

DEN 5012 Clinical Internship

Course title	Code	Semester	Type of course	Course structure and volume (hours)			ECTS
Clinical Internship (Therapeutic dentistry, oral surgery, prosthodontics, dental office management)	DEN 5012	X	Mandatory	Teaching in Clinical Environment (TCE)	147	240	8
				Midterm exam	1		
				Final exam	2		
				Independent Work	90		
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 Tamar Jibuti , invited lecturer E-mail: Tamar.jibuti@bauinternational.edu.ge Natalia Kurdadze , invited lecturer E-mail: Natalia.kurdadze@bauinternational.edu.ge Clinics: BAU Dental University Clinic Dental Clinic LLC “ Rogo ” Dental Clinic LLC “ Zeppelin ” Dental Clinic LLC “ Sanare ”						
Duration	5 weeks						
Prerequisite	DEN5001, DEN5007, DEN5011, DEN5013						
Aim	Aim of the course is: to facilitate development of clinical skills necessary for the fields Therapeutic Dentistry , Prosthodontics and Oral Surgery by involving students in workplace practice; train students in communication with patients and colleagues, decision making, making different commonly used field specific and general manipulations under the supervision, to support consolidation of previously acquired knowledge and translation to clinical internship ,to help student in elaboration of professional and practical skills.						

Methods of Teaching/Learning	Teaching in Clinical environment (Bedside Teaching), Case Base Learning, Practical Activity
Assessment System and Criteria	<p>Attendance - student is obliged to attend 80% of the total number of the practical course The knowledge of the student is evaluated by 100 point-based evaluation system out of which 60 points are allocated for the current assessment (clinical activity), 40 points for the final exam (case presentation).</p> <p>1. Current Assessment (Clinical Activity) - 40 points, including the following:</p> <ul style="list-style-type: none"> ● Logbook - 60 points; <p>2. Midterm Exam (Case Presentation) - 10 points 3. Final Exam (Case presentation) - 30 points</p> <p>Logbook – is facilitating development of student’s practical and professional skills. Student is requested to fulfill and register logbook requirement during the internship (See Supplement - Clinical Internship Logbook). Logbook is divided in four parts:</p> <ul style="list-style-type: none"> ● Therapeutic Dentistry – maximum 15 points; ● Oral Surgery maximum 15 points; ● Prosthodontics – maximum 15 points. ● Dental office management 15 points; <p>In total maximum 60 points. Threshold for each of the discipline is 60% (9 points for each part),</p> <p>Midterm Exam (case presentations) - 10 points Student during clinical internship is required to present patient (case) to his/her colleagues 2 times (one for therapeutic dentistry and second for prosthodontics). Presentation time is 5-7 minutes. During the presentation, student will present patient’s condition, personal contribution and activity, diagnosis and dif. diagnosis, treatment plan, follow up monitoring. Each presentation is evaluated with 5 points, total 20 points. Passing threshold 60% (12 points).</p> <p>Evaluation criteria: 5 points: student presents case in details, completely and consistently. Uses terminology, analysis and clinical reasoning is logical, personal attachment is strong, performed manipulations are relevant, diagnosis is correct, treatment plan is adequate. Actively discuss patient with colleagues, answers related questions, uses modern scientific information of the related field. 4 points: student presents case in details, completely and consistently. Uses terminology, analysis and clinical reasoning is logical, personal attachment is strong, performed manipulations are relevant, diagnosis is correct, study plan is adequate. Incompletely answers case-related questions, does not have scientific information to the related field. 3 points: student presents case superficially. Does not use appropriate terminology, analysis of pathological condition is logical, personal attachment is superficial, diagnosis is correct, treatment plan is adequate. Incompletely answers case-related questions, does not have scientific information to the related field. 2 points: student presents case superficially. Does not use appropriate terminology, analysis of pathological condition is poor, personal attachment is poor, diagnosis is incomplete, treatment plan is partial. Incompletely answers case-related questions, does not have scientific information to the related field.</p>

1 point: student presents case inconsistently with essential errors. Cannot analyze pathological condition, without personal attachment, diagnosis is incomplete/incorrect, treatment plan is inadequate. cannot answer case-related questions.

0 points: student does not present patient/case

Final Exam (case presentations) - 30 points

Student during clinical internship is required to present patient (case) to his/her colleagues 6 times (single case for therapeutics and prosthodontics and two for other disciplines). Presentation time is 5-7 minutes. During the presentation, student will present patient's condition, personal contribution and activity, diagnosis and dif. diagnosis, treatment plan, follow up monitoring. Each presentation is evaluated with 5 points, total 20 points. Passing threshold 60% (12 points).

Evaluation criteria:

5 points: student presents case in details, completely and consistently. Uses terminology, analysis and clinical reasoning is logical, personal attachment is strong, performed manipulations are relevant, diagnosis is correct, treatment plan is adequate. Actively discuss patient with colleagues, answers related questions, uses modern scientific information of the related field.

