Ek-4

| **COURSE DESCRIPTION FORM** | |
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| **Course Code and Name** | DHF 450 PERİODONTOLOGY |
| **Course Semester** | Annual-(7-8.semesters) |
| **Catalogue Data of the Course (*Course Content*)** | Theoretical and practical applications of diagnosis and treatment of diseases in periodontology. |
| **Course Textbooks** | Carranza's Clinical Periodontology, Authors: Newman, Takei, Carranza; Saunders Publishing. |
| **Supplementary Textbooks** | "Clinical Periodontology And Implant Dentistry", Authors: Lindhe, Karring, Lang; Munksgaard, Copenhagen |
| **Credit (*ECTS*)** | 6 |
| **Prerequisites for the Course (*Attendance Requirements*)** | To be successful in DHF 350 Periodontology and DHF330 Oral Diagnosis and Radiology courses<br>Practical application of the course is an essentiality to success criteria.<br>In order to take the final exams of the course, it is obliged to complete the clinical applications and the stages of evaluation (treatment of gingivitis and periodontitis patients, whose number is determined as threshold)<br>The final exam consists of two stages (Practical + Theoretical). It is compulsory to enter both stages in order to create a success grade.<br>Attendance is mandatory. |
| **Course Type** | Compulsory Vocational / Technical Lesson |
| **Language of Instruction** | Turkish |
| **Course Objectives** | To have knowledge about surgical applications in the treatment of periodontal diseases, when they are needed and the biomaterials used.<br>Having knowledge about the biological, clinical and biomechanical evaluation of implant applications and complications and referral to the specialist when necessary. |
| **Course Learning Outcomes** | 1. To have knowledge and competency in educating patients related with oral hygiene procedures. To give the necessary information to the patients about the etiology of periodontal diseases and encourage them to bear their own responsibilities of their oral and dental health.<br>2. To have enough knowledge in basic principles of periodontal surgery and important anatomical landmarks that being required a special attention. To be sufficient enough to determine whether the patient needs for a further periodontal surgical operations and to refer them to a periodontist.<br>3. To have knowledge about the biomaterials used in the treatment of periodontal diseases.<br>4. To have sufficient knowledge about the diagnosis and treatment of furaction defects and to be competent in evaluating the indications and refer them to a periodontist when necessary.<br>5. To have sufficient knowledge about periodontal plastic and esthetic surgical techniques and to be competent in evaluating the indications and refer them to a periodontist when necessary.<br>6. To have a multidisciplinary perspective for evaluating the periodontal therapy combined with restorative, endodontic and orthodontic treatment approaches and to discuss the alternative solutions.<br>7. To perform biological, biomechanical and clinical evaluations in oral implant procedures; to have sufficient knowledge about treatment planning, prosthetic approaches and possible complications and to refer the patient to a periodontist when necessary.<br>8. To have sufficient knowledge about diagnosis and treatment of peri-implant diseases and to differentiate the necessary situations and refer them to a periodontist.<br>9. To evaluate the consequences of periodontal treatment , to be able to make a treatment plan for maintaining the periodontal health and establishing the supportive periodontal therapy. |

