**

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| **CLASS** | 3 |

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| **COURSE CODE** | 161116017 | **COURSE NAME** | PERIODONTOLGY I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
|  | 4 | - | | - | | 4 | | 4 | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | x | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | NONE | | | | | | | |
| **COURSE DESCRIPTION** | | | | | To teach nonsurgery periodontal treatment method, medication in the periodontal treatment, clinical and radiologic diagnosis, periodontal treatment of medically compromised patients, hormones and periodontal health (Periodontal therapy in the female patient), the reason of halitosis and treatment option, periodontal disease in children, geriatric dentistry and treatment method, periodontal therapy in patients with HIV infection, general principles of periodontal surgery and for surgery decision making process,gingivectomy and gingivoplasty operations, the periodontal flap, supportive periodontal treatment, the suture technique and periodontal pat, bone defects and resective bone surgery, bone grafts, furcation defects and treatment.,regeneration, guided tissue regeneration, wound healing after periodontal treatment,mukogingival surgery I, mukogingival surgery II, Prothesis-Periodontic Relations, Orthodontic-Periodontic Relations, Endodontic- Periodontic relations, periodontal splints, periodontal approaches in implant surgery, characteristic of periimplant tissue and osseointegration, treatment alternative in periimplantitis. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Nonsurgery periodontal treatment method, Medication in the periodontal treatment, Clinical and radiologic diagnosis, Periodontal treatment of medically compromised patients, Hormones and periodontal health (Periodontal therapy in the female patient), The reason of halitosis and treatment option, Periodontal disease in children, Geriatric dentistry and treatment method, Periodontal therapy in patients with HIV infection, General principles of periodontal surgery and for surgery decision making process,Gingivectomy and gingivoplasty operations,The periodontal flap, Supportive periodontal treatment, The suture technique and periodontal pat, Bone defects and resective bone surgery, Bone grafts, Furcation defects and treatment, Regeneration, Guided tissue regeneration, Wound healing after periodontal treatment, Mukogingival surgery I, Mukogingival surgery II, Prothesis-Periodontic Relations, Orthodontic-Periodontic Relations, Endodontic- Periodontic relations, Periodontal splints, Periodontal approaches in implant surgery, Characteristic of periimplant tissue and osseointegration, Treatment alternative in periimplantitis. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Understanding of various index systems of pre-clinical student and this information can be used in the diagnosis of periodontal diseases. Diagnosis of periodontal diseases can be done according to these methods, diagnosis methods and treatment plan. Classification of periodontal disease. Diagnosis and treatment of periodontal health and gingival diseases, periodontitis stages and degrees, learn the gingival enlargement and gingival recession | | | | | | | |
| **COURSE OUTCOMES** | | | | | * know the clinical diagnosis of periodontal diseases. * know phase I periodontal therapy. * know the medication in the periodontal treatment * know the periodontal treatment of medically compromised patients * know the reason of halitosis and treatment option * know the periodontal treatment of female patients. * know the periodontium change in the childhood and olderly * know the treatment of periodontitis. * know the suture technique and periodontal pat * know the periodontal splint and indication | | | | | | | |
| **TEXTBOOK** | | | | | * Newman MG., Takei HH., Klokkevold PR., Carranza FA., 2006; Carranza's Clinical Periodontology, Tenth edition, WB Saunders Company . * Lindhe J., Lang NP., Karring T., 2008; Clinical Periodontology and Implant Dentistry, 5th Edition. Wiley-Blackwell. * Rateischak KH, Wolf HF. Çeviri Editörü: Prof. Dr. Gürhan Çağlayan Çeviri: Yrd. Doç. Dr. Hasan Hatipoğlu. 2007, Periodontoloji, 3. baskı, Palme Yayıncılık Ankara. * Elsevier Saunders Co, Philedelphia, USA. Periodontoloji, Ataoğlu T, Gürsel M, 3.baskı, 1999, Damla Ofset AŞ. Konya, Türkiye. * Periodontoloji ve İmplantoloji I-II Editörü: Prof. Dr. Gürhan Çağlayan 1. baskı, Palme Yayıncılık, Ankara | | | | | | | |
| **OTHER REFERENCES** | | | | | * Periodontology 2000 * Journal of Periodontology * Journal of Clinical Periodontology * Journal of Periodontal Research | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Note, Slideshow | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Periodontal tissue I (gingiva, alveolar bone) |
| 2 | Periodontal tissue II (cementum, periodontal ligament) |
| 3 | Embriyology of periodontal tissue |
| 4 | Holiday |
| 5 | Periodontal tissue which changes of and the aging periodontium |
| 6 | Attachment on teeth. (materia alba, plaque, dental calculus) |
| 7 | Epidemiology of periodontal diseases and community periodontal indices |
| 8 | Risk factors for periodontal disease (local etiological factors, cigarette, genetic…) |
| 9 | Microbiology of periodontal diseases |
| 10 | EXAM |
| 11 | EXAM |
| 12 | Defense mechanisms of the gingiva and mouth (saliva and gingival crevicular fluid, epitelial turnover) |
| 13 | Immunity and inflammation. |
| 14 | Pathogenesis of periodontal diseases periodontal pocket |
| 15 | Bone loss and patterns of bone destruction |
| 16 | Enstruments used in periodontology |
| 17 | Periodontal instrumentation |
| 18 | EXAM |
| 1 | Classification of periodontal diseases |
| 2 | Periodontal health and Gingivitis |
| 3 | Periodontitis I |
| 4 | Periodontitis II |
| 5 | Effect of various immunodeficiency syndromes on the periodontium |
| 6 | Systemic disorders and periodontitis |
| 7 | Acute periodontal infections index |
| 8 | Oral hygiene education and total plaque control (disclosing agents, tooth brushing techniques, brush interface, toothpaste) |
| 9 | Disinfection and sterilization in dentistry |
| 10 | EXAM |
| 11 | EXAM |
| 12 | Holiday |
| 13 | Holiday |
| 14 | Occlusal trauma |
| 15 | Gingival enlargements and treatment options |
| 16 | Gingival recession and treatment options |
| 17 | Skin and oral mucosal diseases |
| 18 | EXAM |
| 19 | EXAM |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 3 |

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| **COURSE CODE** | 161116010 | **COURSE NAME** | Basic Pathology |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall and spring | x |  | |  | |  | |  | COMPULSORY (x) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
| x | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Investigation of the changes and function impairments that occur in cells, tissues and organs in case of disease | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Learning about disease mechanisms, examination of disorders affecting many tissues and organs, that induced by degenerative, hemodynamic, inflammatory mechanisms or neoplasms | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Understanding of developmental mechanisms of the disease, thus forming the basis for understanding of diseases | | | | | | | |
| **COURSE OUTCOMES** | | | | | Knows the pathogenesis of the diseases  Learns morphological changes in the tissues that induced by diseases and clinical findings of diseases | | | | | | | |
| **TEXTBOOK** | | | | | Robbins Temel Patoloji | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Cell injury (Dr. Deniz Arık) |
| 2 | Cell death and apoptosis (Dr. Deniz Arık) |
| 3 | Adaptation and intracellular accumulations, (Dr. Deniz Arık) |
| 4 | Edema, dehydration , Congestion, hemorrhage (Dr. Deniz Arık) |
| 5 | Thrombosis, embolism (Dr.Nazlı Sena Şeker) |
| 6 | Ischemia, infarction (Dr. Nazlı Sena Şeker) |
| 7 | Acute inflammation (Dr. Nazlı Sena Şeker) |
| 8 | Chronic inflamation and Repair ( Dr. Nazlı Sena Şeker) |
| 9 | Immunologic Diseases ( Dr. Nazlı Sena Şeker) |
| 10 | Definition and Classification of Neoplasms, Etiology and Pathogenesis ( Dr. Evrim Yılmaz) |
| 11 | Benign and malignant neoplasms, (Dr. Evrim Yılmaz) |
| 12 | Developmental anomalies of the oral cavity ( Dr. Dr. Nazlı Sena Şeker) |
| 13 | Infectious Diseases of the oral cavity ( Dr. Funda Canaz) |
| 14 | Infectious Diseases of the bones of jaw and teeth ( Dr. Funda Canaz) |
| 15 | Immun-mediated diseases of the oral cavity (Dr. Funda Canaz) |
| 16 | Cystic lesions of the oral cavity ( Dr. Funda Canaz) |
| 17 | Physical and chemical injuries of the oral cavity ( Dr. Emel Tekin) |
| 18 | Reactive lesions of the oral cavity (Dr. Evrim Yılmaz) |
| 19 | Pigmented lesions of the oral cavity , Benign epithelial lesions of the oral cavity (Dr. Evrim Yılmaz) |
| 20 | Malignant epithelial tumors and precursor lesions of the oral cavity (Dr. . Emel Tekin) |
| 21 | Odontogenic tumors ( Dr. Emel Tekin) |
| 22 | Oral soft tissue tumors ( Dr. Emel Tekin ) |
| 23 | Salivary gland diseases 1 ( Dr. Emel Tekin) |
| 24 | Salivary gland diseases 2 ( Dr Emel Tekin) |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. |  | **x** |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  | **x** |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  |  | **x** |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **x** |  |
| 7 | Consciousness of professional and ethic responsibility |  |  | **x** |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 3 |

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| **COURSE CODE** | 161116011 | **COURSE NAME** | PEDIATRIC DENTISTRY I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Spring | 1 |  | |  | | 2 | | 3 | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Psychologic development of children, clinical and radiographical examination in children, dental caries and prevention of dental caries. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course aims to get information about the approach to pediatric patients, the management of dental anxiety, the clinical and radiographical examinations, the dental caries among children, and prevention of dental caries and to gain the ability to diagnose and treatment. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The dental students knowledge about the management of dental anxiety as comprehend the psycological development of children, can perform the methods of caries prevention as knowledge about the clinical and radiographical examinations in children. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Be able to determine of differences of the approach to pediatric patients  Be able to perform the behaviour management methods  Be able to perform the clinical and radiographical examinations in children  Be able to describe of the caries formation and progression in children  Be able to list the methods of caries prevention  Be able to perform the methods of caries prevention  Be able to describe the oral hygiene habits, mechanical and chemical tooth cleaning in children  Be able to perform the oral hygiene habits, mechanical and chemical tooth cleaning in children | | | | | | | |
| **TEXTBOOK** | | | | | Tortop T, Tulunoğlu Ö. Çocuk Diş Hekimliği Bebeklikten Ergenliğe.4. baskı. Atlas kitapçılık; 2009.  Koch G, Poulsen S. Çocuk Dişhekimliğine Klinik yaklaşım. 2nd ed. Medya yayın grubu; 2009. | | | | | | | |
| **OTHER REFERENCES** | | | | | Thylstrup A, Fejerskov O. Textbook of Clinical Cariology. 2nd ed. Copenhagen, Munksgaard; 1994.  Laskaris G. Color Atlas of Oral Diseases in Children and Adolescents.Thieme; 2000.  Fejerskov O, Kidd E. Dental Caries: The Disease and Its Clinical Management. 2nd ed. Blackwell, Munksgaard; 2004.  Dean JA, Avery DR, Mc Donald RE. Dentistry for the Child and Adolescent. 9th ed. Mosby; 2010.  Welbury RR, Duggal MS, Hosey MT. Pediatric Dentistry. 4th ed. Oxford University Press; 2012. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | The equipments for computer supported education | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | PSYCHOLOGIC APPROACH of CHILD PATIENT and BEHAVIOUR MANAGEMENT METHODS |
| 2 | PSYCHOLOGIC APPROACH of CHILD PATIENT and BEHAVIOUR MANAGEMENT METHODS |
| 3 | CLINICAL EXAMINATION in PEDIATRIC DENTISTRY |
| 4 | CLINICAL EXAMINATION in PEDIATRIC DENTISTRY |
| 5 | RADIOGRAPHICAL EXAMINATION in PEDIATRIC DENTISTRY |
| 6 | DENTAL CARIES in CHILDREN  The Etiology and Diagnosis of Caries, Caries Risk Assessment |
| 7 | DENTAL CARIES in CHILDREN  The Etiology and Diagnosis of Caries, Caries Risk Assessment |
| 8 | DENTAL CARIES in CHILDREN  Early Childhood Caries |
| 9 | PREVENTIVE DENTISTRY  Dental Plaque Control, Mechanical and Chemical Tooth Cleaning |
| **10** | **MID-TERM EXAM** |
| **11** | **MID-TERM EXAM** |
| 12 | PREVENTIVE DENTISTRY  Dental Plaque Control, Mechanical and Chemical Tooth Cleaning |
| 13 | PREVENTIVE DENTISTRY  Dental Caries and Nutrition In Children |
| 14 | PREVENTIVE DENTISTRY  Fluoride in Pediatric Dentistry |
| 15 | PREVENTIVE DENTISTRY  Fluoride in Pediatric Dentistry |
| 16 | PREVENTIVE DENTISTRY  Fluoride in Pediatric Dentistry |
| 17 | PREVENTIVE DENTISTRY  Fluoride in Pediatric Dentistry |
| 18 | PREVENTIVE DENTISTRY  Fissure Sealant |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

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**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 3 |

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| **COURSE CODE** | 161116018 | **COURSE NAME** | First Aid and Emergency Service |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall/Spring | 1 |  | |  | | 2 | | 2 | COMPULSORY(X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | | X | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Basic knowledge and description, objectives of first aid, transportation of sick and wounded and first aid applications in common situations. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Teaching the basic knowledge about first aid to students and to acquire the basic skills of first aid to dentist candidates. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | |  | | | | | | | |
| **COURSE OUTCOMES** | | | | | To raise awareness of first aid and skills about first aid. | | | | | | | |
| **TEXTBOOK** | | | | | Eğitim Fakülteleri ve Sınıf Öğretmenleri için Sağlık ve Trafik Eğitimi, Şenşekerci E., Türkkan A. Ezgi Kitapevi Yayınları Bursa; 2003. | | | | | | | |
| **OTHER REFERENCES** | | | | | * Tüzün M., Taşkın E., Saraç L., Ünal F.g.: İlkyardım. ODTÜ Toplum ve Bilim Merkezi, Ankara; 2009. * İlkyardım İçişleri Bakanlığı, Sivil Savunma Genel Müdürlüğü, Ankara; 1992. * Trafik ve İlkyardım, Düzgün Yayıncılık, Ankara; 2008.   Tiryaki D. İlkyardım El Kitabı. Artı Sağlık Kalite Yayınları, İstanbul; 2007**.** | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Basic educational tools (Application in laboratory if possible). | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Description and courses of first aid. |
| 2 | Description and courses of first aid. |
| 3 | Transportation of sick and wounded. |
| 4 | External and internal bleeding. |
| 5 | First aid in bleeding. |
| 6 | First aid in burns. |
| 7 | First aid in freeze |
| 8 | First aid in fractures, dislocations and sprains. |
| 9 | First aid in fractures, dislocations and sprains. |
| 10 | First aid in head traumas. |
| 11 | First aid in intoxication. |
| 12 | First aid in intoxication. |
| 13 | Breathe and cardiac arrest |
| 14 | Cardiopulmoner resuscitation. |
| 15 | Cardiopulmoner resuscitation. |
| 16 | First aid in different situations |
| 17 | Discussion of examples |
| 18 | General evaluation. |
| 19 |  |
| 20 |  |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 3 |

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| **COURSE CODE** | 161116013 | **COURSE NAME** | ENDODONTI II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theoretical** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall | X | |  |  | |  | |  | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| Spring | X | |  |  | |  | |  | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Medical Science** | | | | | **Clinical Science** | | | | **Social Science** | |
|  | |  | | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 10 | |
| 2nd Mid-Term | | | | | 1 | 10 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (Scores of the preclinical works) | | | | | 1 | 40 | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 40 | |
| **PREREQUIEITE(S)** | | | | | To success in 2nd year compulsory courses | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Endodontics II Course is the second theoretical step among Endodontics classes. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To train dental students who can make treatment planning of endodontic diseases. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Endodontics II course includes the theoretical steps of treatment plan and their preclinical applications. | | | | | | | |
| **COURSE OUTCOMES** | | | | | The student who successfully completes this course can make diagnosis and treatment planning of endodontic diseases, know the treatment planning in endodontic disease, and gains skill or prerequisite before the next step of clinical applications | | | | | | | |
| **TEXTBOOK** | | | | | 1.Selmin Kaan Aşçı, Endodonti, 2014 | | | | | | | |
| **OTHER REFERENCES** | | | | | 1.Tayfun Alaçam, Endodonti, 2000  2.Mehmet Kemal Çalışkan, Endodontide Tanı ve Tedaviler, 2006  3.Stephen Cohen, Kenneth M Hargreaves, Pathways of the Pulp, Ninth Edition, 2009  4. Arnaldo Castellucci, Endodontics; 2005  5.Johnson William T. Color Atlas of Endodontics  6. Ingle Bakland Baumgartner, Ingle’s Endodontics, fifth edition, 2002 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | an updated equipment list is released before the mid-term. | | | | | | | |

**ESOGÜ**  **Faculty of DentIstry COURSE INFORMATION FORM**

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| **CLASS** | | 3 | |
| **COURSE CODE** | | | 161116001 | | | | **COURSE NAME** | | | | | | Ethics and Deontology | | | | | |
| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | | **COURSE OF** | | | | | | | | | | |
| **Theory** | **Practice** | | | **Laboratory** | | | **Credit** | | **ECTS** | **TYPE** | | | | | | **LANGUAGE** | |
| Spring | 1 | 0 | | | 0 | | | 1 | | 1 | COMPULSORY (X ) ELECTIVE ( ) | | | | | | TURKISH | |
| **COURSE CATAGORY** | | | | | | | | | | | | | | | | | | |
| **Basic Science** | | | | **Basic Medical Science** | | | | | **Clinical Science** | | | | | | **Social Science** | | | |
|  | | | | x | | | | |  | | | | | |  | | | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | | | | | | |
| **TERM** | | | | | | **Evaluation Type** | | | | | | **Quantity** | | | | | **%** | |
| 1st Mid-Term | | | | | | 1 | | | | | 50 | |
| 2nd Mid-Term | | | | | |  | | | | |  | |
| Quiz | | | | | |  | | | | |  | |
| Homework | | | | | |  | | | | |  | |
| Project | | | | | |  | | | | |  | |
| Report | | | | | |  | | | | |  | |
| Others (………) | | | | | |  | | | | |  | |
| **FINAL EXAM** | | | | | |  | | | | | | 1 | | | | | 50 | |
| **PREREQUIEITE(S)** | | | | | |  | | | | | | | | | | | | |
| **COURSE DESCRIPTION** | | | | | | To know ethical principles and ethical approaches i. To have knowledge on biomedical values that are specific to [dentistry](http://tureng.com/search/dentistry). To comprehend the ethical and legal responsibilities in dentistry and informed consent in. To analyze the cases indentistry from the ethical aspect. | | | | | | | | | | | | |
| **COURSE OBJECTIVES** | | | | | | To know ethical and legal responsibilities as well as the legislations specific to the field. To evaluate the problems specific to the dentistry from the ethical aspect and to propose solutions | | | | | | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | | To know ethics codes and deontological approaches in dental applications | | | | | | | | | | | | |
| **COURSE OUTCOMES** | | | | | | To know ethics codes and deontological , To analyze the cases in dentistry | | | | | | | | | | | | |
| **TEXTBOOK** | | | | | | 1. Bulut.G.:Diş hekiminin yasal sorumluluğu Ankara 2013.Adalet yayınevi 2. Hatırnaz Erol G.:Diş hekimlerinin hukuki sorumluluğu ve hasta hakları.2017.Ankara.Seçkin Yayıncılık. 3. Erdemir,Demirhan A.,Atıcı,E., Öncel, Ö.,Erer,S.:Diş hekimliğinde korku ve etik.İstabul 2008.Nobel Tıp Kitabevleri | | | | | | | | | | | | |
| **OTHER REFERENCES** | | | | | |  | | | | | | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | |  | | | | | | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Ethics as a field of philosophy of values |
| 2 | Ethics as a field of philosophy of values |
| 3 | Ethical principles and approaches |
| 4 | Ethics – deontology differentiation |
| 5 | Norms and occupational ethics |
| 6 | Ethical codes of dentistry |
| 7 | Ethical and legal responsibilities of dentists |
| 8 | Mid-term exam |
| 9 | Medical interventions and patient consent in dentistry |
| 10 | Patient consent |
| 11 | Rights and responsibilities of patients and dentists |
| 12 | Rights and responsibilities of patients |
| 13 | Ethical dilemmas and case solutions |
| 14 | National legislations related with oral health from ethics point of view |
| 15 | National legislations related with oral health from ethics point of view |
| 16 | Final exam |

