

| COURSE DESCRIPTION FORM | |
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| Course Code and Name | DHF5100 Maxillofacial Surgery |
| Course Semester | 9-10 |
| Catalogue Data of the Course (Course Content) | Gaining clinical knowledge and skills in maxillofacial surgery applications. Referral to a specialist in complicated treatments. |
| Course Textbooks | Posnick, J. C. (2013). Principles and Practice of Orthognathic Surgery. Elsevier Health Sciences. Taub, P. J., Patel, P. K., Buchman, S. R., & Cohen, M. N. (Eds.). (2014). |
| Supplementary Textbooks | Ferraro's Fundamentals of Maxillofacial Surgery. Springer. Kademani, D., & Tiwana, P. (2015). Atlas of oral and maxillofacial surgery. Elsevier Health Sciences. |
| Credit (ECTS) | 1 |
| Prerequisites for the Course (Attendance Requirements) | To have passed DHF-440 Oral, Dental and Maxillofacial Surgery, to have passed DHF- 4020 Oral, Dental and Maxillofacial Diseases. |
| Course Type | Vocational / Technical Compulsory Course |
| Language of Instruction | Turkish |
| Course Objectives | Having knowledge about maxillofacial surgery practices Learning developmental disorders of the jaw and facial region To learn the treatment and recovery stages of maxillofacial traumas |
| Course Learning Outcomes | 1- He/She can learn the etiology, frequency and treatment of traumas in the maxillofacial region. 2- He/She knows the healing stages of maxillofacial fractures. 3- About TMJ and maxillofacial reconstruction have knowledge. 4- He/She knows and gains awareness of the situations in which the patient should be referred to a specialist. 5- He/She recognises dentofacial deformities, cleft lip and palate, sleep apnoea syndrome, and correctly provides guidance in a way. 6- He/She has knowledge about the treatment of dentofacial developmental disorders with orthognathic surgery and learns orthognathic surgical procedures theoretically. |
| Instruction Method (Face-to-face, Distance education etc.) | Face to face |
| Weekly Schedule of the Course | Week 1: Introduction to oral and maxillofacial trauma, epidemiology, emergency first aid and intervention phases Week 2: Fracture causes and classification Week 3: Radiological examinations and evaluation of fractures Week 4: Mandibular fractures and symptoms Week 5: Displacement and factors affecting displacement in mandibular fractures Week 6: Displacement and factors affecting displacement in mandibular fractures Week 7: Dentoalveolar fractures, soft tissue injuries, tooth-alveolar bone traumatic injuries, symptoms, radiographic evaluation and treatment Week 8: Causes, clinic and treatment methods of fractures in children Week 9: Causes, clinic and treatment methods of fractures in geriatric patients Week 10: Maxillary fractures: aetiology, classification and symptoms Week 11: Treatment of maxillary fractures and blow-out fractures Week 12: Zygoma fractures, etiology, classification and treatment methods Week 13: Fracture and bone healing after treatment Week 14: Midterm Week 15: Definition of obstructive sleep apnoea, diagnostic methods and treatment approaches Week 16: Developmental disorders of the oral region and treatment methods Week 17: Definition and embryological features of cleft lip and palate |

