

DEN3012 Oral Diagnosis and Dental Radiology

Course title	Code	Semester	Type of course	Course structure and volume (hours) 151 hours here						ECTS
				LECTURE	20					
				Seminar	10					
				Teaching in Stimulatory environment (TSE)	7					
Oral Diagnosis and Dental	DEN3012 VI	Mandatory	ndatory Teaching in clinical environment (TCE)		150	5				
Radiology				Midterm EX.	1					
				FINAL EX.	2					
				INDEP. WORK	75					
Faculty, the educational program and level of education	tional program vel of Vel of									
	Hatice Palta, invited teacher, DDM,DDS e-mail: Hatice.palta@bauinternational.edu.ge Personal one-to-one consultation can be arranged at an agreed upon date and time.									
Duration	17									
Prerequisite	DEN2008									
Aim	In this course, it is aimed to learn acquiring patient history, examination, auxiliary diagnostic methods, radiographic evaluation and radiation protection in dentistry.									
Methods of Teaching/Learning	Lectures; Seminars; CBL,TSE, TCE									
Assessment System and Criteria	Attendance - student is obliged to attend 70% of the total number of the learning course The knowledge of the student is evaluated by 100 score-based evaluation system out of which 40 scores considered for the current assessment, 20 for midterm exam and 40 scores for the final exam. 1. Current Assessment (activity) - 40 points, including the following: •CBL *3sessions 5 point each-15 points									
	• Verbal presentation/discussion- 10 sessions 2 point each-20 points									



Presentation - 5 points

Clinical Case assessment (CBL) criteria:

- Ability of case interpretation 1 point;
- 2. Ability of using additional sources 1 point;
- 3. Ability of applying theoretical knowledge 1 point;
- 4. Ability of correlating normal and pathological conditions 1 point;
- 5. Ability of drawing conclusions 1 points

Verbal presentation/Discussion assessment criteria:

- 1. Argumentativeness of represented factual material -0.4points
- 2. Complexity of represented factual material -0.4points
- 3. Discussion activity 0.4points
- 4. Debating and listening culture-0.4points
- 5. Keeping within the time-limit 0.4points

Presentation assessment criteria:

presentation in groups of 2-3

- 1. Demonstrations of theoretical knowledge 3 points:
 - knowledge of the disease 1 point
 - Differential diagnosis 1 point
 - Care plan 1 point
- 2. Academic level and design 1 point;
 - Visual and technical quality of the material 0,5 point;
 - Review of the available modern material related to the topic 0,5

point; 3.Presentation and communication skills - 1 point;

- group working and listening culture 0,5 point;
- Correct language and style 0,5 point;

2. Midterm Exam - 20 points

Midterm Exam is conducted in the middle of the learning course.

The exam is conducted in the test-based form (Multiple Choice Questions - MCQs). The test includes 50 questions each of 0,4 scores. The highest score equals to 20 points

Prerequisite for Final Exam are:

- Prerequisite for Final Exam is the situation when at least 30 % of the current assessment level is achieved.
- 70% of the course hours should be attended.

3. Final Exam - 40 points;



The exam is conducted in the test-based form (Multiple Choice Questions - MCQs and OpenAnswer Questions - OAQs). The test includes 50 MCQ questions each of 0,4 scores and 5AQ questions each of 1 points The highest score equals to 40 points

MCQ- Each MCQ question is assessed by 0.4 point(20

points) OAQ-each OAQ is assessed by 5 points (20 points)

Assessment criteria

5-answers all the basic questions given in a open question

4-answers partially the basic questions given in a open question

3- answers partially with some errors the basic questions given in a open

question 2- answers partially with errors the basic questions given in a open

question

1- doesn't answers to the basic questions given in a open question

The exam is considered being passed by the student if he /she receives 50% or more out of the highest evaluation for the exam (40x50/100=20 points). When the total evaluation of the student (current evaluation + midterm exam evaluation + final exam evaluation) is more that 40 but less than 51 points, even though the exam grade threshold is passed, the learning course is considered not being covered and the student is given the right to exam retake during the additional examination period, one week after final exam.