**PROGRAM OUTCOMES**

|  |  |  |  |  |
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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Ability to understanding and learn the basic concepts of dentistry |  |  |  |
| 2 | By learning about the basic materials used in making dental prostheses, especially to take advantage of them and to get them the ability to process |  |  |  |
| 3 | The ability of the carry them to knowledge in the general morphological features of the construction of prosthetic teeth's. |  |  |  |
| 4 | Skills of the effective use of prosthetic material and equipment in prostheses laboratory |  |  |  |
| 5 | The concept of the framework for the profession of dentistry, rights, powers and responsibilities | **X** |  |  |
| 6 | The ability of individual exercise, inter and multi disciplinary team-work |  |  |  |
| 7 | The ability of the effective use speak and written in Turkish communicate and in skills of the body language of the professional practices |  |  |  |
| 8 | Recognition of the need for lifelong learning, access to information, monitoring and continuous self-renewal ability in science and technology developments |  |  |  |
| 9 | Professional and ethical responsibility | **X** |  |  |
| 10 | The effect of dental applications on the global and social environment; about of the national international lawful regulations and standardizations knowledge | **X** |  |  |
| **1**:no contribution. **2**: partially contribution Var. **3**:full contribution. | | | | |

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| **course syllabus** | |
| **week** | **topics** |
| 1 | working length determination |
| 2 | working length determination |
| 3 | root canal shaping |
| 4 | root canal shaping |
| 5 | root canal ırrigation-materials |
| 6 | root canal ırrigation-materials |
| 7 | root canal ırrigation-techniques |
| 8 | root canal ırrigation-techniques |
| 9 | ıntracanal medications |
| 10 | **mid-term exams** |
| 11 | **mid-term exams** |
| 12 | ıntracanal medications |
| 13 | root canal sealers |
| 14 | root canal sealers |
| 15 | root canal obturation techniques |
| 16 | root canal obturation techniques |
| 17 | **spring term** |
| 18 | rubber dam |
| 19 | rubber dam |
| 20 | temporary sealing |
| 21 | temporary sealing |
| 22 | local anesthetics |
| 23 | local anesthetics |
| 24 | diagnostic methods in endodontology |
| 25 | diagnostic methods in endodontology |
| 26 | antibiotics & endodontics |
| 27 | antibiotics & endodontics |
| 28 | **mid-term exams** |
| 29 | **mid-term exams** |
| 30 | success&failure 1 |
| 31 | success&failure 2 |
| 32 | success&failure 3 |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**: None. **2**: Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 3 |

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| **COURSE CODE** | **161116014** | **COURSE NAME** | Clinical Observation |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall and Spring | - | X | | - | | 0 | | 4 | COMPULSORY (x) ELECTIVE ( ) | | | **Turkish** |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
| - | | | - | | | | X | | | | - | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | - | - | |
| 2nd Mid-Term | | | | | - | - | |
| Quiz | | | | | - | - | |
| Homework | | | | | - | - | |
| Project | | | | | - | - | |
| Report | | | | | - | - | |
| Others (………) | | | | | - | - | |
| **FINAL EXAM** | | | | |  | | | | |  | 100 | |
| **PREREQUIEITE(S)** | | | | | Have to be successful in second class | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The clinical procedure of dentistry | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is to show the clinical procedure to student before the fourth and fifth class in which the student will make diagnosis, treatment plan and treatment.  Thus it is aimed to attempt the student more effective in his clinical job when he starts to work in clinic. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | In final two years when clinical study begins, the student knows his expected responsibility for each clinic. He makes the job for patient. He informs the patient after treatment and follows the patient if it is necessary. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Student:   1. Comprehends the self-procedure of all clinics (for eight clinics) 2. Knows equipment of clinics and defines the functions of them. 3. Explains the diagnostic and treatment process of practitioner for   each clinic. | | | | | | | |
| **TEXTBOOK** | | | | | Kılıçarslan MA. Dört Elli Diş Hekimliğinde Yardımcı Personel ve Klinik Yöntemi, Palme yayıncılık, Ankara 2013. | | | | | | | |
| **OTHER REFERENCES** | | | | | Current articles | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | All equipment used in dentistry clinics for diagnostic, treatment planning and treatment procedures | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| **1** | **Dentomaxillofacial Radiology** |
| **2** | **Dentomaxillofacial Radiology** |
| **3** | **Dentomaxillofacial Radiology** |
| **4** | **Periodontology** |
| **5** | **Periodontology** |
| **6** | **Periodontology** |
| **7** | **Oral and Maxillofacial Surgery** |
| **8** | **Oral and Maxillofacial Surgery** |
| **9** | **Oral and Maxillofacial Surgery** |
| **10** | **Restorative Dentistry** |
| **11** | **Restorative Dentistry** |
| **12** | **Restorative Dentistry** |
| **13** | **Endodontics** |
| **14** | **Endodontics** |
| **15** | **Endodontics** |
| **16** | **Prosthodontics** |
| **17** | **Prosthodontics** |
| **18** | **Prosthodontics** |
| **19** | **Pedodontics** |
| **20** | **Pedodontics** |
| **21** | **Pedodontics** |
| **22** | **Orthodontics** |
| **23** | **Orthodontics** |
| **24** | **Orthodontics** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118002 | **COURSE NAME** | ORTHODONTICS II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| FALL | 2 |  | |  | | 4 | | 5 | COMPULSORY (x) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | |  |  | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Diagnosis, treatment planing, anchorage and biological basics in orthodontics.  Orthodontic treatment methods, complications, interdisciplinary approaches, cleft lip and palate and TMJ. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Learning diagnosis concept in orthodontical disorders. Understanding how to form the orthodontic treatment plan. Comprehending concept and types of anc Learning the orthodontic treatment methods, complications, interdisciplinary approaches.  To have an information TMJ and orthodontics.  Know the cleft lip and palate and treatment methods.horage. Learning the space gaining methods. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Course helps to orthodontic treatment planning with orthodontic diagnosis methods. And course helps to define and diversifie the diagnosis, treatment planing, anchorage and biological basics in orthodontics.  Seperates and defines the treatment methods. Define the cleft lip and palate and inform the patients. Define the TMJ problems and inform the patients about the treatment methods. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Know and evaluate the diagnosis methods in orthodontics.  Learn the biological mechanism in orthodontics.  Identifie and classifie the anchorage concept in different situations.  Know the space gaining procedures in orthodontics.  Have information about the orthodontic treatment methods and classify them.  Know the TMJ disorders, cleft lip and palate and their treatment methods. | | | | | | | |
| **TEXTBOOK** | | | | | William R. Proffit, Henry W. Fields, David M. Sarver. Contemporary Orthodontics, Mosby, St. Louis, 2007. | | | | | | | |
| **OTHER REFERENCES** | | | | | Özdiler E. Güncel Bilgiler Işığında Ortodonti, Gümüş Kitabevi, Ankara, 2015. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Projector, Computer, Blackboard, Pointer | | | | | | | |

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**COURSE INFORMATION FORM**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118003 | **COURSE NAME** | PROSTHODONTICS |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | | **Laboratory** | | **Credit** | **ECTS** | **TYPE** | | **LANGUAGE** |
| Fall-Spring | 4 | |  | |  | | 4 | 5 | COMPULSORY (X ) ELECTIVE ( ) | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | |
| **Basic Science** | | **Clinical Science** | | | | **Social Science** | | | | | **Elective** |
|  | | x | | | |  | | | | |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | |
| **MID-TERM** | | | | **Evaluation Type** | | | | | | **Quantity** | **%** |
| Midterm exam | | | | | | 1 | 25 |
| Midterm exam | | | | | | 1 | 25 |
|  | | | | | |  |  |
|  | | | | | |  |  |
|  | | | | | |  |  |
| Report | | | | | |  |  |
| Others (………) | | | | | |  |  |
| **FINAL EXAM** | | | |  | | | | | | 1 | 50 |
| **PREREQUIEITE(S)** | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | Teaching Oral cavity, teeth and dental structures and missing teeth as prosthetic rehabilitation. | | | | | | | |
| **COURSE OBJECTIVES** | | | | Besides learning the morphological characteristics of the teeth and oral cavity, general information regarding the implementation of prosthetic teeth provide operations on patients | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | Understanding the factors in the anatomical and prosthetic rehabilitation of dental prostheses without damaging the prosthetic patient | | | | | | | |
| **COURSE OUTCOMES** | | | | The completion of the single missing teeth in prosthodontics need multiple missing teeth in either fixed or removable denture with what should happen on that teaches patients to be rehabilitated  Hand tools and materials used in the prosthesis laboratory stage with theoretical and technical characteristics, as well as will be learned by practice of the manipulation. | | | | | | | |
| **TEXTBOOK** | | | | 1. Prof Dr Senih Çalıkkocaoğlu Bölümlü Protezler . 2. Prof Dr Senih Çalıkkocaoğlu Tam Protezler 3. Herbert T. Shillingburg (Author), David A. Sather Jr. (Author), Edwin L. Wilson Jr. (AuthorFundamentals of Fixed Prosthodontics 4th Edition | | | | | | | |
| **OTHER REFERENCES** | | | | 1. Contemporary Fixed Prosthodontics by Stephen F. Rosenstiel BDS MSD | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | THEORETİCAL: Computer aided projection, whiteboards    PRACTICE: Aerator and micromotor handpiece, which according to various diameters and lengths drills plenty, spatula, the cook, crochet pliers | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Indications for fixed and removable prostheses, anamnesis of full denture patients, extraoral and intraoral examination, taking impressions in full dentures |
| 2 | Definition, purposes, advantages and disadvantages of partial dentures |
| 3 | Examination in terms of crown-bridge |
| 4 | Intraoral borders of the total prosthesis, determination of the anatomical borders of the lower-upper base plate on the model and placement of wax walls |
| 5 | Factors providing retention in total prostheses; anatomical factors, resorption, anatomical factors; alveolar arches, soft tissue, post-dam area |
| 6 | Physical and mechanical factors and anatomical factors that provide retention in total prostheses |
| 7 | Principles in determining vertical height, problems at the trials, Aesthetics |
| 8 | Examination, mouth preparation in partial dentures |
| 9 | Classification of partial dentures; Kennedy classification, indication and planning |
| 10-11 | 1st . MIDTERM EXAM |
| 12 | Principals of tooth preperation |
| 13 | Impression methods in fixed restorations |
| 14 | Impression and impression methods in partial dentures |
| 15 | The concept of retention in partial dentures, components of the prosthesis |
| 16 | Framework prosthetic elements, general properties of the main binders |
| 17 | Indirect retention; definition, indications, shapes, rests; functions and types |
| 18 | TERM EXAM |
| 19 | Delivery of partial dentures to the patient |
| 20 | Inclusion of base plate, wax template in removable partial dentures, occlusion in removable partial dentures |
| 21 | Metal alloys used at removable dentures |
| 22 | Precision Attachments |
| 23 | Early and late problems in full and partial dentures |
| 24 | Classification of crown-bridges and classification of porcelain crowns |
| 25 | Classification and stages of ceramic materials |
| 26 | Structure of dental porcelain and properties of aluminous porcelain |
| 27-28 | 2nd Midterm Exam |
| 29 | Laboratory stages of metal porcelain crowns |
| 30 | Temporary crowns-bridges, materials used, build up techniques |
| 31 | Tooth preparation in porcelain jacket crown, case presentations |
| 32 | Tooth preparation in laminate restorations |
| 33 | Stages of implant supported fixed restorations |
| 34 | Errors in porcelain, mechanical, biological, aesthetic errors, correction of wrong applications |
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| **3** | **2** | **1** |

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| 1 | Understanding the basic concepts of dental and learning skills | **x** |  |  |
| 2 | To benefit from learning these basic materials used in dental prostheses and especially about gaining the ability to process them | **x** |  |  |
| 3 | Knowing the skills to carry them prothesis general morphology of the teeth | **x** |  |  |
| 4 | The ability to effectively utilize the tools and materials used in the prosthesis laboratory | **x** |  |  |
| 5 | The general framework of the dental profession; rights, powers and responsibilities |  | **x** |  |
| 6 | Self-study, disciplinary and interdisciplinary teamwork ability | **x** |  |  |
| 7 | Turkish oral and written ability to use body language and vocational skills to communicate effectively in practice |  | **x** |  |
| 8 | Awareness of the need for lifelong learning; Access to knowledge, science and technology developments in the monitoring and continuous self-renewal ability | **x** |  |  |
| 9 | Professional and ethical responsibility |  | **x** |  |
| 10 | About its effects on health and the environment on a global and societal dimensions of the dental practice; about national and international regulations and standards and awareness of the legal implications of medical practice |  | **x** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

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**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118004 | **COURSE NAME** | ENDODONTI III |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theoretical** | | **Practice** | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall | X | |  |  | |  | |  | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| Spring | X | |  |  | |  | |  | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Medical Science** | | | | | **Clinical Science** | | | | **Social Science** | |
|  | |  | | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | To be successful in 3rd grade compulsory courses | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Endodontics III Course includes the last-step of the theoretical program of among Endodontics courses. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To train dental students who can make diagnosis and treatment planning of endodontic diseases. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Endodontics III course provides the practitioner dentist's training to apply Endodontic treatment within the limits of practice, to recognize borderline cases, and to make the correct orientation. It provides a theoretical basis for the clinic for future Endodontics expertise. | | | | | | | |
| **COURSE OUTCOMES** | | | | | The student who successfully completes this course can make diagnosis and treatment planning of endodontic diseases, know the limits of the renewal of endodontic treatment, make diagnosis and treatment planning in traumatic dental injuries, and know situations that require a multidisciplinary treatment approach. | | | | | | | |
| **TEXTBOOK** | | | | | 1.Selmin Kaan Aşçı, Endodonti, 2014 | | | | | | | |
| **OTHER REFERENCES** | | | | | 1.Tayfun Alaçam, Endodonti, 2000  2.Mehmet Kemal Çalışkan, Endodontide Tanı ve Tedaviler, 2006  3.Stephen Cohen, Kenneth M Hargreaves, Pathways of the Pulp, Ninth Edition, 2009  4. Arnaldo Castellucci, Endodontics; 2005  5.Johnson William T. Color Atlas of Endodontics  6. Ingle Bakland Baumgartner, Ingle’s Endodontics, fifth edition, 2002 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Not available | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Vital Endodontic Treatments |
| 2 | Vital Endodontic Treatments |
| 3 | Vital Endodontic Treatments |
| 4 | Regenerative Endodontics |
| 5 | Regenerative Endodontics |
| 6 | Root canal treatments in single or multiple sessions in permanent teeth |
| 7 | Root canal treatments in single or multiple sessions in permanent teeth |
| 8 | Root canal treatments in single or multiple sessions in permanent teeth |
| 9 | Root canal treatments in single or multiple sessions in permanent teeth |
| 10 | **Midterms** |
| 11 | **Midterms** |
| 12 | Traumatic Dental Injuries |
| 13 | Traumatic Dental Injuries |
| 14 | Traumatic Dental Injuries |
| 15 | Traumatic Dental Injuries |
| 16 | Traumatic Dental Injuries |
| 17 | Traumatic Dental Injuries |
| 18 | **Final Exams** |
| 19 | Endodontic Retreatments |
| 20 | Endodontic Retreatments |
| 21 | Endodontic Surgery |
| 22 | Endodontic Surgery |
| 23 | Diagnosis and treatment planning in root resorption |
| 24 | Diagnosis and treatment planning in root resorption |
| 25 | Endodontic Microbiology |
| 26 | Endodontic Microbiology |
| 27 | **Midterms** |
| 28 | **Midterms** |
| 29 | Contemporary approaches in Endodontic treatment |
| 30 | Contemporary approaches in Endodontic treatment |
| 31 | Multidisciplinary approaches in diagnosis and treatment planning of endodontic borderline cases. |
| 32 | Multidisciplinary approaches in diagnosis and treatment planning of endodontic borderline cases. |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**: None. **2**: Partially contribution. **3**: Completely contribution. | | | | |

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**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118005 | **COURSE NAME** | ORAL DIAGNOSIS and RADIOLOGY II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall Spring | 4 | - | | - | | 4 | | 5 | COMPULSORY (x) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
| - | | | - | | | | X | | | | - | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 20 | |
| 2nd Mid-Term | | | | | 1 | 30 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | Have to be successful in third class | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Systemic Diseases  Neurological diseases, infectious diseases, sexually transmitted diseases, special patients, drugs, oral habits, malodor ve burning sensation, dermal and mucosal findings, advance radiology and implant radiology | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is to teach the importance of systemic diseases in the way of dentistry.  By the way, taking into consideration of systemic diseases in clinical process is provided in dental treatment planning.  The aim of this course is to explain the importance of neurological diseases, infectious diseases, special patients, drugs, oral habits,  dermal and mucosal findings of systemic diseases in the way dentistry.  By the way, the realization of treatment planning of special diseases in clinical process is provided.  The radiology knowledge of student is carried from dental point to maxillofacial fan. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The student realizes the importance of systemic diseases. He knows the medicine and the treatment process of the patients. He can differentiate the prognosis of patients who have systemic disease and who have no systemic disease.  The student realized the patients in special periods and different conditions. He learns to manage the process in infectious diseases.  He comprehends the noticable points in the use of drugs.  He can associate the oral lesions with systemic diseases and drug administration.  He undestads the indications of advanced radiological techniques. He can evaluate radiographs for implant indication and follow up. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Be able to explain the medical anamnesis and the concept of systemic disease  Be able to list systemic diseases  Be able to state the differentiation of diseases and the treatments in the way of dentistry  Be able to explain the dental management approaches  Be able to manage the patients in special periods and different conditions  Be able to list infectious disease  Be able to list the oral and mucosal findings of systemic diseases  Be able to list the impotant points of drug choice  Be able to make a choice of patients for suitable radiological techniques  Be able to list oral habits  Be able to recognize oral habits and burning sensation | | | | | | | |
| **TEXTBOOK** | | | | | 1-Bilge OM, Akgül HM, Dağıstan S. Diş Hekimliğinde Muayene ve Oral Diagnoz, Atatürk Üniversitesi Yayınları, Eser Ofset, 1. Baskı, Erzurum 2012.  2- Abubekir Harorlı (ed). Ağız, Diş ve Çene Radyolojisi, Nobel Tıp Kitabevi, İstanbul 2014.  3-Gawkrodger DJ(ed). Human Disease for Dentists, Blackwell Munksgaard, 2004. | | | | | | | |
| **OTHER REFERENCES** | | | | | 4-White SC, Pharoah MJ. Oral Radiology Principles and Interpretation, Mosby Elsevier, 6th ed., 2009.  5- Bricker SL, Langlais RP, Miller CS. Oral Diagnosis, Oral Medicine and Treatment Planning, Lea & Febiger, 2nd ed., USA 1994.  6- Whaites E. Essentials of Dental Radiography and Radiology, Churchill Livingstone Elsevier, 4th ed., 2007.  7- Scully C. Oral and Maxillofacial Medicine The Basis of Diagnosis and Treatment, Churchill Livingstone Elsevier, 2nd ed., China 2008.  8- Scully C. Medical Problems in Dentistry, Churchill Livingstone Elsevier, 6th ed., China 2010.  9- Current articles | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | White Board, Computer Equipment | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
|  | **FALL TERM** |
| **1** | Syndrome, Craniofascial Syndromes, ASA Classification, Prophylaxis |
| **2** | Hematologic Diseases |
| **3** | Cardiac Diseases, Hypertension |
| **4** | Respiratory System Diseases  Ear, Nose Throat Diseases |
| **5** | Endocrinological Diseases and Metabolism-1 |
| **6** | Endocrinological Diseases and Metabolism-2 |
| **7** | Immune System, Allergy, Autoimmune Diseases |
| **8** | The Administration of Immunosuppressives and Corticosteroids |
| **9** | Ophthalmological Diseases  Dermatological Diseases |
| **10, 11** | **MID-TERM EXAMINATIONS** |
| **12** | Musculoskeletal Diseases |
| **13** | Rheumatological Diseases |
| **14** | Gastrointestinal Diseases  Halitosis and Burning Mouth |
| **15** | Chronic Renal Failure, Dialysis, Organ Transplantation |
| **16** | Vitamins and Oral Findings of Vitamin Deficiencies |
|  | **SPRING TERM** |
| **1** | Sexually Transimitted Diseases (AIDS, Syphilis, Gonore)  Liver Diseases and Viral Hepatitis |
| **2** | CBCT and Dentistry (**Assist. Prof. Dr. İbrahim Şevki BAYRAKDAR**) |
| **3** | Infectious Diseases (Bacterial, Viral and Fungal) |
| **4** | Neurologic Diseasee and Headaches |
| **5** | Neuromuscular Diseases (Craniofascial Nerve Disorders) |
| **6, 7** | **MID-TERM EXAMINATIONS** |
| **8** | Mental Diasability, Psychiatric Patients and Substance Addiction |
| **9** | Oncologic Patients  Chemotherapy, Radiotherapy and BRONJ |
| **10** | Gestation, Lactation, Menopause, Andropause, Osteoporosis |
| **11** | Drug Interactions and Advers Effects |
| **12** | Bruxism and Parafunctions  Implant Radiology |
| **13** | Advanced Radiological Techniques **(Prof. Dr. Cüneyt ÇALIŞIR)** |
| **14** | The Dermal and Mucosal Findings of Systemic Diseases **(Assist. Prof. Dr. Elif BİLGİR)** |
| **15** | Geriatrics and Dentistry  Implant Radiology |
|  | **FINAL EXAMINATION WEEKS** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118006 | **COURSE NAME** | Oral and Maxillofacial Surgery II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall/Spring | 1+1 | - | | - | | 2 | | 5 | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | | Final Exam | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | There is no recommended additional condition. | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Our lesson includes diagnostic and treatment methods of cystic formations, salivary gland and maxillary sinus diseases seen in the maxillofacial region. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Our aim is to provide the knowledge and skills to evaluate and manage diagnostic and treatment methods. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | In Oral and Maxillofacial Surgery II lesson, students will be given the ability to diagnose the pathological conditions that they may encounter in maxillofacial region examination. | | | | | | | |
| **COURSE OUTCOMES** | | | | | All students will have the level of knowledge at the end of the lesson to evaluate the maxillofacial region pathologies. | | | | | | | |
| **TEXTBOOK** | | | | | Ağız, Diş, Çene Hastalıkları ve Cerrahisi. Mustafa Türker, Şule Yücetaş. Atlas Kitapçılık, 1997, Ankara | | | | | | | |
| **OTHER REFERENCES** | | | | | Current Therapy in Oral and Maxillofacial Surgery, Shahrokh C. Bagheri, R.Bryan Bell, Elsevier, 2012, United States. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | There is no equipment required for the lesson. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1-2 | Impacted Teeth I |
| 3-4 | Impacted Teeth II |
| 5-6 | Salivary Gland Diseases I |
| 7-8 | Salivary Gland Diseases II |
| 9 | Maxillary Sinus Disease I |
| **10-11** | **MIDTERM EXAM WEEK** |
| 12 | Maxillary Sinus Disease I |
| 13 | Maxillary Sinus Disease II |
| 14 | Preprosthetic Surgery I |
| 15 | Preprosthetic Surgery II |
| 16 | Surgical Anatomy |
| **17** | **FINAL EXAM WEEK** |
| 18 | Jaw Cysts and Cyst-like Lesions |
| 19-20 | Dental Source Infections and Treatments I |
| 21-23 | Dental Source Infections and Treatments II |
| 24 | Dental Source Infections and Treatments III |
| 25-26 | Apikal Resection |
| 27 | Jaw Traumatology I |
| **28-29** | **MIDTERM EXAM WEEK** |
| 30 | Jaw Traumatology I |
| 31-32 | Jaw Traumatology III |
| 33-34 | Current Practices in Oral and Maxillofacial Surgery |
| **35-36** | **FINAL EXAM WEEK** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **x** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **x** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **x** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **x** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **x** |  |
| 7 | Consciousness of professional and ethic responsibility |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | **4** |