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| | Week 18: Causes of cleft lip and palate, problems and solutions related to cleft lip and palate Week 19: Surgical treatment of cleft lip and palate Week 20: Problems and solutions related to cleft lip and palate Week 21: Definition of orthognathic surgery Week 22: Surgical planning Week 23: Orthognathic surgery methods 24th week: Indication, contraindication Week 25: Complications Week 26: Fixation Week 27: Distraction osteogenesis Week 28: Midterm | | | | | | | | | | |
| Teaching Activities <i>(The time spent for the activities listed here will determine the amount of credit required)</i> | Weekly theoretical course hours: 1 hour/week (28 weeks) Weekly practical course hours: Reading activities: Internet search and library work: Designing and implementing materials: Making a report: Preparing and making presentations: Midterm and revision for midterm:1 hour/week (2 weeks) Final exam and revision for final exam:1 hour/week (2 weeks) | | | | | | | | | | |
| Assessment Criteria | | Number(s) | Weight (%) | | | | | | | | |
| | Midterm exam | 2 | 70 | | | | | | | | |
| | Assignment | | | | | | | | | | |
| | Application | | | | | | | | | | |
| | Project | | | | | | | | | | |
| | Practice | | | | | | | | | | |
| | Quiz | | | | | | | | | | |
| | Final exam | 1 | 30 | | | | | | | | |
| Total | 3 | 100 | | | | | | | | | |
| Workload of the Course | Activity | Number of Weeks | Duration (Weekly Hour) | End of Semester Total Workload | | | | | | | |
| | Weekly theoretical course hours | 28 | 1 | 28 | | | | | | | |
| | Weekly practical course hours | | | | | | | | | | |
| | 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 | 2 | 1 | 2 | | | | | | | |
| | Total workload | | | 32 | | | | | | | |
| | Total workload/ 25 | | | 1,28 | | | | | | | |
| Course Credit (ECTS) | | | 1 | | | | | | | | |
| Contribution Level between Course Outcomes and Program Outcomes | No | Program Outcomes | | | | | 1 | 2 | 3 | 4 | 5 |
| | 1 | He/She knows the normal structure and functions of the human body and specifically the structures and teeth in the oral region on the basis of cells, tissues, organs and systems, and their interactions with each other. | | | | | | | | | X |
| | 2 | He/She defines the causes and formation mechanisms of oral, dental and maxillofacial diseases, the symptoms, | | | | | | | | | X |

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| | | structure and function disorders and how they affect the organism. | | | | | | | |
| | 3 | He/She knows, comprehends, associates and evaluates the symptoms and signs, diseases and conditions and professional practices at the level determined in the national core education programme of dentistry and Gazi University Faculty of Dentistry Extended Education Programme. | | | | | | x | |
| | 4 | He/She knows how to access the best current scientific evidence, evaluate its reliability and validity in line with personal learning needs. | | | | | | x | |
| | 5 | He/She knows the legislation on professional legal responsibilities, deontology and ethical principles. | | | | | | x | |
| | 6 | He/She knows and performs professional practices at the level determined in the national core education programme of dentistry and Gazi University Faculty of Dentistry Extended Education Programme. | | | | | | X | |
| | 7 | He/She carries out diagnosis, treatment and follow-up processes by prioritising evidence-based practice, critical thinking and ethical principles. | | | | | | X | |
| | 8 | He/She is aware of his/her limitations, sets personal learning goals to support his/her professional development, refers the patient to the appropriate centre when necessary. | | | | | | X | |
| | 9 | He/She knows the incidence of diseases of the mouth, teeth and jaws in the community and contributes to prevention and reduction. | | | | | | x | |
| | 10 | He/She behaves in accordance with the laws, regulations, legislation and ethical principles related to his/her duties and responsibilities while practising his/her profession independently. | | | | | | x | |
| | 11 | He/She has teamwork and leadership skills, is a role model to colleagues and society it happens. | | | | | | X | |
| | 12 | He/She plans his/her personal professional development and realises it with the principle of lifelong learning. | | | | | | X | |
| | 13 | He/She establishes effective written and oral communication with patients, relatives, other health personnel, society, related sectors and media. | | | | | | X | |
| | 14 | He/She will be able to use foreign language and information communication technologies follows innovations in the profession. | | | | | | x | |
| Lecturer(s) and Contact Information | Lecturer's First/Last Name: Prof. Dr Barış Şimşek, Prof. Dr. Mustafa Sancar Ataç, Prof. Dr. Ergun Yücel E-mail address::mbaris@gazi.edu.tr, erguny@gazi.edu.tr, msatac@gazi.edu.tr | | | | | | | | |