4 points: student presents case in details, completely and consistently. Uses terminology, analysis and clinical reasoning is logical, personal attachment is strong, performed manipulations are relevant, diagnosis is correct, study plan is adequate. Incompletely answers case-related questions, does not have scientific information to the related field.

3 points: student presents case superficially. Does not use appropriate terminology, analysis of pathological condition is logical, personal attachment is superficial, diagnosis is correct, treatment plan is adequate. Incompletely answers case-related questions, does not have scientific information to the related field.

2 points: student presents case superficially. Does not use appropriate terminology, analysis of pathological condition is poor, personal attachment is poor, diagnosis is incomplete, treatment plan is partial. Incompletely answers case-related questions, does not have scientific information to the related field.

1 point: student presents case inconsistently with essential errors. Cannot analyze pathological condition, without personal attachment, diagnosis is incomplete/incorrect, treatment plan is inadequate. cannot answer case-related questions.

0 points: student does not present patient/case

Prerequisite for Final Exam are:

- At least 60% of logbook result in each discipline.

The exam is considered being passed by the student if he/she receives **60% or more** out of the highest evaluation for the exam (30x60/100=18 points).

Assessment scores out of total 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;

	<ul style="list-style-type: none"> • (E) Enough- 51-60 points; <p>Negative scores:</p> <ul style="list-style-type: none"> • (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. <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>
Reference Literature	<ol style="list-style-type: none"> 1. Periodontology – Hans Peter Mueller 2. Clinical periodontology – Newman and Carranza 3. McCracken’s Removable Partial Prosthodontics -Alan B.Carr; David T.Brown 4. Prosthodontic Treatment for Edentulous Patients- George Zarb John Hobkirk Steven Eckert Rhonda Jacob 5. Textbook of complete dentures- Arthur O. Rahn, John R. Ivanhoe, Kevin D. Plummer 6. Impression materials, gypsum, impression trays, armamentarium used in prosthetic dentistry and dental phantom. 7. Practical Periodontal Plastic Surgery, Second Edition- Serge Dibart DMD, 2017 8. Oral and Maxillofacial Surgery” Lars Andersson, Karl-Erik Kahnberg, M. Anthony Pogrel 9. Oral and Maxillofacial Surgery: 3-Volume Set 3rd Edition

Learning Outcomes

NQ F*	COURSE LEARNING OUTCOMES	PROG. LO	LE	SE	TEA	TEAC	MI	FINAL	ASSES. METH.
			CT U RE	MI N AR	CHI NG IN SIM ULA TION ENV IRON MENT	HING IN CLINI CAL ENVI RON MENT	DT ER M EX .	EXAM	

KNOWLEDGE AND AWARENESSES	<ul style="list-style-type: none"> • Characterizes working particularities in clinical environment, describe guidelines and methods to deal with clinical situations including stress environment. • Understands techniques of clinical examination and standard procedures of Therapeutic Dentistry, Prosthodontics and Oral Surgery • Demonstrates knowledge of the indications, contraindications and benefits of the common procedures in Therapeutic Dentistry, Prosthodontics and Oral Surgery • Identification of professional work rules of the dental clinic and understanding of its implementation. • Demonstrate knowledge of clinical features, differential diagnosis and various treatment modalities for the common Therapeutic Dentistry, Orthodontics/ Dentofacial Orthopedics, Prosthodontics and Oral Surgery 	6.3. 3.1.				X	X	X	<ul style="list-style-type: none"> • Case • Logbook
SKILLS	<ul style="list-style-type: none"> • Works in clinical environment and adapt new environment; • Performs history taking, informed consent taking and physical examination in patients • Performs basic medical manipulations in the fields Therapeutic Dentistry, Prosthodontics and Oral Surgery • Follow up patients, demonstrate ability to educate patients and family members. • Monitoring the patient, asking the necessary questions clearly, hear responses and complaints, convincingly 	2.1. 2.2. 6.4. 6.5. 7.3. 8.1. 8.2. 9.2. 9.4. 9.7.				X	X	X	<ul style="list-style-type: none"> • Logbook • Case

	<p>discuss the nature of the specific disease, its localization or complication, and / or treatment tactics.</p> <ul style="list-style-type: none"> ● Communication with colleagues, ability to share professional opinion, communication under stress. ● Communication with patients their relatives and colleagues within the specialty. ● Clerkship, investigation and presentation of patients during rounds/morning conferences. ● Search for required information in scientific sources and use this data in clinical internship ● Arrange, combine analyze and summarize clinical manifestations of disease indicators. the conclusion formulation. ● Use legal, ethical and social principles in communication with patients and colleagues, protect the rights and interests, act in accordance with ethical values. 								
RES PO NSI BILI TY AN D AUT ON OM Y	<ul style="list-style-type: none"> ● Dress and look physically appropriate as a dentist ● Develop professional relationships with patients and members of the multidisciplinary health care providers. ● Know his\her limitations and act accordingly, in case of necessity request for support. ● Making balance between personal life and education. 	1.1. 4.1. 9.1. 11.2. 11.4. 11.5. 11.6.				X	X	X	<ul style="list-style-type: none"> ● Logbook ● Case