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| **COURSE CODE** | 161118007 | **COURSE NAME** | Periodontology II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| FALL SPRING | 4 | - | |  | | 4 | | 4 | COMPULSORY (x) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | x | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | YOK | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Non surgical periodontal treathment procedures, the used medicines, clinical and radiological diagnosis, patients with medical problems, hormones, halitosis and treathment procedures, periodontal health at kids, HIV patients, Decision for periodontal surgery.  To analyze and learn how to treat patients using Non surgical periodontal treathment procedures, and how to use medicines, analyze clinical and radiological diagnosis, patients with medical problems, hormones, halitosis and treathment procedures, periodontal health at kids, HIV patients, How to decide for periodontal surgery. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Students will learn what periodontal health means. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | |  | | --- | | * Know periodontal tissues * Periodontal classification | | * Ethiology of periodontal diseases | | * Effects of local and systemic effects. | | * Pathogenesis of diseases | | | | | | | | |
| **COURSE OUTCOMES** | | | | | * Newman MG., Takei HH., Klokkevold PR., Carranza FA., 2006; Carranza's Clinical Periodontology, Tenth edition, WB Saunders Company . * Lindhe J., Lang NP., Karring T., 2008; Clinical Periodontology and Implant Dentistry, 5th Edition. Wiley-Blackwell. * Rateischak KH, Wolf HF. Çeviri Editörü: Prof. Dr. Gürhan ÇAĞLAYAN Çeviri: Yrd. Doç. Dr. Hasan HATİPOĞLU. 2007, Periodontoloji, 3. baskı, Palme Yayıncılık Ankara. * Elsevier Saunders Co, Philedelphia, USA. Periodontoloji, Ataoğlu T, Gürsel M, 3.baskı, 1999, Damla Ofset AŞ. Konya, Türkiye. | | | | | | | |
| **TEXTBOOK** | | | | | * Journal of Periodontology ve Journal of Clinical Periodontology Journal of Periodontal Research Dergileri | | | | | | | |
| **OTHER REFERENCES** | | | | | Computer supported and library based techniques | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | To analyze and learn how to treat patients using Non surgical periodontal treathment procedures, and how to use medicines, analyze clinical and radiological diagnosis, patients with medical problems, hormones, halitosis and treathment procedures, periodontal health at kids, HIV patients, How to decide for periodontal surgery. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Clinical and radiological diagnosis |
| 2 | Patients with medical problems |
| 3 | Hormones and Periodontal health ( Periodontal health at woman) |
| 4 | Halitosis and |
| 5 | Periodontal health at young ages |
| 6 | Geriatric patients |
| 7 | Patients with HIV infection |
| 8 | Medicines |
| 9 | Antiplaque Agents |
| 10 | **Exam week** |
| 11 | **Exam week** |
| 12 | Non surgical treathments |
| 13 | Decision about surgical procedures |
| 14 | Gingivectomy and Gingivoplasti |
| 15 | Flap operation |
| 16 | Supportive treatment |
| 17 | **EXAM** |
| 1 | Suture techniques |
| 2 | Bone defects |
| 3 | Resective bone surgery |
| 4 | Bone grafts |
| 5 | Furcation defects and treatment. |
| 6 | Regeneration |
| 7 | Guided tissue regeneration |
| 8 | Wound healing after periodontal treatment |
| 9 | Mukogingival surgeryI |
| 10 | Mukogingival surgeryII |
| 11 | **Exam** |
| 12 | **Exam** |
| 13 | Prothesis-Periodontic Relations |
| 14 | Orthodontic-Periodontic Relations |
| 15 | Endodontic- Periodontic relations |
| 16 | Periodontal splints |
| 17 | Oral-mucosal pigmentations |
| 18 | **EXAM** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118008 | **COURSE NAME** | PEDIATRIC DENTISTRY II (THEORIC) |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Spring | 2 |  | |  | |  | |  | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | Previous courses of 3th class must successfully completed | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Usage of antibiotics and analgesics in child patient, space maintainer and child prosthesis, periodontal, systemic and genetic diseases in children, dental treatments of handicapped children and dental erosion. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course aims to get information about the usage of medical drugs in children, space maintainer and child prosthesis applications, sedation and general anesthesia applications, periodontal diseases, systemic diseases, genetic diseases, dental approach of handicapped children, dental erosion and to gain the ability to diagnose and treatment. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The dental students learn about the correct usage of antibiotics and analgesics in children, sedation and general anesthesia applications, periodontal, systemic and genetic diseases, dental approach of handicapped children, space maintainer and prosthesis applications, and can apply for dental treatment in children. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Be able to describe the situation to be aware of medical drug in child patients  Be able to list the indications of antibiotic and analgesics in child patients Be able to describe the use of a drug in an appropriate dose  Be able to describe the developing situation in the early loss of primary teeth  Be able to list the type of space maintainers and to describe the indications of space maintainers  Be able to list the type of child prosthesis and to describe the indications of child prosthesis  Be able to evaluate of the need for sedation and general anesthesia in children  Be able to describe the indications/contrindications of sedation and general anesthesia  Be able to distinguish the normal and diseased gingival/periodontal tissues  Be able to classification of the gingival and periodontal disease  Be able to diagnose intraoral findings of the gingival and periodontal disease and treatment of the gingival/periodontal diseases  Be able to list to systemic, congenital and genetic diseases, to diagnose intraoral findings and to treatment of these diseases  Be able to classification of handicapped children  Be able to describe the oral and dental health of handicapped children  Be able to describe the dental treatment approach of handicapped children | | | | | | | |
| **TEXTBOOK** | | | | | Tortop T, Tulunoğlu Ö. Çocuk Diş Hekimliği Bebeklikten Ergenliğe.4. baskı. Atlas kitapçılık; 2009.  Koch G, Poulsen S. Çocuk Dişhekimliğine Klinik yaklaşım. 2nd ed. Medya yayın grubu; 2009.  Doğan MC. Engelliler ve Ağız Diş Sağlığı. Akademisyen Kitabevi; 2005.  Çolak H. Minimal İnvaziv Diş Hekimliği Diş Çürüklerinin Tedavisi. Quıntessence Yayıncılık; 2013. | | | | | | | |
| **OTHER REFERENCES** | | | | | Thylstrup A, Fejerskov O. Textbook of Clinical Cariology. 2nd ed. Copenhagen, Munksgaard; 1994.  Laskaris G. Color Atlas of Oral Diseases in Children and Adolescents.Thieme; 2000.  Fejerskov O, Kidd E. Dental Caries: The Disease and Its Clinical Management. 2nd ed. Blackwell, Munksgaard; 2004.  Dean JA, Avery DR, Mc Donald RE. Dentistry for the Child and Adolescent. 9th ed. Mosby; 2010.  Welbury RR, Duggal MS, Hosey MT. Pediatric Dentistry. 4th ed. Oxford University Press; 2012. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | The equipments for the computer supported education | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | LOCAL ANESTHESIA ADMINISTRATIONS and TOOTH EXTRACTIONS in CHILDREN |
| 2 | LOCAL ANESTHESIA ADMINISTRATIONS and TOOTH EXTRACTIONS in CHILDREN |
| 3 | ANTIMICROBIAL AGENTS and ANALGESICS in PEDIATRIC DENTISTRY |
| 4 | ANTIMICROBIAL AGENTS and ANALGESICS in PEDIATRIC DENTISTRY |
| 5 | SEDATION and GENERAL ANESTHESIA APPLICATONS in CHILDREN |
| 6 | SEDATION and GENERAL ANESTHESIA APPLICATONS in CHILDREN |
| 7 | ORAL and DENTAL HEALTH of HANDICAPPED CHILDREN |
| 8 | GINGIVAL and PERIODONTAL DISEASE in CHILDREN |
| 9 | GINGIVAL and PERIODONTAL DISEASE in CHILDREN |
| **10** | **MID-TERM EXAM** |
| **11** | **MID-TERM EXAM** |
| 12 | INTRAORAL FINDINGS and DENTAL APPROACH of SYSTEMIC DISEASE in CHILDREN |
| 13 | INTRAORAL FINDINGS and DENTAL APPROACH of SYSTEMIC DISEASE in CHILDREN |
| 14 | INTRAORAL FINDINGS and DENTAL APPROACH of SYSTEMIC DISEASE in CHILDREN |
| 15 | INTRAORAL FINDINGS and DENTAL APPROACH of CONGENITAL and GENETIC DISEASES in CHILDREN |
| 16 | INTRAORAL FINDINGS and DENTAL APPROACH of CONGENITAL and GENETIC DISEASES in CHILDREN |
| 17 | MOLAR INCISOR HYPOMINERALIZATION in CHILDREN |
| 178 | DENTAL EROSION in CHILDREN |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118009 | **COURSE NAME** | Restorative Treatment (theoretical) |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| 7-8 | 1 |  | |  | | 2 | | 3 | COMPULSORY (**X**) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Treatment of advanced cases, prophylaxis, bleaching in restorative denistry | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To teach advanced restorative methods, prophylaxis and bleaching | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Student passing this course will have know how to treat advanced cases, bleaching and prophylaxis | | | | | | | |
| **COURSE OUTCOMES** | | | | | Student passing this course will have know how to treat advanced cases, bleaching and prophylaxis | | | | | | | |
| **TEXTBOOK** | | | | | 1. Theodore Roberson, Harold O. Heymann, and Edward J. Swift "Sturdevants The Art and Science of Operative Dentistry"  2. Ole Fejerskov, Edwina Kidd, "Dental Caries: The Disease and its Clinical Management"  3. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 1: Contemporary Clinical Practice",  4. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 2: Challenges of the Future"  5. Greenwall, Linda. “Bleaching Techniques in Restorative Dentistry An Illustrated Guide.“ | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Kenneth J. Anusavice "Phillips Science of Dental Materials"  2. John M. Powers , Ronald L. Sakaguchi, "Craig's Restorative Dental Materials”  3. William J. OBrien, "Dental materials and their selection"  4. Hugh Devlin "Operative Dentistry, A pratical guide to recent innovations"  5. Dayangaç, G.B., "Kompozit rezin restorasyonlar  6. J.B. Summitt, J.W. Robbins, T.J. Hilton, R.S. Schwartz, "Fundamentals of Operative Dentistry"  7. Albers HF. "Tooth-colored restoratives: Principles and techniques” | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, internet connection | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 11.09.2020 | Clinic Rules |
| 18.09.2020 | Dentin BondingAgents |
| 25.09.2020 | Dental Resin Composites |
| 02.10.2020 | Finishing and Polishing of Dental Resin Composites |
| 09.10.2020 | Non-carious cervical lesions(Erosions) |
| 16.10.2020 | Non-carious cervical lesions(Abrasions) |
| 23.10.2020 | Non-carious cervical lesions(Atrisions) |
| 30.10.2020 | Non-carious cervical lesions(Abfractions) |
| 6.11.2020 | Non-Flouridated Remineralization Materials |
| 9-20.11.2020 | Mid Term Exam |
|  |  |
| 27.11.2020  04.12.2020  11.12.2020 | Tooth Abnormalities & Their Restorations |
| 11-18-25.12.2020 | Lasers in Dentistry |
| 5-12-19-26.2.2021  5.3.2021 | Dentin hypersensitivity and their diagnosis&treatments |
| 12.3.2021 | Deeply Caries Treatment |
| 19.3.2021 | Resin Cements |
| 26.3.2021 | Individual Proflaxis |
| 2.4.2021 | Introduction of Tooth Whitening |
| 05-16.04.2021 | Mid Term Exam |
| 30.4.2021  7-14.5.2021 | Tooth discolorations and their treatments-What’s the Tooth Whitening |
| 28.5.2021 | Microabrasion Techinques |
| 4.6.2021 | Resin İnfiltration Tecniques |

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| --- | --- | --- | --- | --- |
| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  |  | **X** |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  | **X** |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **X** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  |  | **X** |
| 7 | Consciousness of professional and ethic responsibility |  |  | **X** |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **X** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161117001 | **COURSE NAME** | Oral and Maxillofacial Diseases |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall | 2 | - | | - | | 2 | | 2 | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | | Final Exam | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | There is no recommended additional condition. | | | | | | | |
| **COURSE DESCRIPTION** | | | | | In Oral and Maxillofacial Diseases course, methods of diagnosis and treatment of diseases that can be seen in the maxillofacial region will be explained. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Diagnosis and treatment methods of oral and maxillofacial diseases will be explained. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | To teach the clinical findings and treatment methods of diseases that can be seen in the maxillofacial region. | | | | | | | |
| **COURSE OUTCOMES** | | | | | In the Oral and Maxillofacial Diseases lesson, students will acquire the ability to recognize oral diseases which are very common in dentistry practice. | | | | | | | |
| **TEXTBOOK** | | | | | Ağız ve Çevre Dokusu Hastalıkları. Prof Dr Şule Yücetaş, Atlas Kitapçılık, 2005, Ankara | | | | | | | |
| **OTHER REFERENCES** | | | | | Ağız Hastalıklarının Tanı ve Tedavisi, Prof. Dr. Meral ÜNÜR, Prof. Dr. Özen DOĞAN ONUR, Quintessence, 2003, İstanbul. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | There is no equipment required for the lesson. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Lesion definitions |
| 2 | Vaziculobullous Mucosal Diseases |
| 3 | Vaziculobullous Mucosal Diseases |
| 4 | White Lesions |
| 5 | White Lesions |
| 6 | Oral Ulcerative Lesions |
| 7 | Oral Ulcerative Lesions |
| 8 | Red Blue Lesions |
| 9 | Verrucal Papillary Lesions |
| **10** | **MIDTERM EXAM WEEK** |
| **11** | **MIDTERM EXAM WEEK** |
| 12 | Granulomatous Diseases |
| 13 | Precancerous Lesions |
| 14 | Precancerous Lesions |
| 15 | Malignant Lesions |
| 16 | Malignant Lesions |
| **17** | **FINAL EXAM WEEK** |

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| --- | --- | --- | --- | --- |
| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **X** |  |
| 7 | Consciousness of professional and ethic responsibility |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118001 | **COURSE NAME** | Oral implantology |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| SPRING | 2 |  | |  | | 2 | | 2 | COMPULSORY (x ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | x | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Dental implantology definition provided insight and information about the acquisition by conducting | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Artificial tooth roots inserted into the jaw bone and made of suitable material in order to restore the function and aesthetics of the missing teeth to teach so-called indications and construction phases of the implant. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Presenting the indication and stage production of dental implants and the degree is expected to have knowledge about oral implantology. | | | | | | | |
| **COURSE OUTCOMES** | | | | | 1-İmplant bone and soft tissue will analyze the relationship.  2-Define implant types and indications area.  3- Be able to pass on information about implants and surgery.  4- Classify theoretical knowledge about implant abutment and implant supported dentures.  5- Fixed implant, allows a total or overdenture prosthesis. | | | | | | | |
| **TEXTBOOK** | | | | | 1. Dental İmplant Protezler. Carl E. Misch   Günümüz Diş Hekimliğinde İmplantoloji | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. İmplant Üstü Restorasyonlar. Çev: Prof.Dr.İ.Bülent Şermet, Dr.Esma Kürklü   İmplant Destekli Overdenture. Çev: Doç.Dr.Mehmet Ali Kılıçarslan | | | | | | | |
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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | What are implants?  The definition of implant parts |
| 2 | Biomechanics of Dental Implants |
| 3 | The patient to be evaluated  Evaluation of anatomical structures |
| 4 | Bone Density: Effect on Surgical Approach and Healing  Tooth extraction, socket grafting with Barrier Membrane and Bone Regeneration |
| 5 | Anterior Region Implant Surgery: Implant Placement |
| 6 | **MID-TERM EXAM** |
| 7 | **MID-TERM EXAM** |
| 8 | Posterior Region Implant Surgery: Implant Placement |
| 9 | Maxillary Sinus Anatomy, pathology and Graft Surgery |
| 10 | Loading protocols in implant prosthesis |
| 11 | Implant supported fixed prostheses |
| 12 | Implant supported fixed prostheses II |
| 13 | Implant-supported removable prosthesis I |
| 14 | Evaluation of periodontal tissue  What is osseointegration? |
| 15 | Implantology-soft tissue compatibility  Switches for Bone Grafting and Bone Graft Materials |
| 16 | Periimplantitis  Maintenance of Dental Implants: Implants Health Quality Scale |

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| --- | --- | --- | --- | --- |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **x** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **x** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **x** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **x** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **x** |  |  |
| 7 | Consciousness of professional and ethic responsibility |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **x** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118018 | **COURSE NAME** | ORTHODONTICS INTERNSHIP I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| FALL |  | 11 | |  | | 2 | | 2 | COMPULSORY (x) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  |  | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 100 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Planning of basic orthodontic appliances, bending of the orthodontic clasps and construction of removable appliances. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Identifiying and leraning of basic orthodontic appliance construction. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Distinguish the patient with orthodontic disorders and construct the basic removable appliance. | | | | | | | |
| **COURSE OUTCOMES** | | | | | To have knowledge about the clinical treatment methods used in orthodontics.  To know indications of the basic orthodontic appliance and apply the laboratory procedures. | | | | | | | |
| **TEXTBOOK** | | | | | William R. Proffit, Henry W. Fields, David M. Sarver. Contemporary Orthodontics, Mosby, St. Louis, 2007. | | | | | | | |
| **OTHER REFERENCES** | | | | | Nakajima E. Manual of wire bending techniques, Quintessence,2010. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Wire bending pliers (Bird peak and cutter), orthodontic wires( 0,5 , 0,7, 0,9 ) | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Orthodontic clinic scheme and orthodontic materials. |
| 2 | Geometrical bending |
| 3 | C clasp bending |
| 4 | Tear drop clasp bending |
| 5 | Tear drop clasp bending |
|  | **2. week** |
| 6 | Adams clasp bending |
| 7 | Adams clasp bending |
| 8 | Finger spring bending |
| 9 | Z springbending |
| 10 | Fixed space maintainer application |
|  | **3. week** |
| 11 | Vestibular arch bending |
| 12 | Vestibular arch bending |
| 13 | Removable space maintainer application |
| 14 | Removable space maintainer application |
| 15 | Active removable appliance application |
|  | **4. week** |
| 16 | Active removable appliance application |
| 17 | Active removable appliance application |
| 18 | Final exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **X** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  |  | **X** |
| 7 | Consciousness of professional and ethic responsibility |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118019 | **COURSE NAME** | Clinical Restorative Dentistry I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall/Spring |  | 20 | |  | | 2 | | 2 | COMPULSORY (x ) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  |  | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (Clinical works) | | | | | 1 | 50 | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Restorative dentistry “Clinical practice” | | | | | | | |
| **COURSE OBJECTIVES** | | | | | This program aims to provide students with knowledge, understanding and skills in the scientific field of restorative dentistry. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | For each dentistry student, independent thinking and the ability to investigate their original work in the field to plan, manage and finalize the skills, attitudes and behavior and provide information and skills for serving society. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students who have successfully completed this course will be able to teeth of patients. | | | | | | | |
| **TEXTBOOK** | | | | | 1. Theodore Roberson, Harold O. Heymann, and Edward J. Swift "Sturdevants The Art and Science of Operative Dentistry"  2. Ole Fejerskov, Edwina Kidd, "Dental Caries: The Disease and its Clinical Management"  3. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 1: Contemporary Clinical Practice",  4. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 2: Challenges of the Future"  5. Greenwall, Linda. “Bleaching Techniques in Restorative Dentistry An Illustrated Guide.“ | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Kenneth J. Anusavice "Phillips Science of Dental Materials"  2. John M. Powers , Ronald L. Sakaguchi, "Craig's Restorative Dental Materials”  3. William J. OBrien, "Dental materials and their selection"  4. Hugh Devlin "Operative Dentistry, A pratical guide to recent innovations"  5. Dayangaç, G.B., "Kompozit rezin restorasyonlar 6. J.B. Summitt, J.W. Robbins, T.J. Hilton, R.S. Schwartz, "Fundamentals of Operative Dentistry"7. Albers HF. "Tooth-colored restoratives: Principles and techniques” | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | List of clinical equipments declared interns before semester on official website of Dentistry faculty (http://dis.ogu.edu.tr/) | | | | | | | |

