COURSE DESCRIPTION FORM	
Course Code and Name	**DHF 330 Oral Diagnosis and Radiology**
Course Semester	5-6
Catalogue Data of the Course (*Course Content***)**	It includes the basics of diagnosis and dental radiology in the mouth, jaw and face area.
Course Textbooks	-White SC, Pharoah MJ. Oral Radiology. Principles and Interpretation.Mosby Elsevier, St. Louis, Missouri, 2014. -Günhan Ö. Oral ve maksllofasiyal patoloji, Quintessence yayınları, 2015.
Supplementary Textbooks	-Regezi JA, Sciubba JJ, Jordan R. Oral Pathology: Clinical pathologic correlations. 7th ed. Elsevier, 2017. -Harrorlı A. Ağız, Diş ve Çene Radyolojisi. Nobel Tıp Kitabevleri, İstanbul, 2014. -Özcan İ. Diş hekimliğinde radyolojinin esasları. İstanbul Medikal Sağlık ve Yayıncılık, İstanbul, 2017. -Tokgöz M. Diş Hekimliği ve Sistemik Hastalıklar, Ecem Basın-Yayın,2004.
Credit (*ECTS***)**	4
Prerequisites for the Course (*Attendance Requirements***)**	The prerequisite for this course is to be successful in HST 200/Histology II, FZY 200/Physiology II, ANA 200/ Anatomy II. There is an obligation to attend the course and observer student clinical practice.
Course Type	Vocational / Technical Compulsory Course
Language of Instruction	Turkish
Course Objectives	To teach radiology in dentistry, taking patient history, evaluation of systemic diseases in terms of dentistry, intraoral and extraoral examination.
Course Learning Outcomes	1. Have knowledge about radiation, electromagnetic radiation, radioactivity, ionization and radiological terminology. 2. Have basic knowledge of radiation physics, radiobiology, radiation protection and diagnostic radiology. 3. Knows the principles and techniques of intraoral dental radiography, takes intraoral radiographs. 4. Knows intraoral radiographic anatomy, interprets intraoral radiographs. 5. Knows the importance of taking anamnesis, takes systemic and dental anamnesis, interprets the information received. 6. Knows the importance of systemic diseases in terms of dentistry and oral findings of systemic diseases. 7. Consults the relevant specialist when necessary and directs them to a higher institution. 8. Knows extraoral and intraoral examination methods. 9. Knows clinical, radiographic and laboratory examinations required for differential diagnosis. 10. Knows how to interpret the information obtained for treatment planning.
Instruction Method *(Face-to-face, Distance education etc.)*	This course is conducted in the form of face-to-face. Expression, Question-Answer, Demonstration, Application-Exercise
Weekly Schedule of the Course	Week 1: Oral Diagnosis and Introduction to Radiology, Basic terminology in Radiology Week 2: Radiation Physics, Radiation Biology Week 3: Radiation Protection Week 4: To take Periapical, bite-wing, occlusal radiography Week 5: Digital radiography, use of radiographic algorithm Week 6: Extraoral radiography techniques Week 7: Anatomical landmarks, factors affecting radiographic quality Week 8: Periapical, bite-wing, occlusal radiography evaluation Week 9: Halitosis Week 10: Atypical facial pain, trigeminal neuralgia Week 11: Taking general and problem-oriented history Week 12: Congenital heart disease Hypertension, Angina pectoris (chest pain), Acute coronary syndrome, MI, Endocarditis - acute rheumatic fever, Cardiomyopathy,