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| | 10. To follow the recent information and developments in dentistry and to use the knowledge when indicates.<br>11. To have the knowledge and ability to differentiate the pathological and healthy situations not only for periodontal diseases but also for general dentistry as well.<br>12. To attend the scientific meetings and congresses and to be able to express and to defend their own opinions on subjects. |
| **Instruction Method** *(Face-to-face, Distance education etc.)* | It is carried out face-to-face theoretically and clinical practice training. |
| **Weekly Schedule of the Course** | 1. week<br>Methods and Agents for Modifying the Host Response-<br>2 week<br>Introduction to Phase II Periodontal Therapy<br>Patient Psychology in Periodontology –<br>3.week<br>General Principles of Periodontal surgery-<br>4. week<br>Anatomical Structures in Periodontal Surgery-<br>Tobacco's impact of Periodontitis<br>5.week<br>Flap operations-<br>Suture Materials Used in Periodontology<br>6.week<br>Flap Technique for Pocket Elimination and Case Presentations -<br>7.week<br>Gingivectomy and Gingivoplasty-<br>Resective Osseous Surgery-<br>8. week<br>Regenerative Material Application<br>9.week<br>Surgical Treatment of Furcation Problems -<br>Root amputations-Hemisection/Bicuspidization, Tunnel Operations-<br>10.week<br>Periodontal Plastic and Estetic Surgery (Mucogingival Surgery Applications)<br>Soft tissue graft application ı- Frenetomi ve frenectomi-<br>11.week<br>Surgical treatment of gingival recessions -<br>Tissue Engineering in Periodontology-<br>12.week<br>Esthetic Contouring -<br>Treatment of Periodontal Tissue Injuries -<br>13.week<br>Recent Developments in Periodontal Surgery (Microsurgery-Laser) -<br>14.week<br>Preservation of periodontal and periimplant tissue health and supportive (maintenance) periodontal therapy - Phase III -<br>15.week<br>Periodontal Treatment Results -<br>Genetic Factors in Periodontal Disease -<br>16.week<br>Molecular Biology of Periodontal Diseases -<br>Periodontal Advanced Diagnostic Methods-Taking laboratory samples (saliva, blood and swab) under appropriate conditions and delivering them to the laboratory -Subgingival Sampling-Evaluation of Saliva Flow Rate-<br>17.week<br>Relationship between Restorative Treatments and Periodontology<br>18.week<br>Risk Assessment in the Development of Periodontal Diseases -<br>19.week<br>Endo-perio lesions<br>The Supplementary Role of Orthodontic Treatment -<br>20.week<br>Chemical plaque control in periodontology<br>Col sensitivity and treatments-Dentin Hypersensitivity- |

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| | 21.week<br>Splinting of mobile teeth<br>Case Presentations -I<br>22.week<br>Case Presentations-II<br>Biological Approach to Oral Implants<br>23.week<br>Clinical Approach and Evaluation of the Implant Patient<br>Biomechanics, Treatment Planning and Prosthetic Approaches in Implant Patients -<br>24.week<br>Evaluation of the Implant Patient with Diagnostic Imaging Techniques -<br>25.week<br>Dental Implant Applications<br>26.week<br>Plastic surgery of soft tissues around the implant<br>27.week<br>Implant Related Complications and Failures<br>28.week<br>Periimplant diseases<br>Non-surgical treatment of diseases around the implant-Surgical treatment of diseases around the implant<br><br>**CLINICAL PRACTICAL APPLICATIONS (5 Weeks)**<br><br>Clinical threshold assessment:<br>Within 5 weeks of clinical practice<br>- Treatment of at least 10 patients diagnosed with gingivitis<br>- Treatment of at least 8 patients diagnosed with periodontitis<br>- Following the treatment protocols completely and using the treatment sessions effectively during clinical practice<br>- Patients diagnosed with gingivitis should be treated for a minimum of 2 sessions, and patients diagnosed with periodontitis for a minimum of 4 sessions.<br>Clinical performance evaluation:<br>- Filling the clinical practice book of each patient completely,<br>- Following the current clinical protocols in the clinical index records to be taken from the patients (such as plaque and gingival bleeding index, periodontal pocket depth measurements, clinical attachment level), complete clinical index records at the beginning, and end of the treatment,<br>- Marking intraoral findings (mobility, furcation, bone defects) in patients with periodontitis<br>-All names and signatures must be complete and completed within the clinical application period. Patient care in the clinic will not be allowed after the specified clinical application period is completed.<br>- Filling out the patient transaction papers completely and legibly and delivering them to the clinic officers on time.<br>- Filling out the summary patient charts of the clinical practice books correctly and submitting them on time (within the first 2 working days following the end of the clinical application period) together with only the digital reports belonging to the “clinical application dates” and not to be lost.<br>-Clinical application book records and digital student report card printouts to be compatible<br>-Compliance with general clinical order and sterilization protocols<br>- Being sensitive about patient appointments.<br>- Paying attention to the maintenance, order and cleaning of the unit and hand instruments being worked on,<br>- Being attentive in communication with faculty members, patients and clinical staff |
| **Teaching Activities**<br>*(The time spent for the activities listed here will determine the amount of credit required)* | Weekly theoretical course hours: 2 hours<br>Weekly practical course hours: 20 hours<br>Reading activities<br>Internet search and library work<br>Designing and implementing materials<br>Making a report<br>Preparing and making presentations |

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| | Midterm and revision for midterm: 2 hours<br>Final exam and revision for final exam: 2 hours |

**Assessment Criteria**

| | Number(s) | Weight (%) |
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| Midterm exam | 2 | 30 |
| Assignment | | |
| Application | | |
| Project | | |
| Practice (Clinical threshold 50%, Performance 50%) | 1 | 20 |
| Quiz | 1 | 10 |
| Final exam (50% Teorical, 50% Practical) | 1 | 40 |
| Total | 5 | 100 |