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| **OURSE SYLLABUS** | |
| **WEEKS** | **TOPICS** |
| **1.**  21-25 SEP | 4. CLINICAL PRACTICE |
| **2.**  28 SEP-02 OCT | 4. CLINICAL PRACTICE |
| **3.**  05-09 OCT | 4. CLINICAL PRACTICE |
| **4.**  12-16OCT | 4. CLINICAL PRACTICE |
| **5.**  19-23 OCT | 4. CLINICAL PRACTICE |
| **6.**  26-30 OCT | 4. CLINICAL PRACTICE |
| **7.**  02-06 NOV | 4. CLINICAL PRACTICE |
| **8.**  09-13 NOV | 4. CLINICAL PRACTICE |
| **9.**  16-20 NOV | 4. CLINICAL PRACTICE |
| **10.**  23-27 NOV | 4. CLINICAL PRACTICE |
| **11.**  30 NOV-  04 DEC | 4. CLINICAL PRACTICE |
| **12.**  07-11 DEC | 4. CLINICAL PRACTICE |
| **13.**  14-18 DEC | 4. CLINICAL PRACTICE |
| **14.**  21-25 DEC | 4. CLINICAL PRACTICE |
| **15.**  28-31 DEC | 4. CLINICAL PRACTICE |
| **16.**  11-15 JAN 2021 | 4. CLINICAL PRACTICE |
| **17.**  18-22 JAN 2021 | 4. CLINICAL PRACTICE |
| **18.**  25-29 JAN 2021 | 4. CLINICAL PRACTICE |
| **19.**  01-05 FEB 2021 | 4. CLINICAL PRACTICE |
| **20.**  08-12 FEB 2021 | 4. CLINICAL PRACTICE |
| **21.**  15-19 FEB 2021 | 4. CLINICAL PRACTICE |
| **22.**  22-26 FEB 2021 | 4. CLINICAL PRACTICE |
| **23.**  01-05 MAR 2021 | 4. CLINICAL PRACTICE |
| **24.**  08-12 MAR 2021 | 4. CLINICAL PRACTICE |
| **25.**  15-19 MAR 2021 | 4. CLINICAL PRACTICE |
| **26.**  22-26 MAR 2021 | 4. CLINICAL PRACTICE |
| **27.**  29 MAR-  02 APR | 4. CLINICAL PRACTICE |
| **28.**  05-09 APR | 4. CLINICAL PRACTICE |
| **29.**  12-16 APR | 4. CLINICAL PRACTICE |
| **30.**  19-23 APR | 4. CLINICAL PRACTICE |
| **31.**  26-30 APR | 4. CLINICAL PRACTICE |
| **32.**  03-07 MAY | 4. CLINICAL PRACTICE |
| **33.**  10-14 MAY | 4. CLINICAL PRACTICE |
| **34.**  17-21 MAY | 4. CLINICAL PRACTICE |
| **35.**  24-28 MAY | 4. CLINICAL PRACTICE |
| **36.**  31 MAY-  04 JUN | 4. CLINICAL PRACTICE |
| **37.**  07-11 JUN | 4. CLINICAL PRACTICE |
| **38.**  14-18 JUN | 4. CLINICAL PRACTICE |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **X** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGU**  **FACULTY OF DENTISTRY**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118020 | **COURSE NAME** | PROSTHODONTICS INTERNSHIP I |

**COURSE INFORMATION FORM**

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | | |
| **Theory** | | **Practice** | **Labratory** | | | **Credit** | **EC TS** | **TYPE** | | **LANGUAG E** | |
| Fall-  Spring |  | | 20 |  | | | 4 | 5 | COMPULSORY (X ) ELECTIVE ( ) | | TURKISH | |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | **Clinical Science** | | | | **Social Science** | | | | | **Elective** | |
|  | | x | | | |  | | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
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| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 100 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Teaching Oral cavity, teeth and dental structures and missing teeth as prosthetic rehabilitation. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Besides learning the morphological characteristics of the teeth and oral cavity, general information regarding the implementation of prosthetic teeth provide operations on patients | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | |  | | | | | | | |
|  | Understanding the factors in the anatomical and prosthetic rehabilitation of dental prostheses without damaging the prosthetic patient | | | | | |  |
| **COURSE OUTCOMES** | | | | | The completion of the single missing teeth in prosthodontics need multiple missing teeth in either fixed or removable denture with what should happen on that teaches patients to be rehabilitated  Hand tools and materials used in the prosthesis laboratory stage with theoretical and technical characteristics, as well as will be learned by practice of the manipulation. | | | | | | | |
| **TEXTBOOK** | | | | | 1. Prof Dr Senih Çalıkkocaoğlu Bölümlü Protezler . 2. Prof Dr Senih Çalıkkocaoğlu Tam Protezler 3. Herbert T. Shillingburg (Author), David A. Sather Jr. (Author),   Edwin L. Wilson Jr. (AuthorFundamentals of Fixed Prosthodontics 4th Edition | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Contemporary Fixed Prosthodontics by Stephen F. Rosenstiel  BDS MSD | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | THEORETİCAL: Computer aided projection, whiteboards    PRACTICE: Aerator and micromotor handpiece, which according to various diameters and lengths drills plenty, spatula, the cook, crochet pliers | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Clinical Practice |
| 2 | Clinical Practice |
| 3 | Clinical Practice |
| 4 | Clinical Practice |
| 5 | Clinical Practice |
| 7 | Clinical Practice |
| 8 | Clinical Practice |
| 9 | Clinical Practice |
| 10 | Clinical Practice |
| 11 | Clinical Practice |
| 12 | Clinical Practice |
| 13 | Clinical Practice |
| 14 | Clinical Practice |
| 15 | Clinical Practice |
| 16 | Clinical Practice |
| 17 | Clinical Practice |
| 18 | Clinical Practice |
| 19 | Clinical Practice |
| 20 | Clinical Practice |
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| 22 | Clinical Practice |
| 23 | Clinical Practice |
| 24 | Clinical Practice |
| 25 | Clinical Practice |
| 26 | Clinical Practice |
| 28 | Clinical Practice |
| 29 | Clinical Practice |
| 30 | Clinical Practice |
| 31 | Clinical Practice |
| 32 | Clinical Practice |
| 33 | Clinical Practice |
| 34 | Clinical Practice |
| 35 | Clinical Practice |
| 36 | Clinical Practice |

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| --- | --- | --- | --- | --- |
| 1 | Understanding the basic concepts of dental and learning skills | **x** |  |  |
| 2 | To benefit from learning these basic materials used in dental prostheses and especially about gaining the ability to process them | **x** |  |  |
| 3 | Knowing the skills to carry them prothesis general morphology of the teeth | **x** |  |  |
| 4 | The ability to effectively utilize the tools and materials used in the prosthesis laboratory | **x** |  |  |
| 5 | The general framework of the dental profession; rights, powers and responsibilities |  | **x** |  |
| 6 | Self-study, disciplinary and interdisciplinary teamwork ability | **x** |  |  |
| 7 | Turkish oral and written ability to use body language and vocational skills to communicate effectively in practice |  | **x** |  |
| 8 | Awareness of the need for lifelong learning; Access to knowledge, science and technology developments in the monitoring and continuous self-renewal ability | **x** |  |  |
| 9 | Professional and ethical responsibility |  | **x** |  |
| 10 | About its effects on health and the environment on a global and societal dimensions of the dental practice; about national and international regulations and standards and awareness of the legal implications of medical practice |  | **x** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | |  |  | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118021 | **COURSE NAME** | Endodontics Clinical Practice (I) |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall-Spring | - | 72 hours/  18 week-days | | - | |  | |  | COMPULSORY (x) ELECTIVE ( ) | | | TR/EN |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  |  | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 100 | |
| **PREREQUIEITE(S)** | | | | | Previous courses of 3rd year must be successfully completed | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The basic clinical practice of Endodontics | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The intern practitioner should be able to know diagnosis, treatment and case management in the presence of essential pulpal diseases. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | To educated dentist about the diagnose, treatment and management in the presence of endodontic disease. | | | | | | | |
| **COURSE OUTCOMES** | | | | | At the end of this course, the student should be able to have knowledge about  -Vital endodontic therapies in whole dentition  -to perform Single &Multiple visit RCT in anterior and premolar teeth  - Case discussion | | | | | | | |
| **Textbook** | | | | | 1.Selmin Kaan Aşçı, Endodonti, 2014 | | | | | | | |
| **OTHER REFERENCES** | | | | | 1.Tayfun Alaçam, Endodonti, 2000  2.Mehmet Kemal Çalışkan, Endodontide Tanı ve Tedaviler, 2006  3.Stephen Cohen, Kenneth M Hargreaves, Pathways of the Pulp, Ninth Edition, 2009  4. Arnaldo Castellucci, Endodontics; 2005  5.Johnson William T. Color Atlas of Endodontics  6. Ingle Bakland Baumgartner, Ingle’s Endodontics, fifth edition, 2002 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | an updated equipment list is released before the mid-term. | | | | | | | |

**Course Syllabus**

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| **DAY** | **Clinical Practice** |
| 1 | Primary Devital Root Canal Treatment |
| 2 | Primary Devital Root Canal Treatment |
| 3 | Primary Devital Root Canal Treatment |
| 4 | Case presentation/reviewing & Final Exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161117001 | **COURSE NAME** | DENTOMAXILLOFACIAL  RADIOLOGY- INTERNSHIP-1 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| ALL YEAR | 2 | - | | - | |  | |  | COMPULSORY ( x) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
| - | | | - | | | | X | | | | - | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | - | - | |
| 2nd Mid-Term | | | | | - | - | |
| Quiz | | | | | - | - | |
| Homework | | | | | - | - | |
| Project | | | | | - | - | |
| Report | | | | | - | - | |
| Others (…Clinical Practice Order……) | | | | | 1 | 10 | |
| **FINAL EXAM OF CLINICAL PRACTICE** | | | | |  | | | | | 1 | 90 | |
| **PREREQUIEITE(S)** | | | | | Have to be successful in third class | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Anamnesis and radiology | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is to provide the student to use his theorical knowledge of examination and radiological evaluation in the way of clical practice. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The student takes anamnesis, examine the patient and makes the treatment plan in the view of radiological evaluation. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Be able to describe complaint and the anamnesis of complaint  Be able to list the questions of medical anamnesis  Be able to recognize the drugs  Be able to differentiate the abnormal properties of anatomical structures be able to take radiographs and interprete them  Be able to describe treatment plan | | | | | | | |
| **TEXTBOOK** | | | | | 1-Bilge OM, Akgül HM, Dağıstan S. Diş Hekimliğinde Muayene ve Oral Diagnoz, Atatürk Üniversitesi Yayınları, Eser Ofset, 1. Baskı, Erzurum 2012.2- Abubekir Harorlı (ed). Ağız, Diş ve Çene Radyolojisi, Nobel Tıp Kitabevi, İstanbul 2014.3-Gawkrodger DJ(ed). Human Disease for Dentists, Blackwell Munksgaard, 2004. | | | | | | | |
| **OTHER REFERENCES** | | | | | 4-White SC, Pharoah MJ. Oral Radiology Principles and Interpretation, Mosby Elsevier, 6th ed., 2009.5- Bricker SL, Langlais RP, Miller CS. Oral Diagnosis, Oral Medicine and Treatment Planning, Lea & Febiger, 2nd ed., USA 1994.6- Whaites E. Essentials of Dental Radiography and Radiology, Churchill Livingstone Elsevier, 4th ed., 2007.7- Scully C. Oral and Maxillofacial Medicine The Basis of Diagnosis and Treatment, Churchill Livingstone Elsevier, 2nd ed., China 2008.8- Scully C. Medical Problems in Dentistry, Churchill Livingstone Elsevier, 6th ed., China 2010.9- Current articles | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Dental unit, intra and extraoral dental radiographic machine, pulp vitality tester, anamnesis cards, computer, mirror, explorer, holding instrument, cotton, gloves, mask | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Give oral and written information to the student about the study design of practice/ Clinical practice |
| 2 | Clinical practice |
| 3 | Clinical practice |
| 4 | Clinical practice |
| 5 | Clinical practice |
| 6 | Clinical practice |
| 7 | Clinical practice |
| 8 | Clinical practice |
| 9 | Clinical practice |
| 10 | Clinical practice |
| 11 | Clinical practice |
| 12 | Clinical practice |
| 13 | Clinical practice |
| 14 | Clinical practice |
| 15 | Clinical practice |
| 16 | Clinical practice |
| 17 | Clinical practice |
| 18 | Final Exam of Clinical Practice |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118023 | **COURSE NAME** | Oral and Maxillofacial Surgery Practice I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall/Spring | - | 22 | | - | | 2 | | 2 | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  |  | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 100 | |
| **PREREQUIEITE(S)** | | | | | There is no recommended additional condition. | | | | | | | |
| **COURSE DESCRIPTION** | | | | | This course includes diagnostic and treatment methods of cystic formations, salivary gland and maxillary sinus diseases seen in the maxillofacial region. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To provide the knowledge and skills to evaluate and manage diagnostic and treatment methods. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | In Oral and Maxillofacial Surgery II course, students will be given the ability to diagnose the pathological conditions that they may encounter in maxillofacial region examination. | | | | | | | |
| **COURSE OUTCOMES** | | | | | All students will have the level of knowledge to evaluate the maxillofacial region pathologies at the end of the course. | | | | | | | |
| **TEXTBOOK** | | | | | Ağız, Diş, Çene Hastalıkları ve Cerrahisi. Mustafa Türker, Şule Yücetaş. Atlas Kitapçılık, 1997, Ankara | | | | | | | |
| **OTHER REFERENCES** | | | | | Current Therapy in Oral and Maxillofacial Surgery, Shahrokh C. Bagheri, R.Bryan Bell, Elsevier, 2012, United States. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | There is no equipment required for the course. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Single Rooted Tooth Extraction Practice |
| 2 | Single Rooted Tooth Extraction Practice |
| 3 | Single Rooted Tooth Extraction Practice |
| 4 | Single Rooted Tooth Extraction Practice |
| 5 | Single Rooted Tooth Extraction Practice |
| 6 | Single Rooted Tooth Extraction Practice |
| 7 | Single Rooted Tooth Extraction Practice |
| 8 | Single Rooted Tooth Extraction Practice |
| 9 | Single Rooted Tooth Extraction Practice |
| 10 | Single Rooted Tooth Extraction Practice |
| 11 | Single Rooted Tooth Extraction Practice |
| 12 | Single Rooted Tooth Extraction Practice |
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| 32 | Single Rooted Tooth Extraction Practice |
| 33 | Single Rooted Tooth Extraction Practice |
| 34 | Single Rooted Tooth Extraction Practice |
| 35 | Single Rooted Tooth Extraction Practice |
| 36 | Single Rooted Tooth Extraction Practice |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **x** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **x** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **x** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **x** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **x** |  |
| 7 | Consciousness of professional and ethic responsibility |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118024 | **COURSE NAME** | PEDIATRIC DENTISTRY PRACTICE I |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall-Spring |  | 20 | |  | | 2 | | 2 | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The approach to pediatric patients, clinical and radiographical examination in children, restorative materials in pediatric dentistry, preventive and restorative treatments in the primary and immature permanent teeth. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course aims to get information about the restorative materials in pediatric dentistry and to gain the ability to apply the approach to pediatric patients and management of dental anxiety, the clinical and radiographical examination methods, and the preventive and restorative treatments in the primary and immature permanent teeth in pediatric clinic. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The dental students can diagnose as a results of the clinical and radiographical examination and apply the preventive and restorative treatments in the primary and immature permanent teeth | | | | | | | |
| **COURSE OUTCOMES** | | | | | Be able to knowledge about the differences of the approach to pediatric patients and to perform the behavior management methods  Be able to perform the intraoral examinations in children  Be able to knowledge about the clinical importance and eruption of the primary and permanent teeth  Be able to distinguish the primary and permanent teeth and to apply the suitable treatment methods as accurate diagnoses by age groups  Be able to knowledge about the caries formation and progression in children  Be able to knowledge about the methods of caries prevention and to perform the methods of caries prevention  Be able to list the restorative materials used primary and immature permanent teeth  Be able to apply the restorative treatments in the primary and immature permanent teeth | | | | | | | |
| **TEXTBOOK** | | | | | Tortop T, Tulunoğlu Ö. Çocuk Diş Hekimliği Bebeklikten Ergenliğe. 4.baskı. Atlas Kitapçılık; 2009.Koch G, Poulsen S. Çocuk Dişhekimliğine Klinik yaklaşım. 2.baskı. Medya yayın grubu; 2009. | | | | | | | |
| **OTHER REFERENCES** | | | | | Mathewson RJ, Primosch, RE. Fundamentals of Pediatric Dentistry.3rd ed. Quintessence Publishing; 1995.Laskaris G. Color Atlas of Oral Diseases in Children and Adolescent. Thieme; 2000.Dean JA, Avery DR, Mc Donald RE. Dentistry for the Child and Adolescent. 9th ed. Mosby; 2010.Cameron AC, Widmer RP. Handbook of Pediatric Dentistry Mosby;2013Welbury RR, Duggal MS, Hosey MT. Pediatric Dentistry. 4th ed. Oxford University Press; 2012.Casamassimo PS, Henry W. Fields Pediatric Dentistry: Infancy through Adolescence. Saunders; 2012. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Restorative materials in pediatric dentistry, clinical materials, pediatric patient | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1-38 | Diagnose and treatment procedures in pediatric dentistry will be applied.   1. To be able to get general and complaint anamnesis (Pediatric) 2. To be able to evaluate mental status (Pediatric) 3. Extraoral examination (Pediatric) 4. Intraoral examination (Pediatric) 5. TMJ examination (Pediatric) 6. Evaluation of panoramic radiographs (Pediatric) 7. Periapical, bitewing, occlusal radiography shooting and evaluation (Pediatric) 8. Assessment of oral care and giving oral hygiene education (Pediatric) 9. The approach to pediatric patients and management of dental anxiety 10. Glass ionomer restoration 11. Hybrid ionomer (compomer) restoration 12. Fissure sealant application 13. Preventive resin restoration application 14. Application of fluoride gel and varnish |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 4 |