	Myocarditis Week 13: Anemia, Bleeding diathesis, Leukemia Week 14: Hyperthyroid, Hypothyroid, Diabetes Week 15: Stomach ulcer, Gastritis, Reflux, Hepatitis, Liver failure Week 16: Asthma, COPD, Tuberculosis Week 17: Behçet's disease, Sjogren's, Rheumatoid arthritis Week 18: Epilepsy, pregnancy Week 19: Lymphoma, AIDS, Lymphadenopathy Week 20: Syndromes Week 21: Evaluation of mental state Week 22: Extraoral examination Week 23: TMJ examination Week 24: Intraoral examination, vitality test Week 25: Ability to fill out a request form for laboratory examination, Ability to refer the patient appropriately (consultation) Week 26: Densevaginatus, Dens invaginatus, Dentine dysplasias, Fluorosis, Amelogenesis imp., Dentinogenesis imp., Concrescension, Regional odontodysplasia, Amorphous tooth, Ectopic tooth, Ectopic enamel (enamel pearl) Week 27: Fusion, Gemination, Heterotopic tooth, Hypercementosis, Inverted tooth, Macrodontia, Microdontia, Enamel hypoplasia, Persistent primary tooth, Taurodontism, Transposition, Dilaceation, Talon cusp Week 28: Acute apical abscess, Chronic apical abscess **2 weeks, 16 hours of Observer Student Practice**
Teaching Activities *(The time spent for the activities listed here will determine the amount of credit required)*	Weekly theoretical course hours — 28 weeks 2 hours Weekly applied course hours — 2 weeks 8 hours Internet browsing, library work — 4 weeks 4 hours Midterm and midterm exam preparation — 4 weeks 2 hours Final exam and preparation for the final exam — 4 weeks 2 hours

Assessment Criteria

	Number(s)	Weight (%)
Midterm exam	2	48
Assignment		
Application		
Project		
Practice		
Quiz	1	12
Final exam	1	40
Total	4	100

Workload of the Course

Activity	Number of Weeks	Duration (Weekly Hour)	End of Semester Total Workload
Weekly theoretical course hours	28	2	56
Weekly practical course hours	2	8	16
Reading activities			
Internet search and library work	4	4	16
Designing and implementing materials			
Making a report			
Preparing and making presentations			
Midterm and revision for midterm	4	2	8
Final exam and revision for final exam	4	2	8
Total workload			104
Total workload/ 25			4.16
Course Credit (ECTS)			4

Contribution Level between Course Outcomes and Program Outcomes

No	Program Outcomes	1	2	3	4	5
1	Knows the normal structure 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, structure and function disorders and how they affect the organism.					X
3	Knows, comprehends, relates and evaluates the symptoms and findings, diseases and conditions and professional practices in the national core education program of dentistry and Gazi University Faculty of Dentistry Extended Education Program at a determined level.					X
4	Knows how to reach the best current scientific evidence, evaluate its reliability and validity in line with personal learning needs.				X	
5	Knows the legislation on professional legal responsibilities, deontology and ethical principles.			X		
6	Knows and makes professional practices in the national core education program of Dentistry and Gazi University Faculty of Dentistry Extended Education Program at a determined level.					X
7	It carries out diagnosis, treatment and follow-up processes by prioritizing evidence-based practice, critical thinking and ethical principles.					X
8	She/he is aware of her limitations, sets personal learning goals to support her/his professional development, and directs the patient to the appropriate center when necessary.					X
9	Knows the incidence of diseases in the mouth, teeth and jaws in society, contributes to the prevention and reduction.				X	
10	While practicing her/his profession independently, she/he acts in accordance with the laws, regulations, legislation and ethical principles related to her duties and responsibilities.			X		
11	Has teamwork and leadership skills, becomes a role model to colleagues and society.			X		
12	She/he plans her/his personal professional development and realizes it with the principle of lifelong learning.			X		
13	Establishes effective written and verbal communication with the patient, patient relatives, other health personnel, society, relevant sectors and the media.				X	
14	Follows the innovations in her/his profession by using foreign language and information communication technologies.			X		

Lecturer(s) and Contact Information	Lecturer's First/Last Name: **1. Prof. Dr. Cemile Özlem Üçok** **2. Prof. Dr. Kahraman Güngör** **3. Prof. Dr. Meryem Toraman** **4. Prof. Dr. İlkay Peker** **5. Prof. Dr. Zühre Akarslan** **6. Assoc. Prof. Gülsün Akay** E-mail address: meryem@gazi.edu.tr, mtalkurt@gmail.com