If the final evaluation for the Learning Course, after taking the additional exam, (current evaluation + midterm exam evaluation + final exam evaluation) is less than 51%, the learning course is not considered covered and it must be taken again.

In summary, the student is awarded the credit in case he/she accumulates minimum 51% out of 100%. Positive scores:

- (A) Excellent- 91 or more points;
- (B) Very Good- 81-90 points;
- (C) Good- 71-80 points;
- (D) Satisfactory- 61-70 points;
- (E) Enough- 51-60 points;

Negative scores:

- (FX) Failure 41-50 points: the student needs more independent work and is granted a single attempt of exam retake;
- (F) Fail 40 points or less: the student's conducted work is not sufficient and needs to take the course again.

After the results of final exams are available, students with FX assessment have a right to retake an exam during an additional exam week in the same semester.



	An interval between a final and a corresponding additional exam must be at least 5 days after the results of a final exam become available
The core literature	1.Stuart C. White, M J Pharoah. White and Pharoah's Oral Radiology: Principles and Interpretation. 8th Edition. Elsevier; 2019. ISBN: 9780323543835 2.Lisa J. Koenig Dania Tamimi C Petrikowski Susanne E. Perschbacher. Diagnostic Imaging: Oral and Maxillofacial. 2nd Edition. Elsevier; 2017. ISBN:9780323477826 3.Scully C. Oral and maxillofacial medicine: the basis of diagnosis and treatment. Edinburgh: Churchill Livingstone/Elsevier; 2013. ISBN: 9780702049484
The auxiliary literature	E.W. (Edward William) Odell. Cawson's essentials of oral pathology and oral medicine. 9th edition. London: Elsevier; 2017. ISBN: 9780702049828



Learning Outcomes

NQF*	COURSE LEARNING OUTCOMES	PROG. LO	Lectur e		i ng in simul ation				ASSES. METH.
KNOWLEDGE AND AWARENESS	 Describe basic radiation physics, Identify the components of a dental x-ray unit and explain the function of each component Describe the effects of radiation on living tissues and explain methods of radiation protection. Explain intraoral radiography techniques and their applications 	6,1 6,4 8,1 8,2	Х	Х		X	х	X	MCQ OAQ Discussion PPT CBL
SKILL	applications in dental radiography			х			х	X	CBL



Batumi				2025-2026
RESPONSIBILIT Y AND AUTONOMY	 has ability to manage information, solve the problem and make a decision has ability renew knowledge permanently 	11.1 11.2 11.3 11.5	X	CBL



Learning Course Content

days N º	Topics	Lecture (hrs)	Seminar (hrs)	TSE (hrs)	TCE (hrs)
	Introduction to Radiology and Atomic Structure, Radiation Physics	2			
	X-Ray Machine, Factors Controlling the X-Ray Beam and Dosimetry, Biologic Effects of Ionizing Radiation				
	Radiation Safety and Protection, Digital Imaging	2	1		
	Film Imaging, Radiographic Quality				
II					
	Projection Geometry, Intraoral Radiography in Dentistry	2	1		2
	Normal Anatomical Landmarks in Intraoral Radiography ,Technical Errors and Artefacts in Intraoral Radiography				
Ш					
IV	Panoramic Radiography ,Cephalometric and Skull Imaging	2	1		

V	Oral Diagnosis, Definitions and History Taking Clinical Examination (Examination Techniques, Extraoral Examination) Clinical Examination (Intraoral Examination)	2	1	2



2025-2026 2 1 VΙ Radiographic Findings of Systemic Diseases Prescribing Diagnostic Imaging 2 VII Radyographic Interpretation of Dental Caries Developmental Abnormalities of Teeth and face VII-VIII Midterm exam 2 1 XIX Cone Beam Computed Tomography, Other Imaging Modalities (CT, MRI, US, Scintigraphy) 2 1 2 **Benign Tumors** Malignant Diseases

	Paranasal Sinus Diseases, Craniofacial Anomalies	2	1		
	Salivary Gland Diseases, Xerostomia and Halitosis				
Х	Soft Tissue Calcifications and Ossifications	2	1		
XI	Presentation/ppt		1		
XII	Clinical visit				2
XVII-XX	Final Exam			2	
WEEK					