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| **COURSE CODE** | 161118025 | **COURSE NAME** | PERIODONTOLOGY INTERNSHIP (CLINICAL PRACTICE) |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall- Spring |  | x | |  | |  | |  | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | x | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  |  | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (practical) | | | | | 1 | Practical threshold completion  It is the criteria for taking the internship exam. | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 100 | |
| **PREREQUIEITE(S)** | | | | | NONE | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Anatomical and morphological features of the periodontium  Classification of periodontal diseases,  Etiology, epidemiology and clinical determination of periodontal diseases  Application of phase perodontal treatment in clinic | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To teach the morphological and histological structure of periodontal tissues in detail, to distinguish healthy and diseased tissues, to teach local and systemic factors and pathogenesis that play a role in the etiology of periodontal diseases, to define and interpret the microbiological, immunological and genetic characteristics of periodontal diseases, to diagnose and treat periodontal disease, theoretical methods. To teach the epidemiology of periodontal diseases, gingival defense mechanisms, and the classification of periodontal diseases.  Practically phase I is learning about periodontal therapy. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Comprehending various index systems of the preclinical student and using this information in the diagnosis of periodontal diseases. Examination methods for the diagnosis of periodontal diseases, making a diagnosis based on these methods and making a treatment plan in line with this diagnosis. Classification of periodontal diseases. Learns the diagnosis and treatment of periodontal health and gingival diseases, the stages and degrees of periodontitis, theoretically the treatment of gingival enlargement and gingival recession. Practically phase I is learning about periodontal therapy. | | | | | | | |
| **COURSE OUTCOMES** | | | | | * Know the anatomy of periodontal tissues. * Know the etiology of periodontal diseases. * Know the effects of local and systemic factors on the occurrence of periodontal diseases. * Know immunity and inflammation. * Know gingivitis and periodontitis. * Know gingival growth. * Know gingival recession and treatment options. * Phase I should be able to apply periodontal treatment. | | | | | | | |
| **TEXTBOOK** | | | | | * Newman MG., Takei HH., Klokkevold PR., Carranza FA., 2006; Carranza's Clinical Periodontology, Tenth edition, WB Saunders Company . * Lindhe J., Lang NP., Karring T., 2008; Clinical Periodontology and Implant Dentistry, 5th Edition. Wiley-Blackwell. * Rateischak KH, Wolf HF. Çeviri Editörü: Prof. Dr. Gürhan Çağlayan Çeviri: Yrd. Doç. Dr. Hasan Hatipoğlu. 2007, Periodontoloji, 3. baskı, Palme Yayıncılık Ankara. * Elsevier Saunders Co, Philedelphia, USA. Periodontoloji, Ataoğlu T, Gürsel M, 3.baskı, 1999, Damla Ofset AŞ. Konya, Türkiye. * Periodontoloji ve İmplantoloji I-II Editörü: Prof. Dr. Gürhan Çağlayan 1. baskı, Palme Yayıncılık, Ankara | | | | | | | |
| **OTHER REFERENCES** | | | | | * Periodontology 2000 * Journal of Periodontology * Journal of Clinical Periodontology * Journal of Periodontal Research | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Note, Slideshow, Periodontal hand tools, equipment needed in Phase I periodontal treatment | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | PHASE I PERIODONTAL TREATMENT |
| 2 | PHASE I PERIODONTAL TREATMENT |
| 3 | PHASE I PERIODONTAL TREATMENT |
| 4 | PHASE I PERIODONTAL TREATMENT |
| 5 | PHASE I PERIODONTAL TREATMENT |
| 6 | PHASE I PERIODONTAL TREATMENT |
| 7 | PHASE I PERIODONTAL TREATMENT |
| 8 | PHASE I PERIODONTAL TREATMENT |
| 9 | PHASE I PERIODONTAL TREATMENT |
| 10 | PHASE I PERIODONTAL TREATMENT |
| 11 | PHASE I PERIODONTAL TREATMENT |
| 12 | PHASE I PERIODONTAL TREATMENT |
| 13 | PHASE I PERIODONTAL TREATMENT |
| 14 | PHASE I PERIODONTAL TREATMENT |
| 15 | PHASE I PERIODONTAL TREATMENT |
| 1 | PHASE I PERIODONTAL TREATMENT |
| 2 | PHASE I PERIODONTAL TREATMENT |
| 3 | PHASE I PERIODONTAL TREATMENT |
| 4 | PHASE I PERIODONTAL TREATMENT |
| 5 | PHASE I PERIODONTAL TREATMENT |
| 6 | PHASE I PERIODONTAL TREATMENT |
| 7 | PHASE I PERIODONTAL TREATMENT |
| 8 | PHASE I PERIODONTAL TREATMENT |
| 9 | PHASE I PERIODONTAL TREATMENT |
| 10 | PHASE I PERIODONTAL TREATMENT |
| 11 | PHASE I PERIODONTAL TREATMENT |
| 12 | PHASE I PERIODONTAL TREATMENT |
| 13 | PHASE I PERIODONTAL TREATMENT |
| 14 | PHASE I PERIODONTAL TREATMENT |
| 15 | PHASE I PERIODONTAL TREATMENT |
| 16 | PHASE I PERIODONTAL TREATMENT |
| 17 | PHASE I PERIODONTAL TREATMENT |
| 18 | PHASE I PERIODONTAL TREATMENT |
| 19 | PHASE I PERIODONTAL TREATMENT |
| 20 | PHASE I PERIODONTAL TREATMENT |
| 21 | PHASE I PERIODONTAL TREATMENT |
| 22 | PHASE I PERIODONTAL TREATMENT |
| 23 | PHASE I PERIODONTAL TREATMENT |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120001 | **COURSE NAME** | Oral and Maxillofacial Surgery III |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall/Spring | 2 |  | |  | | 2 | | 5 | COMPULSORY ( x) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | |  | | | | | | | |
| **COURSE OBJECTIVES** | | | | |  | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | |  | | | | | | | |
| **COURSE OUTCOMES** | | | | |  | | | | | | | |
| **TEXTBOOK** | | | | | Ağız, Diş, Çene Hastalıkları ve Cerrahisi. Mustafa Türker, Şule Yücetaş. Atlas Kitapçılık, 1997, Ankara | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Laptop and projection machine. | | | | | | | |

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| **Course Syllabus** | |
| **Week** | **Topic** |
| 1 | Tumor-like Lesions of the Jaws |
| 2 | Tumor-like Lesions of the Jaws |
| 3 | Beign Odontogenic Tumors |
| 4 | Beign Odontogenic Tumors |
| 5 | Malign Odontogenic Tumors |
| 6 | Benign Non-odontogenic Tumors of the Jaw |
| 7 | Benign Non-odontogenic Tumors of the Jaw |
| 8 | Malign Non-odontogenic Tumors of the Jaw |
| 9 | Malign Non-odontogenic Tumors of the Jaw |
| 10 | Midterm exam |
| 11 | Midterm exam |
| 12 | Traumatology: Introduction |
| 13 | Fractures of the Jaw, Clinical and Radiologic Examination |
| 14 | Fractures of the Mandible: Classification |
| 15 | Fractures of the Mandible |
| 16 | Treatment Of Mandible Fractures |
| 17 | Final exam |
| 18 | Maxilla Fracture types and classification |
| 19 | Treatment of Maxilla Fractures |
| 20 | Treatment of Maxilla Fractures |
| 21 | Dentofacial Deformities: Introduction |
| 22 | Ortognathic Surgery: Introduction |
| 23 | Orthognathic surgery for the mandible |
| 24 | Orthognathic surgery for the mandible |
| 25 | Orthognathic surgery for the mandible |
| 26 | Orthognathic surgery for the maxilla |
| 27 | Orthognathic surgery for the maxilla |
| 28 | Midterm exam |
| 29 | Midterm exam |
| 30 | Orthognathic surgery for the maxilla |
| 31 | Orthognathic surgery complications |
| 32 | Orthognathic surgery complications |
| 33 | Cleft Lip and Palate and Treatment |
| 34 | Cleft Lip and Palate and Treatment |
| 35 | Final exam |
| 36 | Final exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **x** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **x** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **x** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **x** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **x** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **x** |  |
| 7 | Consciousness of professional and ethic responsibility |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120002 | **COURSE NAME** | SEMINARY |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall/Spring | 1 |  | |  | | 2 | | 4 | COMPULSORY (x ) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  |  | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (Clinical works) | | | | |  |  | |
| **FINAL EXAM** | | | | | PROJECT/HOMEWORK | | | | |  | 100 | |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | |
| **COURSE DESCRIPTION** | | | | | SEMINARY | | | | | | | |
| **COURSE OBJECTIVES** | | | | | This program aims to provide students with knowledge, understanding and skills in the scientific field of academic life . | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | For each dentistry student, independent thinking and the ability to investigate their original work in the field to plan, manage and finalize the skills, attitudes and behavior and provide information and skills for serving society. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students who have successfully completed this course will be able to learn of basic academic presentation technique | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | List of clinical equipments declared interns before semester on official website of Dentistry faculty (http://dis.ogu.edu.tr/) | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Seminary Practice |
| 2 | Seminary Practice |
| 3 | Seminary Practice |
| 4 | Seminary Practice |
| 5 | Seminary Practice |
| 6 | Seminary Practice |
| 7 | Seminary Practice |
| 8 | Seminary Practice |
| 9 | Seminary Practice |
| 10 | Seminary Practice |
| 11 | Seminary Practice |
| 12 | Seminary Practice |
| 13 | Seminary Practice |
| 14 | Seminary Practice |
| 15 | Seminary Practice |
| 16 | Seminary Practice |
| 17 | Seminary Practice |
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| 23 | Seminary Practice |
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| 28 | Seminary Practice |
| 29 | Seminary Practice |
| 30 | Seminary Practice |
| 31 | Seminary Practice |
| 32 | Seminary Practice |
| 33 | Seminary Practice |
| 34 | Seminary Practice |
| 35 | Seminary Practice |
| 36 | Seminary Practice |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **X** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120004 | **COURSE NAME** | Maxillofacial Prostheses |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| 10 | 1 |  | |  | | 1 | | 4 | COMPULSORY (x) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | x | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  |  | |
| 2nd Mid-Term | | | | | 1 | 50 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Classification of maxillofacial prosthetics, approach and treatment of learning | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Will be administered to patients with maxillofacial defects is to learn basic information about the prosthesis, is to grasp the basic principles of treatment planning and construction methods | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | In this lesson students will be learn;  1. Maksillofacial construction techniques to design the prosthesis effectively and be able to complete successfully the prosthetic treatment. 1.1. Basic information about the construction of maxillofacial prosthetics.  1.2. It can classify the different types of maxillofacial prosthetics.  1.3. Maxillofacial defects classification.  1.4. Learn maxillofacial prostheses of various types used in dentistry.  1.5. Materials used in maxillofacial prosthesis. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Classification of maxillofacial prosthetics, approach and treatment of learning | | | | | | | |
| **TEXTBOOK** | | | | | Clinical Maxillofacial Prosthetics. Thomas D. Taylor, Quintessence Publishing, 2000, ISBN-13: 978-0867153910 | | | | | | | |
| **OTHER REFERENCES** | | | | | Branemark PI. Complex Cleft Palate and Craniomaxillofacial Defects, Quintessence Publishing Co. Inc. 1999.Beumer J. Curtis TA. Firtell DN. Maxillofacial rehabilitation CV Mosby Company ST Louis Toronto London 1979 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 22.02.2021 | Classification of maxillofacial defects |
| 01.03.2021 | Indications of maxillofacial prostheses |
| 08.03.2021 | Maxillary resection in patients with post-operative anatomy / Aramany Classification |
| 15.03.2021 | Resection obturator, treatment obturators and permanently obturators |
| 22.03.2021 | Impression methods of resection obturators |
| 29.03.2021 | Mandibular prosthetic treatment in resected patients |
| 05.04.2021 | Maxillary and mandibular implant planning and design of resection cases |
| 12.04.2021 | Implant supported obturators |
| 19.04.2021 | Epitheses in retention and stability |
| 10.05.2021 | The nose epithesis |
| 17.05.2021 | The ear epithesis |
| 24.05.2021 | The Eye epitheses |
| 31.06.2021 | Cleft lip and palate |
| 07.06.2021 | Case Discussion (cleft lip and palate) |
| 14.06.2021 | Discussion of cases (maxillary and mandibular resection cases) |
|  | Semester final exam |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 16119001 | **COURSE NAME** | GENERAL SURGERY |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | |
| **Theory** | | **Practice** | **Labratory** | | | **Credit** | **ECTS** | **TYPE** | | **LANGUAGE** |
| 1 | 1 | |  |  | | | 1 | 2 | COMPULSORY (X ) ELECTIVE ( ) | |  |
| **COURSE CATAGORY** | | | | | | | | | | | |
| **Basic Science** | | **Basic Medical Science** | | | | **Clinical Science** | | | | | **Social Science** |
|  | |  | | | | X | | | | |  |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** |
| 1st Mid-Term | | | | |  | 50 |
| 2nd Mid-Term | | | | |  |  |
| Quiz | | | | |  |  |
| Homework | | | | |  |  |
| Project | | | | |  |  |
| Report | | | | |  |  |
| Others (………) | | | | |  |  |
| **FINAL EXAM** | | | | |  | | | | |  | 50 |
| **PREREQUIEITE(S)** | | | | |  | | | | | | |
| **COURSE DESCRIPTION** | | | | | It contains general information from the General Surgery course, which is one of the fundamental subjects related to medicine, that the 5th term students of the Faculty of Dentistry can use in their professional life. | | | | | | |
| **COURSE OBJECTIVES** | | | | | It is important for physicians who will graduate as dentists to learn basic surgical subjects while practicing their profession. Therefore, the most appropriate information for Dentistry from the field of General Surgery will be shared. | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | In the General Surgery course, basic surgery will be taught to the student and will provide a versatile view of the problems that the physicians may encounter in their future professional life. | | | | | | |
| **COURSE OUTCOMES** | | | | | Lecture notes | | | | | | |
| **TEXTBOOK** | | | | | Schwartz Principles of Surgery , Sabiston Textbook of Surgery | | | | | | |
| **OTHER REFERENCES** | | | | | International Guidelines (NCCN etc.) | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | 28.09.2022 Surgical History and Ethics |
| 2 | 05.10.2022 Use of Surgical Techniques and Materials |
| 3 | 12.10.2022 Hemostasis, Surgical Bleeding and Transfusion |
| 4 | 19.10.2022 Surgical Infections and Prophylaxis |
| 5 | 26.10.2022 Wound Healing |
| 6 | 02.11.2022 Burn |
| 7 | 09.11.2022 Trauma |
| 8 | 16.11.2022 Shock |
| 9 | 23.11.2022 Associated Problems in Surgery |
| 10 | 28.11- 02.12.2022 MIDTERM EXAM WEEK |
| 11 | 05-09.12.2022 MIDTERM EXAM WEEK |
| 12 | 14.12.2022 Head and Neck Anatomy (1) |
| 13 | 21.12.2022 Head and Neck Anatomy (2) |
| 14 | 28.12.2022 Head and Neck Diseases (1) |
| 15 | 04.01.2023 Head and Neck Diseases (2) |
| 16 | 11.01.2023 Upper Gastrointestinal System Anatomy |
| 17 | 16-20.01.2023 FINAL EXAM WEEK |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Ability to understand and learn basic surgical concepts | **x** |  |  |
| 2 | Learning the history of surgery and ethical responsibility awareness | **x** |  |  |
| 3 | Ability to understand and manage basic surgical problems | **x** |  |  |
| 4 | Ability to recognize and understand head and neck anatomy and diseases | **x** |  |  |
| 5 | Ability to understand upper gastrointestinal tract anatomy | **x** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **SEMESTER** | 5 |