**Workload of the Course**

| Activity | Number of Weeks | Duration (Weekly Hour) | End of Semester Total Workload |
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| Weekly theoretical course hours | 28 | 2 | 56 |
| Weekly practical course hours | 5 | 20 | 100 |
| Reading activities | | | |
| Internet search and library work | | | |
| Designing and implementing materials | | | |
| Making a report | | | |
| Preparing and making presentations | | | |
| Midterm and revision for midterm | 2 | 1 | 2 |
| Final exam and revision for final exam | 1 | 2 | 2 |
| Total workload | | | 160/25 |
| Total workload/ 25 | | | 6.4 |
| Course Credit (ECTS) | | | 6 |

**Contribution Level between Course Outcomes and Program Outcomes**

| No | Program Outcomes | 1 | 2 | 3 | 4 | 5 |
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| 1 | Knows the normal structures and functions of the human body and specifically the structures and teeth in the mouth area on the basis of cells, tissues, organs and systems and their interactions with each other. | | | | | X |
| 2 | Defines the causes and formation mechanisms of oral, dental and jaw diseases, the findings they cause, structural and functional disorders and how they affect the organism. | | | | | X |
| 3 | Knows, understands, correlates, and evaluates the symptoms and findings in the national core education program of dentistry and Gazi | | | | | X |

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| | | | University Faculty of Dentistry Extended Education Program, diseases and conditions and professional practices at a determined level. | | | | | | |
| | | 4 | Knows to reach the best current scientific evidence in line with personal learning needs, and to evaluate its reliability and validity. | | | | | X | |
| | | 5 | Knows the legislation on professional legal responsibilities, deontology and ethical principles.. | | | | x | | |
| | | 6 | Knows and performs the professional practices in the national core education program of dentistry and Gazi University Faculty of Dentistry Extended Education Program. | | | | | X | |
| | | 7 | Conducts diagnosis, treatment and follow-up processes by prioritizing evidence-based practice, critical thinking and ethical principles. | | | | | X | |
| | | 8 | Aware of its limitations, puts personal learning goals to support professional development, guide the patient to the appropriate center when necessary. | | | | | X | |
| | | 9 | Knows the prevalence of diseases in the mouth, teeth and jaws in the society, contributes to prevention and reduction. | | | | | X | |
| | | 10 | While practicing his/her profession independently, he/she acts in accordance with the laws, regulations, legislation and ethical principles regarding his/her duties and responsibilities. | | | | X | | |
| | | 11 | Has teamwork and leadership skills, and becomes a role model for colleagues and society. | | | | | X | |
| | | 12 | Plans personal professional development and realizes it with the | | | | x | | |

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| | | | principle of lifelong learning. | | | | | | |
| | | 13 | Establishes the effective written and oral communication with patients, their relatives, other healthcare professionals, society, relevant sectors and media. | | | | | X | |
| | | 14 | Follows the innovations in the profession by using foreign language and information communication technologies | | | | | x | |
| **Lecturer(s) and Contact Information** | 1. Prof. Dr. Mehmet YALIM myalim@gazi.edu.tr<br>2. Prof. Dr. Altan DOĞAN doganaltan@gmail.com<br>3. Prof. Dr. Berrin ÜNSAL bunsal@gazi.edu.tr<br>4. Prof. Dr. Nurdan KURTULUŞ nurdan@gazi.edu.tr<br>5. Prof. Dr. Gülay TÜTER gulay@gazi.edu.tr<br>6. Prof. Dr. Bülent KURTİŞ mbulent@gazi.edu.tr<br>7. Prof. Dr. Ayşen BODUR abodur@gazi.edu.tr<br>8. Prof. Dr. Deniz ÇETİNER fdeniz@gazi.edu.tr<br>9. Prof. Dr Burcu ÖZDEMİR cburcu@gazi.edu.tr<br>10. Associate Prof. Dr Sıla Çağrı İŞLER silaisler@gazi.edu.tr<br>11. Associate Prof. Dr Zeynep TURGUT ÇANKAYA zeynepturgut@gazi.edu.tr<br>12. Associate Prof. Dr. Sühan GÜRBÜZ suhangurbuz@gazi.edu.tr<br>13. Assistant Prof. Dr Adil BAŞMAN adilbasman@gazi.edu.tr | | | | | | | | |