

COURSE DESCRIPTION FORM	
Course Code and Name	DHF5230 Implantology
Course Semester	9-10
Catalogue Data of the Course (Course Content)	Basic concepts, materials and application techniques related to dental implantology applications in dentistry are explained.
Course Textbooks	- Klinik Periodontoloji ve Diş Hekimliğinde İmplant Uygulamaları, Editör: Deniz Özbay Çetiner, Nurdan Özmeriç Kurtuluş. -“Contemporary İmplant Dentistry”, Editör: Carl E Mish, MosbyElsevier
Supplementary Textbooks	-“Dental Implant Prosthetics” Editör: Carl E. MischElsevier 2005
Credit (ECTS)	2
Prerequisites for the Course (Attendance Requirements)	To have passed DHF-450 Oral, Periodontology, To have passed DHF-440 Oral, Dental and Maxillofacial Surgery, to have passed DHF- 400 Prosthodontics 70% theoretical course attendance is mandatory
Course Type	Vocational / Technical Compulsory Course
Language of Instruction	Turkish
Course Objectives	-Teaching the anatomy and histology of periimplant tissues. Teaching implant structures, types and indications for use. Patient selection and determination of the implant indication according to the case. Clinical and radiographic evaluation of cases before implant surgery - Having sufficient information for the diagnosis of periimplant diseases - Teaching implant supported removable partial dentures, implant supported fixed partial dentures, implant supported full dentures and implant tissue supported removable partial dentures, indications, contraindications, principles of biomechanics, treatment planning and construction stages
Course Learning Outcomes	1. To have knowledge about the anatomical and histological differences between periimplant tissues and periodontal tissues 2. To convey the necessary information about dental implant applications to the patients. 3. To have the knowledge to diagnose periimplant diseases and to be competent to refer to the specialist when necessary. 4. Knows implant supported removable partial denture, implant supported fixed partial denture, implant supported full denture and implant tissue supported removable partial denture types, biomechanical principles, occlusion, measurement methods. 5. Knows abutments, selection criteria, principles of cemented and screw-retained implant-supported prostheses, implant-natural tooth connection in prosthetic applications. 6. Knows the complications and treatment of implant superstructure. 7. Knows immediate and early loading. 8. Knows temporary restorations in implant treatment.
Instruction Method (Face-to-face, Distance education etc.)	Face to face
Weekly Schedule of the Course	Week 1: Implantology introduction, definition and history Week 2: Anatomical and Histological Characteristics of Periimplant Tissues, and Comparison Week 3: Types of implants, places of use and features Week 4: Patient selection criteria, indications and contraindications Week 5: Implant surgery Week 6: Immediate Implant Placement and Immediate Loading

	<p>Week 7: Other surgical methods applied before or together with immediate implant surgery</p> <p>Week 8: Materials and Techniques Used in the Resolution of Local Bone Deficiencies</p> <p>Week 9: Soft Tissue Problems and Solutions in Aesthetic Zone Implant Applications</p> <p>Week 10: Complications and treatment methods in implant surgery</p> <p>11. Week: The Role of Implant Application in Individuals with Periodontal Disease</p> <p>Week 12: Diagnosis and Treatment of Periimplant Diseases</p> <p>Week 13: Implant Case Discussion</p> <p>Week 14: Maintenance Phase of Periimplant Tissue Health</p> <p>Week 15: Introduction to implant-supported prosthesis, diagnostic criteria and application principles. Implant supported prostheses</p> <p>Week 16: Implant supported fixed and removable prosthesis applications in cases of complete edentulism.</p> <p>Week 17: Implant supported fixed partial denture applications in single tooth deficiencies</p> <p>Week 18: Implant supported prostheses in cases of partial edentulism</p> <p>Week 19: Biomechanical principles in implant supported prostheses</p> <p>Week 20: Occlusion in implant supported prostheses</p> <p>Week 21: Impression methods in implant supported prostheses</p> <p>Week 22: Abutments in implant-supported prostheses</p> <p>Week 23: Principles of cemented and screw-retained implant-supported prostheses</p> <p>Week 24: Implant-natural tooth connection</p> <p>Week 25: Implant superstructure related complications and treatment</p> <p>Week 26: Immediate and delivery loading</p> <p>Week 27: Temporary restorations in implant treatment</p> <p>Week 28: Implant superstructure related complications and treatment</p>																																											
<p>Teaching Activities (The time spent for the activities listed here will determine the amount of credit required)</p>	<p>Weekly theoretical course hours: 1 hour/week (28 weeks)</p> <p>Weekly practical course hours:</p> <p>Reading activities: 2 hour/ week (6 weeks)</p> <p>Internet search and library work: 1 hour/ week (6 weeks)</p> <p>Designing and implementing materials:</p> <p>Making a report:</p> <p>Preparing and making presentations:</p> <p>Midterm and revision for midterm: 2 hour/week (1 week)</p> <p>Final exam and revision for final exam: 1 hour/week (1 week)</p>																																											
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	Total workload					49	
	Total workload/ 25					1,96	
	Course Credit (ECTS)					2	
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, structure and function disorders and how they affect the organism.				X	
	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	1. G.U. Faculty of Dentistry Oral and Maxillofacial Surgery . Faculty Members 2. G.U. Faculty of Dentistry Prosthetic Dentistry . Faculty Members 3. G.U. Faculty of Dentistry Periodontology . Faculty Members							