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| **COURSE CODE** | 16119002 | **COURSE NAME** | İnternal Medicine, Hematology |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall | 1 | - | | - | | 1 | | 2 | COMPULSORY (x) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | |  | 50 | |
| **PREREQUIEITE(S)** | | | | | The lessons include general information about medical practices and internal medicine related occupational life. | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Students who graduate as a dentist should have information about the medical history of the patients, the drugs they use and the possible side effects, the things they should pay attention to the physical examination is important when practicing their profession. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Gaining the necessary knowledge skills related to internal diseases in the evaluation of patients | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | |  | | | | | | | |
| **COURSE OUTCOMES** | | | | | To have general knowledge of internal medicine | | | | | | | |
| **TEXTBOOK** | | | | | Harrison's Principles of Internal Medicine | | | | | | | |
| **OTHER REFERENCES** | | | | | Guidebook, Uptodate, Current medical diagnosis and treatment | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer and power point program | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Independent Learning |
| 2 | Physician, patient assessment principles and basic laboratory tests and evaluation **Dr. Öğr. Üyesi. Melisa Şahin Tekin** |
| 3 | Independent Learning |
| 4 | Oral and dental health in antiplatelet therapy receiving patients  **Öğr. Gör. Dr. Filiz Yavaşoğlu** |
| 5 | Oral findings in hematologic diseases and immune deficient patients  **Öğr. Gör. Dr. Filiz Yavaşoğlu** |
| 6 | Chronic Diseases and Oral and Dental Health in Internal Diseases  **Dr. Öğr. Üyesi. Melisa Şahin Tekin** |
| 7 | Independent Learning |
| 8 | Oral and dental health in endocrine diseases and in geriatric patient  **Dr. Öğr. Üyesi. Melisa Şahin Tekin** |
| 9 | Independent Learning |
| 10 | **Exam Week** |
| 11 | **Exam Week** |
| 12 | Oral and dental health in anemic and thrombocytopenic patients  **Doç. Dr. Neslihan Andıç** |
| 13 | Independent Learning |
| 14 | Internal Medicine and Dentistry Consultation  **Dr. Öğr. Üyesi. Melisa Şahin Tekin** |
| 15 | Independent Learning |
| 16 | Oral and dental health in hemophilia  **Doç. Dr. Neslihan Andıç** |
| 17 | **Exam Week** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 16119003 | **COURSE NAME** | Temporomandibular disorders and treatment |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall | 1 |  | |  | | 1 | | 3 | COMPULSORY () ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | x | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Temporomandibular Joint (TMJ) and functional anatomy  Diagnose muscle disorders and internal dearrangements | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Understand TMJ and functional anatomy  Diagnose muscle disorders and internal dearrangements | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Treatment internal dearrangements Do medical and splint treatments | | | | | | | |
| **COURSE OUTCOMES** | | | | | Learning and understanding the treatment of Temporomandibular Disorders (TMD) | | | | | | | |
| **TEXTBOOK** | | | | | Okeson JP,Management of Temporomandibular Disorders and Occlusion,Elsevier,7 th ed. | | | | | | | |
| **OTHER REFERENCES** | | | | | Esengül Yengin, Temporomandibular rahatsızlıklarda teşhis ve tedavi,İ.Ü Diş hekimliği fakültesi yayını.1. basım | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Anatomy of TMJ and muscles of mastication |
| 2 | Functional anatomy and biomechanics of TMJ |
| 3 | Ethyology of mastication system disorder |
| 4 | Symptoms of mastication system functional disorders |
| 5 | Differantial diagnosis and treatment in TMD |
| 6 | Treatment procedures of TMD |
| 7 | Treatment of muscle disorders |
| 8 | Treatment of internal dearrangement |
| 9 | MR imaging in TMD |
| 10 | Treatment of inflamatuary TMD |
| 11 | Treatment of chronic mandibular hypomobility and growth disorders |
| 12 | Case discussion 1 Radiological |
| 13 | Case discussion 2 Diagnosis |
| 14 | Case discussion 3 Treatment |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161119004 | **COURSE NAME** | Ophthalmology |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall | 1 | 0 | | 0 | | 1 | | 2 | COMPULSORY (\*) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | \* | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 50 | |
| 2nd Mid-Term | | | | | n/a |  | |
| Quiz | | | | | n/a |  | |
| Homework | | | | | n/a |  | |
| Project | | | | | n/a |  | |
| Report | | | | | n/a |  | |
| Others (………) | | | | | n/a |  | |
| **FINAL EXAM** | | | | | Mid-term final exam | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | n/a | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Basic information on eye diseases and treatment | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Basic information about eye diseases and inform its diseases and treatment | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Because of the proximity to the mouth, nose and sinuses are intended to inform about eye diseases. | | | | | | | |
| **COURSE OUTCOMES** | | | | | PowerPoint slides | | | | | | | |
| **TEXTBOOK** | | | | | n/a | | | | | | | |
| **OTHER REFERENCES** | | | | | Basic Ophthalmology, School of Medicine Term 5 Ophthalmology Lecture notes / slides, Kanski Clinical Ophthalmology | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | **n/a** | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Medical history and approach to patient in Ophthalmology |
| 2 | Ophthalmology Devices Used in the Treatment and Diagnosis |
| 3 | Specific to Eye Diseases Symptoms- Signs and Physical Examination |
| 4 | Ocular Anatomy and Physiology |
| 5 | Refractive Errors |
| 6 | Orbital Diseases and Infections |
| 7 | Ocular Infections |
| 8 | Cataract and lens disease |
| 9 | Cornea diseases |
| 10 | Eye disease with interesting case |
| 11 | EXAM |
| 12 | EXAM |
| 13 | Relationship of Dentistry and Eye Diseases |
| 14 | Glaucoma |
| 15 | Retina disease |
| 16 | Strabismus |
| 17 | Uveitis |
| 18 | Eye Injuries and Protective Eye Medicine |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. |  | **X** |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  | **X** |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161119005 | **COURSE NAME** | Dermatology and Veneorology |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
|  |  |  | |  | |  | |  | COMPULSORY (x) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | |  | 50 | |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Dermatological diseases of oral mucosa, tongue and lips | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Recognition of dermatological diseases of oral mucosa, tongue and lips | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Recognition of dermatological diseases of oral mucosa, tongue and lips | | | | | | | |
| **COURSE OUTCOMES** | | | | | He/she recognizes benign, premalign, malignant and hyperpigmented lesions located in oral mucosa, tongue and lips.  He/she recognizes microbial and inflammatory diseases of oral mucosa, tongue and lips . | | | | | | | |
| **TEXTBOOK** | | | | | Andrews' Skin Diseases | | | | | | | |
| **OTHER REFERENCES** | | | | | Can Baykal Atlas of Dermatology | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | - | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Lichen Planus and Lichenoid Dermatosis Associate Professor Hilal KAYA ERDOĞAN |
| 2 | Pemphigus Group Diseases Associate Professor Hilal KAYA ERDOĞAN |
| 3 | Eritema Multiforme, Stevens Johnson Sendromu, Toxic Epidermal Necrolysis Associate Professor Hilal KAYA ERDOĞAN |
| 4 | Recurrent Aphtous Stomatitis and Behçet’s Disease Associate Professor Hilal KAYA ERDOĞAN |
| 5 | Viral Diseases Assist. Professor Ersoy ACER |
| 6 | Bacterial Infections Associate Professor Hilal KAYA ERDOĞAN |
| 7 | Fungal Enfeksiyonlar Assist. Professor Ersoy ACER |
| 8 | Leukoplakia and Other Premalign Lesions Assist. Professor Ersoy ACER |
| 9 | Hyperpigmentation Disorders of Oral Mucasa Assist. Professor Ersoy ACER |
| 10 | Malign Lesions of Oral Mucosa, Tongue and Lips Assist. Professor Ersoy ACER |
| 11 | Benign Lesions of Oral Mucosa, Tongue and Lips Assist. Professor Ersoy ACER |
| 12 | Oral Findings of Systemic Diseases Associate Professor Hilal KAYA ERDOĞAN |
| 13 | Tongue and Lip Diseases Assist. Associate Professor Hilal KAYA ERDOĞAN |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120005 | **COURSE NAME** | Dental Office Management and Ergonomics |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Sping | 1 |  | |  | | 1 | | 2 | COMPULSORY (×) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 25 | |
| 2nd Mid-Term | | | | | 1 | 25 | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Basic principles of ergonomics, physical, cognitive and administrative ergonomics, common musculoskeletal diseases among dentists, their findings and risk factors associated with their developments, dentist’s work station adjustments, correct working postures, methods to minimize work-related stress, grasping types for hand-held instruments, methods to improve general health status, home and worksite exercises, basic principles of office ergonomics, fatigue and steps taken to overcome it, the principles and methods of four-handed dentistry, legal procedures to establish a dental practice office. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To give information about the basic principles of ergonomics, common musculoskeletal diseases among dentists, their findings and risk factors associated with their developments and office ergonomics  To teach suitable body postures, proper adjustments of work stations, methods to improve practice of dentistry and general health status, fatigue and steps taken to overcome it, the principles and methods of four- handed dentistry, legal procedures to open a dental practice office. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Gives basic information about dental ergonomics and dental affice management | | | | | | | |
| **COURSE OUTCOMES** | | | | | Student will have knowledge about dental office management and ergonomics | | | | | | | |
| **TEXTBOOK** | | | | | **American Dental Association** (2013). The ADA practical guide to dental office design. [Chicago, III.]: American Dental Association, Dept. of. Product Development and Sales.  **Skovsgaard, H. (2001).** Ergonomi Raporu. 1-25. | | | | | | | |
| **OTHER REFERENCES** | | | | | **Türk Diş Hekimleri Birliği (2014).** Diş Hekimliği muayenehanesi yönetim sistemi. | | | | | | | |
|  | | | | | **American Dental Association (2012).** The ADA Practical Guide to Starting Your Dental Practice. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Working positions in dentistry |
| 2 | Working positions in dentistry |
| 3 | Four handed dentistry |
| 4 | Four handed dentistry |
| 5 | Clinic management |
| 6 | Musculoskeletal disorders in dentistry |
| 7 | Dental office design |
| 8 | MID-TERM EXAM |
| 9 | MID-TERM EXAM |
| 10 | Legal responsibilities of dentists |
| 11 | Financial management |
| 12 | Sterilization and disinfection in dental office |
| 13 | Sterilization and disinfection in dental office |
| 14 | Patient records and tracking |
| 15 | Instruments used in dental office and their maintenance |
| 16 | Instruments used in dental office and their maintenance |
| 17-18 | General Review |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. |  | **x** |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  |  | **x** |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  |  | **x** |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  | **x** |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **x** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  |  | **x** |
| 7 | Consciousness of professional and ethic responsibility |  | **x** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **x** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161119006 | **COURSE NAME** | ENT Diseases |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
|  | 1 |  | |  | |  | |  | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | x | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 40 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 60 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Various disorders of nose, paranasal sinuses, oral cavity, pharynx, salivatory glands, and neck related with dentistry practice | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Training for various diseases occasionally encountered in dentistry practice and necessitates cooperation with an otorhinolaryngologist to diagnose and treat them | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | For a dentistry student, knowing diagnosis and treatment of not only diseases of tooth and gingiva but also various disorders of nose, paranasal sinuses, oral cavity, pharynx, salivatory glands, and neck is an adjunct to occupational training | | | | | | | |
| **COURSE OUTCOMES** | | | | | Dentistry students to gain information about management steps including evaluating anamnesis achieved from patient or relatives about various disorders of nose, paranasal sinuses, oral cavity, pharynx, salivatory glands, and neck, diagnosing accurately by applying appropriate physical examination and studies in concordance with an otorhinolaryngologist, applying appropriate treatment plan after diagnosis, and follow-up of the patient. Having knowledge of methods of informing the patients and relatives in these stages. | | | | | | | |
| **TEXTBOOK** | | | | | Ear Nose and Throat and Head Neck Surgery Ed.Onur ÇelikEar Nose and Throat and Head Neck Surgery Ed.Can Koç | | | | | | | |
| **OTHER REFERENCES** | | | | | Essential Otolaryngology Essential Otolaryngology Head and Neck Surgery KJ.Lee Çev Eds.:Metin Önerci, Hakan Korkmaz Güneş Tıp Kitabevleri | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, Barcovision hardware | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Physiology of Nose and Paranasal Sinuses |
| 2 | Anatomy and Radiology of Nose - Paranasal Sinuses |
| 3 | Acute and Chronic Sinusitis |
| 4 | Diseases of the Nose and Paranasal Sinuses |
| 5 | Oral cavity benign lesions and tumors |
| 6 | Oral Cavity Malign Tumors |
| 7 | Salivary gland diseases |
| 8 | Obstrüktif Sleep Apne Sendromu (OSAS) |
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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161119007 | **COURSE NAME** | NEUROLOGY |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Autumn | 1 | - | | - | |  | |  | COMPULSORY (x) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
| - | | | - | | | | 1 | | | | - | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 50 | |
| 2nd Mid-Term | | | | | - | - | |
| Quiz | | | | | - | - | |
| Homework | | | | | - | - | |
| Project | | | | | - | - | |
| Report | | | | | - | - | |
| Others (………) | | | | | - | - | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | Have to be successful in 4th class | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Neurological Diseases | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Diagnosis and treatment plannig for the solutions of dental problems in neurological diseases, practicing the safe, evidence-based applications in individuals with neurological diseases | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | 1-Implementing the intra-and interdisipliner teamwork for the varios bracnhes dentistry,  2- Making cooperation with experts in the field of neurology and discriminating the dental diseases from the neurological diseases. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Appliying the information learned in the field of neurology by the clinical as well as laboratory studies. | | | | | | | |
| **TEXTBOOK** | | | | | 1. İstanbul University Faculty of Medicine Neurology Book   Editors: Prof.Dr. Emre Oge, Prof. Dr. Betul Baykan | | | | | | | |
| **OTHER REFERENCES** | | | | | 1-Clinic Noroanatomy ve Neurologıcal Examination  Editors: Prof.Dr. Gazi Özdemir, Authors: Prof.Dr. Serhat Ozkan, Prof.Dr. Ozcan Ozdemir  2- Current articles | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | White board, computer | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | INTRODUCTION TO NEUROLOGY AND NEUROLOGICAL EXAMINATION |
| 2 | EMERGENCY NEUROLOGICAL DISEASES |
| 3 | CRANIAL NERVES ( 5,7,9,10,11 ) |
| 4 | PRINCIPLES OF NEUROSCIENCE AND DENTAL TREATMENT |
| 5 and 6. | **MID-TERM EXAMINATIONS- 21.11.2017** |
| 7 | HEADACHES |
| 8 | CRANIOFACIAL NEVRALJI |
| 9 | EPILEPSY |
| 10 | SYNCOPE |
| 11 | CEREBROVASCULAR DİSEASES |
| 12 | DEMENTİA |
| 13 | MULTİPLE SCLEROSİS |
| 14 | MYASTENİA GRAVES |
| 15 | MYOPATHY |
| 16 | **FINAL EXAM 09.01.2018** |
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| **NO** |  |  |  |  |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | **161120006** | **COURSE NAME** | Topographical Head and Neck Anatomy |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Spring | 1 |  | | |  | | 1 | | 2 | COMPULSORY (**🞫**) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | | **Clinical Science** | | | | **Social Science** | |
|  | | | **🞫** | | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | | |
| **MID-TERM** | | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 40 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | | |  | | | | | 1 | 60 | |
| **COURSE CONTENT** | | | | In this course, it is given the basic knowledge about human anatomy and the terminology used in health science  This course involves the study of the haed and neck structures of the human body | | | | | | | | | |
| **COURSE OBJECTIVES** | | | | In this course, detailed information about the usage and fundamentals of the Latin terminology will be given. While giving this knowledge, the relationship between basic and clinical sciences has to be emphasized.  Give the anatomical information about the locomotor system and make clear the functional importance | | | | | | | | | |
| **COURSE AIMS** | | | | Students will be able to understand and use Latin anatomical terminology and  define general terms and concepts associated with anatomy  Determination of anatomical points of head and neck, understanding of the functional importance, the ability to provide the clinical integration (relations). | | | | | | | | | |
| **TEXTBOOK(S)** | | | | -Arıncı, K, Elhan, A: Anatomi, Cilt 1-2, 2. Baskı, Güneş Kitabevi, Ankara, 1997.  -Çimen, A: Anatomi. Uludağ Üniversitesi Basımevi, Bursa, 1987.  -Dere, F: Anatomi, Cilt 1-2, 2. Baskı, Okullar Pazarı Kitabevi, Adana, 1990.  -Moore, KL: Clinically Oriented Anatomy. 3th Edition, Williams and Wilkins, Baltimore, 1992.  -Netter F.H.:Atlas of Human Anatomy, Seventh Edition, Ciba-Geigy Corporation, 1994. | | | | | | | | | |
| **REFERENCES** | | | | Sobotta Human Anatomy Atlas, 2006. | | | | | | | | | |

\* ECTS (European Credit Transfer System).

\*\* Place (X) as appropriate.

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| **COURSE OUTLINE (Spring)** | |
| **WEEK** | **SUBJECTS / TOPICS** |
| **1** | Regions of the head, layers of the scull |
| **2** | Basis cranii |
| **3** | Vestibulocochlear organs |
| **4** | The Face |
| **5** | Orbital region |
| **6** | Nasal region |
| **7** | MID-TERM EXAM |
| **8** | Oral region |
| **9** | Lateral regions of the head |
| **10** | Pharynx |
| **11** | Superficial anatomy of the neck (vessels and nerves) |
| **12** | Cervical muscles |
| **13** | Cervical layers |
| **14** | Cervical regions I |
| **15** | Cervical regions II |
| **16** | FİNAL EXAM |
| **17** | MAKE-UP EXAM |

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| **OUTCOMES OF THE EDUCATION GIVEN BY INSTITUTUON OF DENTAL HEALTH SCIENCES** | | | | |
| **S/N** | **At the end of the course, students will be able to:** | **Never** | **Few** | **Many** |
| 1 | Sufficient knowledge in dental medicine; theoretical and practical knowledge in these areas, the ability to apply and model dental problems. |  |  | **🞫** |
| 2 | Ability to identify, define, formulate and solve dental problems by selecting and applying appropriate analysis and modeling methods. |  | **🞫** |  |
| 3 | Ability to design experiments, conduct experiments, collect data, analyze and interpret results for examining dental problems. |  | **🞫** |  |
| 4 | Ability to conduct individual studies, disciplinary and interdisciplinary teamwork. |  |  | **🞫** |
| 5 | Ability to communicate effectively in Turkish, both oral and written, and to use / develop foreign language skills. |  | **🞫** |  |
| 6 | Awareness of the need for lifelong learning; access to knowledge, ability to follow developments in science and technology, and self-renewal skills. |  |  | **🞫** |
| 7 | Awareness of professional and ethical responsibility. |  | **🞫** |  |
| 8 | Information on practices in business life such, project management and as risk management and change management; awareness about entrepreneurship, innovation and sustainable development. | **🞫** |  |  |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161119008 | COURSE NAME | Research Techniques and Presentation |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall | 2 | 0 | | 0 | |  | |  | COMPULSORY (x) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | | X | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | |
| **COURSE DESCRIPTION** | | | | | This course includes parametric and nonparametric tests in package programs and presentation in the research report, preparation of research project and protocol, preparation of information collection forms, preparation of research project and application, data summarization techniques and presentation, and power analysis, research design and research methods, establishment of hypotheses, determination of research variables and scales, criticizes scientific paper, research planning and research subject selection | | | | | | | |
| **COURSE OBJECTIVES** | | | | | This course purpose to explain planning scientific research, practise, control and analysing of data and techniques of writting scientific report, paper and thesis. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | This course contributes dentists upbringing can evaluate and using research information, read and understood scientific research. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Writting Scientific Paper with research techniques. | | | | | | | |
| **TEXTBOOK** | | | | | Özdamar, K. (2003). Modern Bilimsel Arastirma Yöntemleri. *Kaan Kitabevi, Eskisehir*.  Jackson, S. L. (2015). *Research methods and statistics: A critical thinking approach*. Cengage Learning. | | | | | | | |
| **OTHER REFERENCES** | | | | | Kim JS and Dailey RJ. Biostatistics for Oral Healthcare, Blackwell Munksgaard, a Blackwell Publishing Company, 2008. Beins, B. C., & McCarthy, M. A. (2012). Research methods and statistics. Pearson Education. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | theoretical / slide presentation | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Research Planning Stages in Health Field |
| 2 | Scientific Writing Criticism, Scientific Article Reading Principles, Evaluation and Classification of Researched Articles |
| 3 | Criteria in Health Investigations: Rate, Relative Risk, Odds Ratio, etc. |
| 4 | Population and sample, research methods and basic research arrays |
| 5 | Randomization and Blinding |
| 6 | Normal Distribution, Sampling Distribution, Central Limit Theory, |
| 7 | Formation of hypotheses |
| **8** | **Midterm Exam** |
| 9 | Power Analysis |
| 10 | Sampling Methods (Probability Sampling and Alternatives to Probability Sampling) |
| 11 | Parametric Hypothesis Testing and Presentation in the research report |
| 12 | Non-Parametric Hypothesis Testing and Presentation in the research report |
| 13 | Applications of Parametric and Non-Parametric Hypothesis Testing Methods with Package Programmes |
| 14 | Preparation of research project and protocol, Preparation of information collection forms |
| 15 | Research and Publication Ethics |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120007 | **COURSE NAME** | COMMUNITY ORAL DENTAL HEALTH |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| SPRING | 1 |  | |  | | 1 | | 2 | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Oral-dental health and relationship between oral-dental health and general health, prevention methods in oral-dental health, epidemiology and indexes using for community oral-dental health, community-based health programs, World Health Organization targets and atraumatic restorative treatment | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course aims to get information about the oral-dental health and community oral-dental health, and to gain the ability to community-based oral-dental health application programs. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The dental students learn about the prevention methods in oral-dental health by understanding the relationship between oral-dental health and general health. In additional, dental students develop the recommendations to improve the oral-dental health of the community and can apply for these programs by learning the targets of the World Health Organization. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Be able to describe the health, disease, public health and community oral-dental health  Be able to explain the prevention services in oral-dental diseases and to perform the applications of these methods  Be able to knowledge about the epidemiology of oral-dental health and to list the indexes using for community-based researches  Be able to list the all programs using for improving community oral-dental health and to perform all these programs  Be able to list the targets of World Health Organization about the oral-dental health and to explain the prevalence and severity of oral-dental diseases in Turkish children, and to asses treatment requirements  Be able to explain the treatment approaches of the oral-dental health in pregnancies, babies and geriatric patients | | | | | | | |
| **TEXTBOOK** | | | | | Gülden Ereş. Ağız Sağlığı Araştırmaları: Temel Metodlar. 4. baskı. Ankara Üniversitesi Diş Hekimliği Fakültesi Yayınları No:21.  Chestnutt IG. Dental Public Health at a Glance. Wiley-Blackwell; 2016.  Detels R, Beaglehole R, Lansang MA, Gulliford M. Oxford Textbook of Public Health. 5th Ed. Oxford University Press,; 2011.  Marya CM. A Textbook of Public Health Dentistry. Jaypee; 2011.  Krishna M, Dasar PL. Principles and Practice of Public Health Dentistry. Jaypee; 2010.  Pine CM, Harris R. Community Oral Health. Quintessence Pub., 2007.  Hiremath SS. Textbook of Preventive and Community Dentistry. Elsevier India; 2006.  Gluck GM, Morganstein WM. Jong's Community Dental Health. 5th ed. Mosby; 2002.  Rahmatulla M, Frencken JE. Management of Dental Caries Through the Atraumatic Restorative Treatment (ART) Approach. Jaypee; 2000. | | | | | | | |
| **OTHER REFERENCES** | | | | | Newman MG. Takei HH, Klokkevold PR, Carranza FA. Carranza’s Clinical Periodontology. 20th ed. Saunders; 2014.  Casamassimo PS, Henry W. Fields Pediatric Dentistry: Infancy through Adolescence. Saunders; 2012.Dean JA, Avery DR, Mc Donald RE. Dentistry for the Child and Adolescent. 9th ed. Mosby; 2011.  Koch G, Poulsen S. Çocuk Dişhekimliğine Klinik yaklaşım. 2nd ed. Medya yayın grubu; 2009. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | The equipments for the computer supported education | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | INTRODUCTION to COMMUNITY ORAL-DENTAL HEALTH |
| 2 | RELATIONSHIP BETWEEN ORAL-DENTAL HEALTH and GENERAL HEALTH |
| 3 | ORAL-DENTAL HEALTH and EPIDEMIOLOGY |
| 4 | PRIMARY- SECONDARY-TERTIARY PREVENTION on the ORAL-DENTAL HEALTH SERVICES |
| 5 | INDEXES USING for COMMUNITY ORAL-DENTAL HEALTH |
| 6 | INDEXES USING for PERIODONTOLOGY |
| 7 | PLANNING and IMPLEMENTATION of the PROGRAM to IMPROVE the COMMUNITY ORAL-DENTAL HEALTH |
| 8 | SCHOOL-BASED ORAL-DENTAL HEALTH PROGRAMS |
| 9 | WORLD HEALTH ORGANIZATION TARGETS, ORAL and DENTAL HEALTH in CHILDREN in TURKEY and in the WORLD |
| 10 | **MID-TERM EXAM** |
| 11 | **MID-TERM EXAM** |
| 12 | **PUBLIC HOLIDAY** |
| 13 | **PUBLIC HOLIDAY** |
| 14 | ORAL-DENTAL HEALTH in PREGNANCY |
| 15 | ORAL-DENTAL HEALTH in BABIES |
| 16 | ORAL-DENTAL HEALTH in GERIATRIC PATIENTS |
| 17 | ATRAUMATIC RESTORATIVE TREATMENT |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 1611120008 | **COURSE NAME** | PSYCHIATRY |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| SPRING | 1 |  | |  | | 1 | | 2 | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | |  | 50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Mental Health in Dentistry Practise | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To ensure dentistry students to recognize psychiatric disorders | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | |  | | | | | | | |
| **COURSE OUTCOMES** | | | | |  | | | | | | | |
| **TEXTBOOK** | | | | | Dentistry students would achieve the ability of problem-solving when they meet patients with psychiatric disorders at the end of course. | | | | | | | |
| **OTHER REFERENCES** | | | | | DePiano F, Ayer W, Jr. Psychology and Dentistry: Mental Health Aspects of Patient Care. Binghamton, NY:The Haworth Press, 2005 American Psychiatric Association. Diagnostic and Statistical Manual of Mental Disorders, 5th ed. Washington, DC: American Psychiatric Publishing, Inc., 2013Öztürk MO, Uluşahin A. Ruh Sağlığı ve Bozuklukları. 13. Baskı, Ankara: Nobel Tıp Kitapevleri; 2015 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | |  | | --- | | Psychiatry: Introduction – Ali Ercan ALTINÖZ | | Psychiatric Symptoms and Semiology – Gülcan GÜLCEÇ | | Mood Disorders - Çınar YENİLMEZ | | Schizophrenia and other psychotic disorders - Ferdi KÖŞGER | | Psychosomatic Disorders - Ali Ercan ALTINÖZ | | Alcohol and Substance Use Disorder - Gülcan GÜLEÇ | | Anxiety Disorders - Gökay Aksaray | | Dental Anxiety and Dental Fear – Gökay Aksaray | | Bruxism and its’ Psychiatric Treatment – Gökçen YILMAZ KARAMAN | | Doctor Patient Relationship & Deliviring News- Ali Ercan ALTINÖZ | | Personality Disorders - Çınar YENİLMEZ | | Eating Disorders – Ali Ercan ALTINÖZ |   Psychiatric Treatments - Ferdi Köşger |
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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120009 | **COURSE NAME** | FORENSIC MEDICINE and  FORENSIC DENTISTRY |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Spring | 1 | - | | - | | 1 | | 2 | COMPULSORY (x) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
| - | | | 1 | | | | - | | | | - | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 50 | |
| 2nd Mid-Term | | | | | - | - | |
| Quiz | | | | | - | - | |
| Homework | | | | | - | - | |
| Project | | | | | - | - | |
| Report | | | | | - | - | |
| Others (………) | | | | | - | - | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | Have to be successful in 4th class | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Medical Forensic Sciences | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is that the student will be able to recognize concepts of forensic medicine and dentistry, to know the responsibility in clinical practice and forensic investigations. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The student will take general evaluation of forensic cases in the clinic, describe the findings in the light of the causes, carry out the responsibilities as a dentist on the reporting according to the basic legal principles. | | | | | | | |
| **COURSE OUTCOMES** | | | | | The student will;  \* Recognize the forensic case  \* Examine in forensic cases  \* Determine the causes of the cases  \* Report the findings. | | | | | | | |
| **TEXTBOOK** | | | | | 1. Abubekir Harorlı, Adli Diş Hekimliği, 1.baskı, Erzurum 2006. 2. Hüseyin Afşin (Ed)., Adli Diş Hekimliği, 1. Baskı, İstanbul 2004. | | | | | | | |
| **OTHER REFERENCES** | | | | | 3-Özkalıpçı Ö, Şahin Ü, Baykal T, Fincancı ŞK, Akhan O, Öztop F, Lök V. Atlas of Torture, İstanbul 2007.  4- Current article | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | White board, computer | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | The Forensic Sciences, Forensic Medical Sciences, Forensic Dentistry  Structuring of Forensic Medicine in Our Country  **(Assoc. Prof. Dr. Kenan Karbeyaz)** |
| 2 | Matter of Competence of Dental Students, Damages Caused by Injections in Dental  Education **(Assoc. Prof. Dr. Kenan Karbeyaz)** |
| 3 | Dead, Postmortem Changes and Legal Rules in Forensic Autopsy  **(Assoc. Prof. Dr. Kenan Karbeyaz)** |
| 4 | Wounds and Legal Concepts Related To Wounds **(Assoc. Prof. Dr. Kenan Karbeyaz)** |
| 5 | Crimes to Sexual Immunity and The Role of Dentist in Diagnosis **(Assoc. Prof. Dr.**  **Kenan Karbeyaz)**  The Role of Dentist in Determination and Prevention of Child Abuse **(Assoc. Prof.**  **Dr.Kenan Karbeyaz)** |
| 6 | Forensic Report  Making Reports in Forensic Dentistry  Expertness and The Behaviour of Dentist in Court As An Expert (**Assoc. Prof.**  **Dr. Kenan Karbeyaz)** |
| 7. & 8. | **MID-TERM EXAMINATIONS** |
| 9 | Firearm Injuries (**Assoc. Prof. Dr. Kenan Karbeyaz)** |
| 10 | Forensic Psychiatry and Forensic Toxicology in Dentistry **(Assist. Prof. Dr. Esra**  **YEŞİLOVA)** |
| 11 | Torture Findings in Dental and Oral Tissues **(Assist. Prof. Dr. Esra YEŞİLOVA)** |
| 12 | Age Determination in Forensic Dentistry **(Assist. Prof. Dr. Esra YEŞİLOVA)** |
| 13 | Personal Identification, Personal Identification From Teeth and The Role of Dentist  in Mass Disasters **(Assist. Prof. Dr. Esra YEŞİLOVA)** |
| 14 | Oral and Dental Trauma In the View of Forensic Dentistry **(Assist. Prof. Dr. Esra**  **YEŞİLOVA)** |
| 15 | **FINAL EXAM** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120010 | **COURSE NAME** | Medical Criminal Law |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Spring | 1 |  | |  | | 1 | | 2 | COMPULSORY () ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | |  | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 40 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 60 | |
| **PREREQUIEITE(S)** | | | | | N/A | | | | | | | |
| **COURSE DESCRIPTION** | | | | | the rights and obligations of patients and health personnel and in case of violation of rights or obligations should neglect, breach of the law occur in the future are the subjects of this lecture. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The rights and obligations of the candidates for the dentist and to ensure they are knowledgeable about the legal issues to be concerned in case of violation . | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | In this course, students will do right and they will learn the process while performing their professional obligations they have less hesitation. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students of the violation of their rights and obligations after taking the course will have the knowledge to understand the provisions in the rule of law. | | | | | | | |
| **TEXTBOOK** | | | | | Hakan Hakeri, Tıp Hukuku, Ankara 2015. | | | | | | | |
| **OTHER REFERENCES** | | | | | Hakan HAKERİ, Tıp Hukuku | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | health law legislation | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Concept of Medical Criminal Law, The Evaluation of Medical Intervention with regard to Criminal Law, |
| 2 | Patient rights |
| 3 | Rights of health care personnel |
| 4 | The Evaluation of Medical Intervention with regard to Criminal Law and the concept of malpractice |
| 5 | Crimes can be rendered by health care personnel |
| 6 | Crimes can be rendered by health care personnel |
| 7 | Crimes can be rendered by health care personnel |
| 8 | The legal basis of the doctor-patient relationship in public and private hospitals and trial process |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. |  |  | **x** |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. |  |  | **x** |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  |  | **x** |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  |  | **x** |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **x** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  | **x** |  |
| 7 | Consciousness of professional and ethic responsibility | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  |  | **x** |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120003 | **COURSE NAME** | Restorative Dentistry 4 |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
|  | 1 |  | |  | |  | |  | COMPULSORY x ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | x | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | %50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | %50 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Treatment of advanced cases in restorative denistry | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To teach advanced restorative treatments | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Student passing this course will have know how to treat advanced cases and treatments | | | | | | | |
| **COURSE OUTCOMES** | | | | | Student passing this course will have know how to treat advanced cases and treatments | | | | | | | |
| **TEXTBOOK** | | | | | 1. Theodore Roberson, Harold O. Heymann, and Edward J. Swift "Sturdevants The Art and Science of Operative Dentistry"  2. Ole Fejerskov, Edwina Kidd, "Dental Caries: The Disease and its Clinical Management"  3. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 1: Contemporary Clinical Practice",  4. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 2: Challenges of the Future" 5. Greenwall, Linda. “Bleaching Techniques in Restorative Dentistry An Illustrated Guide.“ | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Kenneth J. Anusavice "Phillips Science of Dental Materials"  2. John M. Powers , Ronald L. Sakaguchi, "Craig's Restorative Dental Materials”  3. William J. OBrien, "Dental materials and their selection"  4. Hugh Devlin "Operative Dentistry, A pratical guide to recent innovations"  5. Dayangaç, G.B., "Kompozit rezin restorasyonlar 6. J.B. Summitt, J.W. Robbins, T.J. Hilton, R.S. Schwartz, "Fundamentals of Operative Dentistry"7. Albers HF. "Tooth-colored restoratives: Principles and techniques” | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Computer, projector, internet connection | | | | | | | |

