

DEN5008 Oral implantology

Course title	Code	Semester	Type of course	Course structure and volume (hours)			ECTS
Oral implantology	DEN5008	X	Mandatory	LECTURE	10	90	3
				Seminar	10		
				Teaching in Stimulatory environment (TSE)	30		
				Teaching in clinical environment (TCE)	15		
				Midterm EX.	1		
				FINAL EX.	2		
				INDEP. WORK	22		
Faculty, the educational program and level of education	School of Medicine and Health Sciences, One cycle (5-year duration) Higher Educational Program “Dentistry”						
Staff	Irakli Chachua, Assistant E-Mail: irakli.chachua@bauinternational.edu.ge Personal one-to-one consultation can be arranged at an agreed upon date and time.						
Duration	17 weeks						
Prerequisite	Oral surgery IV (periodontal surgery) DEN5011						
Aim	The aim of the course is to teach a student the history of implants, implants types and materials, technical equipments of implantation, soft and hard tissue types, patient examination for implantation, indication and contraindication of implantation, CT scan, planning of implantation, patients preparation for implantation, surgical guidelines, bone grafting and sinus lifting, postsurgical care, complication and treatment of implantation.						
Methods of Teaching/Learning	Interactive lectures; Seminars; CBL, TSE, TCE						
Assessment System and Criteria	Student’s knowledge assessment: <ul style="list-style-type: none">Testing (MCQ/Closed Questions) / (2 sessions, 5 points each) - 10 pointsPractical Activities Assessment (5 sessions, 3 points each) – 15 points						

- Verbal presentation (5 sessions, 1 points each) – 5 points
- CBL (2 sessions,5 points each) 10 points
- **Midterm –MCQ – 20 points**
- **Final exam-MCQ/OSCE – 40 points**
- Total -100 points

Testing

MCQ (Multiple Choice Question).

Each MCQ question is assessed by 0.4 point.

Closed Question/Short Answer Question

The student will be given a closed question, without probable answers, the student must answer correctly.

Criteria:

Each short answer question is rated 1 point. For a positive result, the student must correctly answer at least **50%** of the total number of questions.

Evaluations of ongoing Practical Activities

Practical Activities Rubric:

- Performs manipulations fully and without errors – 3 points
- Performs manipulations partially and without errors – 2 points
- Performs manipulations with errors – 1 points

Verbal presentation assessment criteria:

Method Description:

Demonstration of knowledge of theoretical topics, discussion over specific issues in the form of narration or answering questions.

1 Points: The student is well prepared, thoroughly proficient in syllabus material. The answers to the questions are correct, justified and reasoned. The student is thoughtful and well versed in the problem area.

0.5 Points: The student knows only part of the syllabus topic, the answers to the questions are correct but incomplete / unreasonable.

0 Points: The student is completely unprepared. Does not have a syllabus topic, cannot answer any questions.**Midterm exam** – MCQ - 20 points. Each MCQ question is assessed by 0.4 point. For a positive result, the student must correctly answer at least **50%** of the total number of questions.

CBL assessment:

4-5 points -Student analyses particular case,understands and plans a treatment methods in CT scan software:

1-3points -Student analyses partially particular case,understands and plans a treatment methods in CT scan software with some errors

Student doesn't analyse particular case,understand or plan a treatment methods in CT scan software: 0 points

Midterm Exam - 40 points.

- MCQ- -20 points; Each MCQ question is assessed by 0.4 point

For a positive result, the student must correctly answer at least **26** questions from the total number of questions.

Final exam - 40 points.

- MCQ- -20 points;
- OSCE -20 points

Each MCQ question is assessed by 0.4 point

For a positive result, the student must correctly answer at least **26** questions from the total number of questions.

OSCE -20 points

oral cavity examination for implants, planning the future suprastructure-5 points

Planning of dental implants in CT scan-5 points

Dental implantation procedure-5 points

Wound suturing-5 points

	<p>Final exam prerequisites: the total number of points from all other assessment components, namely, the midterm exam and activity quizzes and classroom activity, must be at least 30 points out of 60.</p> <p>exam is considered as passed if the student has at least 21 points (minimal competence limit).</p> <p>The course (module) is considered as passed if the student has at least 51 points during one semester.</p> <p>Maximum course assessment score is 100 points. The student's assessment system includes:</p> <p>a) five types of positive assessment:</p> <p>(A) Excellent – 91-100 points.</p> <p>(B) Very good – 81-90 points.</p> <p>(C) Good – 71-80 points.</p> <p>(D) Satisfactory – 61-70 points.</p> <p>(E) Acceptable – 51-60 points.</p> <p>(FX) Student could not pass examination – 41-50 point that means that the student is required to work more for passing the exam, and that she/he is entitled to retake exam only once after individual work;</p> <p>(F) Failed to pass – 40 points and lower that means that the work done by the student is not sufficient and she/he has to retake the course.</p> <p>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.</p> <p>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.</p> <p>The point of the makeup exam is not added to the point of the final exam. The point of the makeup exam is the point of the final assessment and is reflected in the final assessment of the educational component of the educational program.</p> <p>In accordance with the point of the makeup exam, the final assessment of educational component, in case of 0-50 points, the students receive F-0 assessment.</p>
The core literature	Implantology in General Dental Practice. Searson, Lloyd J.; Gough, Martin; Hemmings, 2005
The auxiliary literature	