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| **COURSES SYLLABUS** | | |
|
| **DATE** | **INSTRUCTORS** | **DERSLER** |
| 01.02.2021 | Asist.Prof. Hatice Tepe | Introduction of dental adhesives restorations with endodontic treated tooth |
| 08.02.2021 | Asist.Prof. Hatice Tepe | Dental adhesives restorations with endodontic treated tooth- Posts |
| 15.02.2021 | Asist.Prof. Hatice Tepe | Dental adhesives restorations with endodontic treated tooth- Posts |
| 22.02.2021 | Prof. Dr Batu Can Yaman | Indirect Dental Restorations- Inlays |
| 01.03.2021 | Prof. Dr Batu Can Yaman | Indirect Dental Restorations- Onlays |
| 08.03.2021 | Prof. Dr Batu Can Yaman | Dental Veneer Restorations-Indirect |
| 15.03.2021 | Asist.Prof. Hatice Tepe | Tooth Shade Selection of the Restorations |
| 22.03.2021 | Prof. Dr Batu Can Yaman | Direct Posterior Dental Restorations |
| 29.03.2021 | Asist.Prof. Hatice Tepe | Diastemia Closure |
| 05-16.04.2021 |  |  |
| 05-16.04.2021 |  |  |
| 19.04.2021 | Asist.Prof. Hatice Tepe | Diastemia Closure |
| 26.04.2021 | Asist.Prof. Hatice Tepe | Diastemia Closure |
| 03.05.2021 | Asist.Prof. Hatice Tepe | Full Esthetic Restorations |
| 10.05.2021 | Asist.Prof. Hatice Tepe | Adhesive Bridges |
| 17.05.2021 | Asist.Prof. Hatice Tepe | Case Report |
| 24.05.2021 | Prof. Dr Batu Can Yaman | Case Report |
| 31.05.2021 | Prof. Dr Batu Can Yaman | Case Report |
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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161119009 | **COURSE NAME** | Digital Dentistry |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| FALL | 1 |  | |  | | 1 | | 2 | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Digital Dentistry Applications | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To teach digital-based dentistry applications  To ensure the students have the knowledge on applications of the latest technological developments in the profession of dentistry  To improve experiences of dental students on digital dentistry applications | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | To teach the current applications of dental practice | | | | | | | |
| **COURSE OUTCOMES** | | | | | Knows the hardware and software components in digital dentistry  Knows restorative applications in digital dentistry  Knows prosthetic applications in digital dentistry  Knows orthodontic applications in digital dentistry  Knows smile design applications in digital dentistry | | | | | | | |
| **TEXTBOOK** | | | | | Clinical Applications of Digital Dental Technology. Radi Masri, Carl F. Driscoll, John Wiley & Sons, Inc. 2015. | | | | | | | |
| **OTHER REFERENCES** | | | | | Digital Dental Revolution: The Learning Curve. Agnini Alessandro, Agnini Andrea, Coachman, Christian. Quintessence Publishing 2015. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | - | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | **Introduction to Digital Dentistry**  - Hardware and Software Components |
| 2 | **Data Acquisition in Digital Dentistry**  - Radiological Imaging  - Optical Scanning |
| 3 | **Manufacturing Technologies in Digital Dentistry**  - Milling manufacturing technologies  - 3D printing technologies |
| 4 | **Restorative applications in digital dentistry I** |
| 5 | **Restorative applications in digital dentistry II** |
| 6 | **Restorative applications in digital dentistry III** |
| 7 | **Restorative applications in digital dentistry IV** |
| 8 | **Prosthodontic applications in digital dentistry I** |
| 9 | **Prosthodontic applications in digital dentistry II** |
| 10 | **Prosthodontic applications in digital dentistry III** |
| 11 | **Prosthodontic applications in digital dentistry IV** |
| 12 | **Orthodontic applications in digital dentistry** |
| 13 | **Smile design applications in digital dentistry I** |
| 14 | **Smile design applications in digital dentistry II** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120019 | **COURSE NAME** | ORTHODONTICS INTERNSHIP II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| FALL SPRING |  | 19 | |  | | 2 | | 2 | COMPULSORY (x) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  |  | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 100 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Planning, construction and application of removable orthodontic appliances. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Identifiying and learning of basic orthodontic appliance construction and applying the to the patient. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Distinguish the patient with orthodontic disorders, construct the basic removable appliance and apply to the patient. | | | | | | | |
| **COURSE OUTCOMES** | | | | | To have knowledge about the clinical treatment methods used in orthodontics.  To know indications of the basic orthodontic appliance and understand the laboratory procedures and apply to the patient | | | | | | | |
| **TEXTBOOK** | | | | | William R. Proffit, Henry W. Fields, David M. Sarver. Contemporary Orthodontics, Mosby, St. Louis, 2007. | | | | | | | |
| **OTHER REFERENCES** | | | | | Nakajima E. Manual of wire bending techniques, Quintessence,2010. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | |  | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Learning of orthodontic clinical operation |
| 2 | Learning the materials used in orthodontic clinics |
| 3 | Understanding orthodontic diagnosis in clinic |
| 4 | Understanding the process of orthodontic patients diagnose material collection |
| 5 | Impression, construction process and applying of removable space maintainer |
| 6 | Impression, construction process and applying of removable space maintainer |
| 7 | Impression, construction process and applying of fixed space maintainer |
| 8 | Impression, construction process and applying of fixed space maintainer |
| 9 | Impression, construction process and applying of removable maxillary slow expansion appliance |
| 10 | Impression, construction process and applying of removable maxillary slow expansion appliance |
| 11 | Impression, construction process and applying of removable maxillary slow expansion appliance |
| 12 | Impression, construction process and applying of removable mandibular slow expansion appliance |
| 13 | Impression, construction process and applying of removable mandibular slow expansion appliance |
| 14 | Impression, construction process and applying of removable mandibular slow expansion appliance |
| 15 | Impression, construction process and applying of removable maxillary labio-lingual spring appliance |
| 16 | Impression, construction process and applying of removable maxillary labio-lingual spring appliance |
| 17 | Impression, construction process and applying of removable maxillary mesio-distal spring appliance |
| 18 | Impression, construction process and applying of removable maxillary mesio-distal spring appliance |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **X** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. |  |  | **X** |
| 7 | Consciousness of professional and ethic responsibility |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120020 | **COURSE NAME** | Restorative Dentistry Intership II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall/Spring |  | X | |  | |  | |  | COMPULSORY (x ) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  |  | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (Clinical works) | | | | | 1 | 50 | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | - | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Restorative dentistry “Clinical practice” | | | | | | | |
| **COURSE OBJECTIVES** | | | | | This program aims to provide students with knowledge, understanding and skills in the scientific field of restorative dentistry. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | For each dentistry student, independent thinking and the ability to investigate their original work in the field to plan, manage and finalize the skills, attitudes and behavior and provide information and skills for serving society. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Students who have successfully completed this course will be able to teeth of patients. | | | | | | | |
| **TEXTBOOK** | | | | | 1. Theodore Roberson, Harold O. Heymann, and Edward J. Swift "Sturdevants The Art and Science of Operative Dentistry"  2. Ole Fejerskov, Edwina Kidd, "Dental Caries: The Disease and its Clinical Management"  3. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 1: Contemporary Clinical Practice",  4. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 2: Challenges of the Future"  5. Greenwall, Linda. “Bleaching Techniques in Restorative Dentistry An Illustrated Guide.“ | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Kenneth J. Anusavice "Phillips Science of Dental Materials"  2. John M. Powers , Ronald L. Sakaguchi, "Craig's Restorative Dental Materials”  3. William J. OBrien, "Dental materials and their selection"  4. Hugh Devlin "Operative Dentistry, A pratical guide to recent innovations"  5. Dayangaç, G.B., "Kompozit rezin restorasyonlar 6. J.B. Summitt, J.W. Robbins, T.J. Hilton, R.S. Schwartz, "Fundamentals of Operative Dentistry"7. Albers HF. "Tooth-colored restoratives: Principles and techniques” | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | List of clinical equipments declared interns before semester on official website of Dentistry faculty (http://dis.ogu.edu.tr/) | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Clinical Practice |
| 2 | Clinical Practice |
| 3 | Clinical Practice |
| 4 | Clinical Practice |
| 5 | Clinical Practice |
| 6 | Clinical Practice |
| 7 | Clinical Practice |
| 8 | Clinical Practice |
| 9 | Clinical Practice |
| 10 | Clinical Practice |
| 11 | Clinical Practice |
| 12 | Clinical Practice |
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| 27 | Clinical Practice |
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| 32 | Clinical Practice |
| 33 | Clinical Practice |
| 34 | Clinical Practice |
| 35 | Clinical Practice |
| 36 | Clinical Practice |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  |  | **X** |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility |  | **X** |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. |  | **X** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120021 | **COURSE NAME** | PROSTHODONTICS INTERNSHIP II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | | **COURSE OF** | | | | | |
| **Theory** | | **Practice** | **Labratory** | | | **Credit** | **EC TS** | **TYPE** | | **LANGUAGE** | |
| Fall-  Spring |  | | 20 |  | | | 4 | 5 | COMPULSORY (X ) ELECTIVE ( ) | | TURKISH | |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | **Clinical Science** | | | | **Social Science** | | | | | **Elective** | |
|  | | x | | | |  | | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
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| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 100 | |
| **PREREQUIEITE(S)** | | | | |  | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Teaching Oral cavity, teeth and dental structures and missing teeth as prosthetic rehabilitation. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Besides learning the morphological characteristics of the teeth and oral cavity, general information regarding the implementation of prosthetic teeth provide operations on patients | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | |
|  | Understanding the factors in the anatomical and prosthetic rehabilitation of dental prostheses without damaging the prosthetic patient | | | | | |  |
| **COURSE OUTCOMES** | | | | | The completion of the single missing teeth in prosthodontics need multiple missing teeth in either fixed or removable denture with what should happen on that teaches patients to be rehabilitated  Hand tools and materials used in the prosthesis laboratory stage with theoretical and technical characteristics, as well as will be learned by practice of the manipulation. | | | | | | | |
| **TEXTBOOK** | | | | | 1. Prof Dr Senih Çalıkkocaoğlu Bölümlü Protezler . 2. Prof Dr Senih Çalıkkocaoğlu Tam Protezler 3. Herbert T. Shillingburg (Author), David A. Sather Jr. (Author),   Edwin L. Wilson Jr. (AuthorFundamentals of Fixed Prosthodontics 4th Edition | | | | | | | |
| **OTHER REFERENCES** | | | | | 1. Contemporary Fixed Prosthodontics by Stephen F. Rosenstiel  BDS MSD | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | THEORETİCAL: Computer aided projection, whiteboards    PRACTICE: Aerator and micromotor handpiece, which according to various diameters and lengths drills plenty, spatula, the cook, crochet pliers | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Clinical Practice |
| 2 | Clinical Practice |
| 3 | Clinical Practice |
| 4 | Clinical Practice |
| 5 | Clinical Practice |
| 7 | Clinical Practice |
| 8 | Clinical Practice |
| 9 | Clinical Practice |
| 10 | Clinical Practice |
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| 28 | Clinical Practice |
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| 30 | Clinical Practice |
| 31 | Clinical Practice |
| 32 | Clinical Practice |
| 33 | Clinical Practice |
| 34 | Clinical Practice |
| 35 | Clinical Practice |
| 36 | Clinical Practice |