Learning Outcomes

NQF *	COURSE LEARNING OUTCOMES	PROG. LO	Lecture	Seminar	TSE	TCE	Midterm ex.	Final exam	ASSES. METH.
KNOWLEDGE AND AWARENESS	The student Identifies types of implants, implant materials, Recognizes indications and contraindications of implantation, bone types for implantation Explains implantation's surgical techniques Understands methods to avoid possible complications; Selects methods of planning of implantation, management and treatment by implants and post implantation surgery Know his\her limitations and act accordingly in ethical and clinical principles, in case of necessity request for support and decides to refer to specialists according to clinical and radiographic evaluation. surgery period and its complications	9,1. 9,2 9,4 4.1	X	X	X	X	X	X	MCQ Verbal Presentation Practical Activities CBL
SKILLS	Demonstrates surgical methods of implantation, the student applies a method of management of bone and soft tissues, the student applies a treatment method of postsurgical period	8,1 8,2 9,6			X			X	OSCE Practical Activities
RESPONSIBILITY	has the ability to renew learning has ability to make decisions and think critically	11.3 11.5				X		X	OSCE CBL

Supplement 1

Learning Course Content

DAYS №	Topics	Lecture (hrs)	Seminar (hrs)	TSE (hrs)	TCE (hrs)
I	History and development of dental implants-implant types, design, dimensions, surface characteristics, materials	1	1		

	Assignment: Study of the materials discussed on workshop.				
II	Osseointegration-Factors influencing implant osseointegration Verbal presentation: History and development of dental implants-implant types,design,dimensions,surface characteristics,materials Assignment: Study of the materials discussed on workshop.	1	1		
III	Patients preparation for implantation-indications and contraindications of implantation,general health history,bone types,soft tissue types, extra oral and intraoral examination, introduction of CT scan and implant planning. Verbal presentation- History and development of dental implants-implant types,design,dimensions,surface characteristics,materials Assignment: Study of the materials discussed on workshop.	1	1		
IV	Immediate implantation and delayed implantation(indications,contraindications, advantages and disadvantages) Verbal presentation Patients preparation for implantation-indications and contraindications of implantation,general health history,bone types,soft tissue types, extra oral and intraoral examination, introduction of CT scan and implant planning. Assignment:. Study of the materials discussed on workshop.	1	1		
V	Planning of dental implantation on CT scan. Verbal presentation Immediate implantation and delayed implantation(indications,contraindications, advantages and disadvantages) TEST-MCQ Assignment: Study of the materials discussed on workshop.	1	1		2
VI	Surgical method and guideline of dental implantation, incision techniques, drilling technique, placement of dental implant, suturing techniques Verbal presentation: Planning of dental implantation on CT scan.	1	1	5	2

	Assignment: Study of the materials discussed on workshop.				
VII-VIII	MIDTERM	1			
XIX	Post surgical management of patient, Verbal presentation: Surgical method and guideline of dental implantation, incision techniques, drilling technique, placement of dental implant, suturing techniques CBL Assignment: Study of the materials discussed on workshop	1	1		2
X	Bone grafting-types of bone grafting,surgical guidelines and methods of bone grafting, Verbal presentation- Post surgical management of patient, Assignment: Study of the materials discussed on workshop.	1	1		2
XI	Sinus lifting-etiology,examination, surgical guideline and methods of sinus lifting Verbal presentation- Bone grafting-types of bone grafting,surgical guidelines and methods of bone grafting, Assignment: Study of the materials discussed on workshop.	1	1	5	2
XII	dental implantation complications,peri implantitis, clinical signs, treatment. Verbal presentation Sinus lifting-etiology,examination, surgical guideline and methods of sinus lifting TEST-MCQ Assignment: Study of the materials discussed on workshop.. Practical Activity- Planning of dental implantation on CT scan Surgical method and guideline of dental implantation, incision techniques, drilling technique, placement of dental implant, suturing techniques	1	1		
XIII-XIV	Practical Activity- Planning of dental implantation on CT scan		1	10	

	Verbal presentation- dental implantation complications,peri implantitis, clinical signs, treatment. Surgical method and guideline of dental implantation, incision techniques, drilling technique, placement of dental implant, suturing techniques CBL				
XV	Practical Activity- Planning of dental implantation on CT scan Surgical method and guideline of dental implantation, incision techniques, drilling technique, placement of dental implant, suturing techniques			10	
XVI- XVII					15
XVII- XXII WEEK	Final Exam	2			