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| 1 | Understanding the basic concepts of dental and learning skills | **x** |  |  |
| 2 | To benefit from learning these basic materials used in dental prostheses and especially about gaining the ability to process them | **x** |  |  |
| 3 | Knowing the skills to carry them prothesis general morphology of the teeth | **x** |  |  |
| 4 | The ability to effectively utilize the tools and materials used in the prosthesis laboratory | **x** |  |  |
| 5 | The general framework of the dental profession; rights, powers and responsibilities |  | **x** |  |
| 6 | Self-study, disciplinary and interdisciplinary teamwork ability | **x** |  |  |
| 7 | Turkish oral and written ability to use body language and vocational skills to communicate effectively in practice |  | **x** |  |
| 8 | Awareness of the need for lifelong learning; Access to knowledge, science and technology developments in the monitoring and continuous self-renewal ability | **x** |  |  |
| 9 | Professional and ethical responsibility |  | **x** |  |
| 10 | About its effects on health and the environment on a global and societal dimensions of the dental practice; about national and international regulations and standards and awareness of the legal implications of medical practice |  | **x** |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | |  |  | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120022 | **COURSE NAME** | Clinical Endodontics II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall/Spring | - | 19 | |  | | 2 | | 2 | COMPULSORY (x ) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  |  | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (Clinical works) | | | | | 1 | 50 | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | Previous courses of 7th and 8th semester must successfully completed | | | | | | | |
| **COURSE DESCRIPTION** | | | | | “Clinical practice II” of the root canal treatment | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The intern should be able to perform RCT in the presence of pulpal diseases on patients. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Intern performs root canal treatment on molar teeth of patient. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Intern having this course will be able to perform root canal treatment on molar teeth of patients after endodontic examination and diagnosis. | | | | | | | |
| **TEXTBOOK** | | | | | 1.Selmin Kaan Aşçı, Endodonti, 2014 | | | | | | | |
| **OTHER REFERENCES** | | | | | 1.Tayfun Alaçam, Endodonti, 2000  2.Mehmet Kemal Çalışkan, Endodontide Tanı ve Tedaviler, 2006  3.Stephen Cohen, Kenneth M Hargreaves, Pathways of the Pulp, Ninth Edition, 2009  4. Arnaldo Castellucci, Endodontics; 2005  5.Johnson William T. Color Atlas of Endodontics  6. Ingle Bakland Baumgartner, Ingle’s Endodontics, fifth edition, 2002 | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | List of clinical equipments declared interns before semester on official website of Dentistry faculty (<http://dis.ogu.edu.tr/)> and “Guide for Internship in Endodontic Clinical Practice II” prepared by department of Endodontics. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Clinical Practice |
| 2 | Clinical Practice |
| 3 | Clinical Practice |
| 4 | Clinical Practice |
| 5 | Clinical Practice |
| 6 | Clinical Practice |
| 7 | Clinical Practice |
| 8 | Clinical Practice |
| 9 | Clinical Practice |
| 10 | Clinical Practice |
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| 27 | Clinical Practice |
| 28 | Clinical Practice |
| 29 | Clinical Practice |
| 30 | Clinical Practice |
| 31 | Clinical Practice |
| 32 | Clinical Practice |
| 33 | Clinical Practice |
| 34 | Clinical Practice |
| 35 | Clinical Practice |
| 36 | Clinical Practice |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Able to have systemic and oral anamnesis after graduation | **X** |  |  |
| 2 | Ability of making endodontic examination and diagnosing | **X** |  |  |
| 3 | Able to perform basic endodontic treatment if there is pulpal or periapical disease | **X** |  |  |
| 4 | Ability of consulting the patient with an endodontist or oral surgeon | **X** |  |  |
| 5 | Ability of having personal training or interdisciplinary/multidisciplinary training |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |
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| **COURSE CODE** | 161120023 | **COURSE NAME** | DENTOMAXILLOFACIAL  RADIOLOGY INTERNSHIP-II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | **LANGUAGE** |
| Fall/Spring | - | 19 | | - | | 2 | | 2 | COMPULSORY (X) ELECTIVE ( ) | | TURKISH |
| **COURSE CATEGORY** | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | **Social Science** | |
| - | | | - | | | | X | | | - | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | - | - | |
| 2nd Mid-Term | | | | - | - | |
| Quiz | | | | 1 | 10 | |
| Homework | | | | 1 | 10 | |
| Project | | | | - | - | |
| Report | | | | - | - | |
| Others (Clinical Practice Order) | | | | 1 | 20 | |
| **FINAL EXAM** | | | | |  | | | | 1 | 60 | |
| **PREREQUIEITE(S)** | | | | | Have to be successful in fourth class | | | | | | |
| **COURSE DESCRIPTION** | | | | | Clinical evaluation and treatment planning | | | | | | |
| **COURSE OBJECTIVES** | | | | | The aim of this course is that the student will be able to apply the process of examination of the patient, evaluation of the status of the patient, diagnosis of the disease and constitution of treatment planning to clinical practice comprehensively before the graduation. | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The students will take history of all patients that met in clinic, demand medical and dental consultation of patients, respond to the demanded consultations, interpret the radiographic images, investigate the laboratuary and biopsy results, make diagnosis and constitute treatment planning in the light of all data. | | | | | | |
| **COURSE OUTCOMES** | | | | | The student will;  \*Describe the history, complaint, referral and consultation  \*List the questions of medical history  \*Recognize the drugs and the possible complications in dental management  \*Describe oral pathologies  \*Acquire the radiographic images and interpret them  \*Describe the treatment planning | | | | | | |
| **TEXTBOOK** | | | | | 1-Bilge OM, Akgül HM, Dağıstan S. Diş Hekimliğinde Muayene ve Oral Diagnoz, Atatürk Üniversitesi Yayınları, Eser Ofset, 1. Baskı, Erzurum 2012.  2- Abubekir Harorlı (ed). Ağız, Diş ve Çene Radyolojisi, Nobel Tıp Kitabevi, İstanbul 2014.  3-Gawkrodger DJ(ed). Human Disease for Dentists, Blackwell Munksgaard, 2004. | | | | | | |
| **OTHER REFERENCES** | | | | | 4-White SC, Pharoah MJ. Oral Radiology Principles and Interpretation, Mosby Elsevier, 6th ed., 2009.  5- Bricker SL, Langlais RP, Miller CS. Oral Diagnosis, Oral Medicine and Treatment Planning, Lea & Febiger, 2nd ed., USA 1994.  6- Whaites E. Essentials of Dental Radiography and Radiology, Churchill Livingstone Elsevier, 4th ed., 2007.  7- Scully C. Oral and Maxillofacial Medicine The Basis of Diagnosis and Treatment, Churchill Livingstone Elsevier, 2nd ed., China 2008.  8- Scully C. Medical Problems in Dentistry, Churchill Livingstone Elsevier, 6th ed., China 2010.  9- Current articles | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Dental unit, intra and extraoral dental radiographic machines, dental volumetric tomography, pulp vitality tester, anamnesis cards, computer, mirror, explorer, holding instrument, cotton, gloves, mask | | | | | | |

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| **COURSE SYLLABUS** | |
| **DAY** | **TOPICS** |
| 1 | Give oral and written information to the student about the clinic and the study design / Clinical practice |
| 2 | Clinical practice |
| 3 | Clinical practice |
| 4 | Clinical practice |
| 5 | Clinical practice |
| 6 | **QUIZ /** Clinical practice |
| 7 | Clinical practice |
| 8 | Clinical practice |
| 9 | Clinical practice |
| 10 | Clinical practice |
| 11 | Clinical practice |
| 12 | Clinical practice |
| 13 | Clinical practice |
| 14 | **PRESENTATION of HOMEWORK /** Clinical practice |
| 15 | Clinical practice |
| 16 | Clinical practice |
| 17 | Clinical practice |
| 18 | Clinical practice |
| 19 | **FINAL EXAM of INTERNSHIP** |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **X** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120024 | **COURSE NAME** | Oral and Maxillofacial Surgery Clinical Practice II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall/Spring |  | 38 | |  | | 4 | | 4 | COMPULSORY ( x) ELECTIVE ( ) | | | Turkish |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | |  |  | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 100 | |
| **PREREQUIEITE(S)** | | | | | No additional conditions are recommended. | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Surgical approach of the subjects of the benign and malignant pathological occurrences that may occur in the oral and peripheral region and orthognathic surgery are the content of the course. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | Be able to create a surgical point of view to the jaw and surrounding tissues | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The students will be taught how to solve the problems and the theoretical infrastructure will be provided in professional practice in Oral and Maxillofacial Surgery course. | | | | | | | |
| **COURSE OUTCOMES** | | | | | At the end of the course, all students will have a level of knowledge about the pathological formations and treatments of the jaw and surrounding tissues. | | | | | | | |
| **TEXTBOOK** | | | | | Ağız, Diş, Çene Hastalıkları ve Cerrahisi. Mustafa Türker, Şule Yücetaş. Atlas Kitapçılık, 1997, Ankara | | | | | | | |
| **OTHER REFERENCES** | | | | | Contemporary Oral and Maxillofacial Surgery. 6th ed. James Hupp, Myron R. Tucker, Edward Ellis III. Elsevier Inc, 2008, St. Louis, Missouri | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | There is no equipment required for the course. | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Single Rooted Tooth Extraction Practice |
| 2 | Single Rooted Tooth Extraction Practice |
| 3 | Single Rooted Tooth Extraction Practice |
| 4 | Single Rooted Tooth Extraction Practice |
| 5 | Single Rooted Tooth Extraction Practice |
| 6 | Single Rooted Tooth Extraction Practice |
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| 9 | Single Rooted Tooth Extraction Practice |
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| 16 | Single Rooted Tooth Extraction Practice |
| 17 | Multiple Rooted Tooth Extraction Practice |
| 18 | Multiple Rooted Tooth Extraction Practice |
| 19 | Multiple Rooted Tooth Extraction Practice |
| 20 | Multiple Rooted Tooth Extraction Practice |
| 21 | Multiple Rooted Tooth Extraction Practice |
| 22 | Multiple Rooted Tooth Extraction Practice |
| 23 | Multiple Rooted Tooth Extraction Practice |
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| 26 | Multiple Rooted Tooth Extraction Practice |
| 27 | Multiple Rooted Tooth Extraction Practice |
| 28 | Multiple Rooted Tooth Extraction Practice |
| 29 | Multiple Rooted Tooth Extraction Practice |
| 30 | Multiple Rooted Tooth Extraction Practice |
| 31 | Multiple Rooted Tooth Extraction Practice |
| 32 | Multiple Rooted Tooth Extraction Practice |
| 33 | Multiple Rooted Tooth Extraction Practice |
| 34 | Multiple Rooted Tooth Extraction Practice |
| 35 | Multiple Rooted Tooth Extraction Practice |
| 36 | Multiple Rooted Tooth Extraction Practice |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **x** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **x** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. | **x** |  |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **x** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **x** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **x** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **x** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **x** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120025 | **COURSE NAME** | PEDIATRIC DENTISTRY PRACTICE II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall/SPRING |  | 19 | |  | | 2 | | 2 | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The approach to pediatric patients, clinical and radiographical examination in children, preventive, restorative and endodontics treatments in the primary and immature permanent teeth, the space maintainers, treatment of dental trauma in primary and immature permanent teeth. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course aims to gain the ability to apply the approach to pediatric patients and management of dental anxiety, the clinical and radiographical examination methods, and the preventive, restorative and endodontics treatments in the primary and immature permanent teeth in pediatric clinic, the space maintainers, and the treatments of dental trauma in pediatric clinic. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The dental students can diagnose as a results of the clinical and radiographical examination in child patients and apply the preventive, restorative and endodontics treatments in the primary and immature permanent teeth and the space maintainers. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Be able to knowledge about the differences of the approach to pediatric patients and to perform the behavior management methods  Be able to perform the clinical and radiological intraoral examinations in children  Be able to knowledge about the caries formation and progression in children and to perform the diagnose  Be able to knowledge about the methods of caries prevention and to perform the applications of caries prevention  Be able to treated the white spot lesions and the caries of smooth surface and pit-fissure in the primary and immature permanent teeth  Be able to knowledge about the premature loss of primary teeth and to perform the diagnose  Be able to treated the premature loss of primary teeth  Be able to knowledge about the primary and immature permanent teeth needs to be endodontic treatment and to perform the diagnose  Be able to apply the endodontic treatments in the primary and immature permanent teeth  Be able to knowledge about the developmental disorders of primary and immature permanent teeth and to the diagnose  Be able to apply the treatments of developmental disorders of primary and immature permanent teeth  Be able to knowledge about the dental trauma in primary and immature permanent teeth and to perform the diagnose  Be able to apply the treatments of dental trauma in primary and immature permanent teeth | | | | | | | |
| **TEXTBOOK** | | | | | Tortop T, Tulunoğlu Ö. Çocuk Diş Hekimliği Bebeklikten Ergenliğe. 4.baskı. Atlas Kitapçılık; 2009.  Koch G, Poulsen S. Çocuk Dişhekimliğine Klinik yaklaşım. 2.baskı. Medya yayın grubu; 2009.  Andreasen JO, Bakland LK, Flores MT, Andreasen FM, Andersson L. Çeviri editörü Eden E. Travmatik Dental Yaralanmalar El Kitabı. Vestiyer Yayıncılık, İstanbul. 2014. | | | | | | | |
| **OTHER REFERENCES** | | | | | Mathewson RJ, Primosch, RE. Fundamentals of Pediatric Dentistry.3rd ed. Quintessence Publishing; 1995.  Laskaris G. Color Atlas of Oral Diseases in Children and Adolescent. Thieme; 2000.  Dean JA, Avery DR, Mc Donald RE. Dentistry for the Child and Adolescent. 9th ed. Mosby; 2010.  Cameron AC, Widmer RP. Handbook of Pediatric Dentistry Mosby;2013  Welbury RR, Duggal MS, Hosey MT. Pediatric Dentistry. 4th ed. Oxford University Press; 2012.  Casamassimo PS, Henry W. Fields Pediatric Dentistry: Infancy through Adolescence. Saunders; 2012. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Dental materials in pediatric dentistry, clinical materials, pediatric patient | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Diagnose and treatment prosedures in pediatric dentistry  1. The approach to pediatric patients and management of dental anxiety  2. Clinical and radiographical examination in pediatric patients  3. Preventive treatments in pediatric patients  4. Restorative treatments in the primary and immature permanent teeth  5. Endodontic treatments in the primary and immature permanent teeth  6. Space maintainers applications in the premature loss of primary teeth  7. Treatments of the dental trauma in the primary and immature permanent teeth  8. Treatments of the developmental disorders of primary and immature permanent teeth |
| 2 | Diagnose and treatment prosedures in pediatric dentistry  1. The approach to pediatric patients and management of dental anxiety  2. Clinical and radiographical examination in pediatric patients  3. Preventive treatments in pediatric patients  4. Restorative treatments in the primary and immature permanent teeth  5. Endodontic treatments in the primary and immature permanent teeth  6. Space maintainers applications in the premature loss of primary teeth  7. Treatments of the dental trauma in the primary and immature permanent teeth  8. Treatments of the developmental disorders of primary and immature permanent teeth |
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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| --- | --- | --- | --- |
| **COURSE CODE** |  | **COURSE NAME** | PEDIATRIC DENTISTRY PRACTICE II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Laboratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| FALL |  |  | |  | |  | |  | COMPULSORY (X) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 50 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 50 | |
| **PREREQUIEITE(S)** | | | | | None | | | | | | | |
| **COURSE DESCRIPTION** | | | | | The approach to pediatric patients, clinical and radiographical examination in children, preventive, restorative and endodontics treatments in the primary and immature permanent teeth, the space maintainers, treatment of dental trauma in primary and immature permanent teeth. | | | | | | | |
| **COURSE OBJECTIVES** | | | | | The course aims to gain the ability to apply the approach to pediatric patients and management of dental anxiety, the clinical and radiographical examination methods, and the preventive, restorative and endodontics treatments in the primary and immature permanent teeth in pediatric clinic, the space maintainers, and the treatments of dental trauma in pediatric clinic. | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | The dental students can diagnose as a results of the clinical and radiographical examination in child patients and apply the preventive, restorative and endodontics treatments in the primary and immature permanent teeth and the space maintainers. | | | | | | | |
| **COURSE OUTCOMES** | | | | | Be able to knowledge about the differences of the approach to pediatric patients and to perform the behavior management methods  Be able to perform the clinical and radiological intraoral examinations in children  Be able to knowledge about the caries formation and progression in children and to perform the diagnose  Be able to knowledge about the methods of caries prevention and to perform the applications of caries prevention  Be able to treated the white spot lesions and the caries of smooth surface and pit-fissure in the primary and immature permanent teeth  Be able to knowledge about the premature loss of primary teeth and to perform the diagnose  Be able to treated the premature loss of primary teeth  Be able to knowledge about the primary and immature permanent teeth needs to be endodontic treatment and to perform the diagnose  Be able to apply the endodontic treatments in the primary and immature permanent teeth  Be able to knowledge about the developmental disorders of primary and immature permanent teeth and to the diagnose  Be able to apply the treatments of developmental disorders of primary and immature permanent teeth  Be able to knowledge about the dental trauma in primary and immature permanent teeth and to perform the diagnose  Be able to apply the treatments of dental trauma in primary and immature permanent teeth | | | | | | | |
| **TEXTBOOK** | | | | | Tortop T, Tulunoğlu Ö. Çocuk Diş Hekimliği Bebeklikten Ergenliğe. 4.baskı. Atlas Kitapçılık; 2009.  Koch G, Poulsen S. Çocuk Dişhekimliğine Klinik yaklaşım. 2.baskı. Medya yayın grubu; 2009.  Andreasen JO, Bakland LK, Flores MT, Andreasen FM, Andersson L. Çeviri editörü Eden E. Travmatik Dental Yaralanmalar El Kitabı. Vestiyer Yayıncılık, İstanbul. 2014. | | | | | | | |
| **OTHER REFERENCES** | | | | | Mathewson RJ, Primosch, RE. Fundamentals of Pediatric Dentistry.3rd ed. Quintessence Publishing; 1995.  Laskaris G. Color Atlas of Oral Diseases in Children and Adolescent. Thieme; 2000.  Dean JA, Avery DR, Mc Donald RE. Dentistry for the Child and Adolescent. 9th ed. Mosby; 2010.  Cameron AC, Widmer RP. Handbook of Pediatric Dentistry Mosby;2013  Welbury RR, Duggal MS, Hosey MT. Pediatric Dentistry. 4th ed. Oxford University Press; 2012.  Casamassimo PS, Henry W. Fields Pediatric Dentistry: Infancy through Adolescence. Saunders; 2012. | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Dental materials in pediatric dentistry, clinical materials, pediatric patient | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Diagnose and treatment prosedures in pediatric dentistry  1. The approach to pediatric patients and management of dental anxiety  2. Clinical and radiographical examination in pediatric patients  3. Preventive treatments in pediatric patients  4. Restorative treatments in the primary and immature permanent teeth  5. Endodontic treatments in the primary and immature permanent teeth  6. Space maintainers applications in the premature loss of primary teeth  7. Treatments of the dental trauma in the primary and immature permanent teeth  8. Treatments of the developmental disorders of primary and immature permanent teeth |
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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. |  | **X** |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. |  | **X** |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |

**ESOGÜ Faculty of Dentistry**

**Course Information Form**

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| **CLASS** | 5 |

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| **COURSE CODE** | 161120026 | **COURSE NAME** | PERIODONTOLGY PRATİCE II |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | | | | | **COURSE OF** | | | | | | |
| **Theory** | **Practice** | | **Labratory** | | **Credit** | | **ECTS** | **TYPE** | | | **LANGUAGE** |
| Fall- Spring | - | 4 | |  | | 2 | | 2 | COMPULSORY (X ) ELECTIVE ( ) | | | TURKISH |
| **COURSE CATAGORY** | | | | | | | | | | | | |
| **Basic Science** | | | **Basic Medical Science** | | | | **Clinical Science** | | | | **Social Science** | |
|  | | |  | | | | X | | | |  | |
| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **MID-TERM** | | | | | **Evaluation Type** | | | | | **Quantity** | **%** | |
| 1st Mid-Term | | | | | 1 | 40 | |
| 2nd Mid-Term | | | | |  |  | |
| Quiz | | | | |  |  | |
| Homework | | | | |  |  | |
| Project | | | | |  |  | |
| Report | | | | |  |  | |
| Others (………) | | | | |  |  | |
| **FINAL EXAM** | | | | |  | | | | | 1 | 60 | |
| **PREREQUIEITE(S)** | | | | | NONE | | | | | | | |
| **COURSE DESCRIPTION** | | | | | Periodontal inspection, diagnosis, periodontal treatment plan, non-surgical periodontal treatment, observing | | | | | | | |
| **COURSE OBJECTIVES** | | | | | To evlauate the patients periodontal status, to recognize the periodontal instruments and use them appropriately, to adjust ideal working positions, to achieve plaque control and to propose good oral hygiene practices to the patients, to acquire efficient scaling and prophylaxis abilities | | | | | | | |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | | | | | Yes | | | | | | | |
| **COURSE OUTCOMES** | | | | | * Describe non-surgical mechanical periodontal therapy modalities * Know indications, contraindications and advantages and limitations of non-surgical mechanical periodontal therapy * Learn the basic instrumentations for non-surgical mechanical periodontal therapy modalities * Know local antibiotic delivery treatment options including the mechanism, indications, contraindications, advantages and limitations of local antibiotic delivery * Learn the basic instrumentation for local antibiotic delivery treatment * Learn the mechanism, when and what type(s) of systemic antibiotics are prescribed as an adjunct to periodontal therapy * Define primary and secondary occlusal trauma, how they affect periodontal health and how occlusal trauma can be detected and treated. * Learn about efficacy of root planning * Describe different steps in re-evaluation of initial non-surgical periodontal therapy | | | | | | | |
| **TEXTBOOK** | | | | | * Newman MG., Takei HH., Klokkevold PR., Carranza FA., 2006; Carranza's Clinical Periodontology, Tenth edition, WB Saunders Company . * Lindhe J., Lang NP., Karring T., 2008; Clinical Periodontology and Implant Dentistry, 5th Edition. Wiley-Blackwell. * Rateischak KH, Wolf HF. Çeviri Editörü: Prof. Dr. Gürhan ÇAĞLAYAN Çeviri: Yrd. Doç. Dr. Hasan HATİPOĞLU. 2007, Periodontoloji, 3. Baskı, Palme Yayıncılık Ankara. * Elsevier Saunders Co, Philedelphia, USA. Periodontoloji, Ataoğlu T, Gürsel M, 3.baskı, 1999, Damla Ofset AŞ. Konya, Türkiye. | | | | | | | |
| **OTHER REFERENCES** | | | | | * Periodontology 2000 * Journal of Periodontology * Journal of Clinical Periodontology * Journal of Periodontal Research | | | | | | | |
| **TOOLS AND EQUIPMENTS REQUIRED** | | | | | Note, Slideshow | | | | | | | |

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| **COURSE SYLLABUS** | |
| **WEEK** | **TOPICS** |
| 1 | Clinic Practice |
| 2 | Clinic Practice |
| 3 | Clinic Practice |
| 4 | Clinic Practice |
| 5 | Clinic Practice |
| 6 | Clinic Practice |
| 7 | Clinic Practice |
| 8 | Clinic Practice |
| 9 | Clinic Practice |
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| 11 | Clinic Practice |
| 12 | Clinic Practice |
| 13 | Clinic Practice |
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| 33 | Clinic Practice |
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| 36 | Clinic Practice |
| 37 | Clinic Practice |
| 38 | Clinic Practice |

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| **NO** | **PROGRAM OUTCOMES** | **3** | **2** | **1** |
| 1 | Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems. | **X** |  |  |
| 2 | Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods. | **X** |  |  |
| 3 | In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results. |  | **X** |  |
| 4 | Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence. | **X** |  |  |
| 5 | Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language. | **X** |  |  |
| 6 | Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement. | **X** |  |  |
| 7 | Consciousness of professional and ethic responsibility | **X** |  |  |
| 8 | Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development. | **X** |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. | | | | |