	<ul style="list-style-type: none"> Based on reflection of own knowledge, the need for systematic renewal of knowledge and continuous professional development. 								
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Supplement 1
Learning Course Content

No days	Internships	Lecture (hs)	TCE
1-5	Therapeutic Dentistry, (5 working days) Collecting of anamnesis; Oral cavity examination with dental instruments; Rubber-dum placement techniques; tooth decay classes (1-5) filling; oral cavity scaling and polishing; root canal treatment.		30
6-15	Prosthodontics (10 working days) Impression techniques for fixed and removable prosthetics; Tooth preparation for crowns; temporary crowns preparation techniques, crown cementation technique.Fabrication of removable dentures.		60
	Midterm		1
16-20	Oral Surgery (5 working days) Local and regional anesthesia techniques of upper and lower jaw; Extraction procedure of upper and lower teeth; Wound processing and irrigation procedure; wound suturing techniques.		30
21-25	Dental Office Management (5 working days) Front-of-house Communication;		27

	Workplace Safety; Administrative Skills; Sales of dental goods; Setting a business plan for Planning and Managing Dental Services.		
	Final Exam		2



Logbook for Clinical Internship
(Therapeutic Dentistry)

ACADEMIC YEAR	
STUDENT'S NAME & SURNAME	
CONTACT NUMBER	
E-MAIL ADDRESS	
INTERNSHIP DURATION	From:
	To:
INTERNSHIP SUPERVISOR(S)	

PROCEDURES (Theurapeutic Dentistry)	OBSERVED	PERFORMED	SCORE	SIGNATURE
History Taking		3 <input type="checkbox"/>	1 point	
Physical Examination		3 <input type="checkbox"/>	1 point	

		5 □	1 point	
		5 □	1 point	
		3 □	1 point	
		1 □	1 point	
		1 □	1 point	
		2 □	1 point	
		1 □	1 point	
		(Threshold: 70 % of the DOPS and Mini-CEXs level have to be achieved)		
	TOTAL SCORE:		--	

Mini clinical evaluation exercise (Mini-CEXs) 10 points

Exercise will be performed in clinical environment (simulation or bed side) in the process of student's individual work with patient. Each exercise will be evaluated with 5 criteria, maximum 1 point for each.

Good - 1 point,
Satisfactory - 0.5 Points,
Unsatisfactory - 0 points,

1. Medical Interviewing Skills (score 2)

- Encourages the patient to communicate about his medical history;
- Sets appropriate questions to obtain information;
- Responds appropriately to emotion and non-verbal signals.

2. Physical Examination Skills (score 2)

- Maintains a logical and efficient sequence;
- Maintains a balance between general and hypothetical focused research;
- Informs the patient;
- Shows sensitivity to patient's comfort and modesty.

3. Professional Qualities (score 2)

- Shows respect, commitment, empathy, and generates confidence;
- Responds adequately to discomfort and embarrassment;
- Responds appropriately to the need for privacy and information.

4. Problem analysis, clinical reasoning (score 2)

- Uses appropriately and selectively diagnostic procedures;
- Considers properly risks and profit.

5. Communication with the patient (score 2)

- Explains in understandable terms for the patient indications for examination and treatment;
- Asks for informed consent where necessary;
- Discusses the policy;
- Provides information in accordance with the law on patients' rights.
- Informs patient regarding disease prevention and healthy lifestyle.

DOPS 5 points (at least 2)
(Direct Observation of Procedural Skills)

Student:	
Lecturer:	

Assessed Competencies	Poor (0 points)	Fair (0.5 points)	Competent (1 point)
Preparation/aftercare/safety	?	?	?
Technical expertise	?	?	?
Clinical Reasoning/Judgement	?	?	?
Organization and efficiency	?	?	?
Professional conduct	?	?	?
Total score:			

Complexity of the task:	? Low	? Medium	? High
Time requirement:	Observation in min. _____	Feedback in min. _____	

Feedback

What was good?
What can be improved and how?

Date: _____

Student signature _____

Lecturer signature _____

Preparation/aftercare/safety

Explains to the patient the intervention procedure and risks and obtains his/her consent; has the necessary materials ready and checks them; instructs the patient and assisting personnel; positions patient optimally. Explains to the patient the necessary post-intervention measures and checks; explains to the patient the procedure in the event of complications. Correctly selects and uses disinfectant; works under sterile conditions; avoids endangerment of self and others.

Technical expertise

Technically correct application of procedure; performs intervention with skill and precision; works atraumatically; achieves a satisfactory result; removes required material correctly.

Clinical

reasoning / judgement

Defines indication correctly; selects appropriate medication and dosage; is knowledgeable of the anatomical geography, applied intervention steps and instruments.

Organization /Efficiency

Works systematically; appropriate documentation; preserves and labels correctly any material taken.

Professional Conduct

Shows empathy and respect towards the patient; maintains a professional relationship with medical personnel; assesses his/her own capabilities appropriately; asks for help when required; knows the regulatory framework.

Internship Evaluation

Performed/or observed Procedures (number)	ABSENT DAYS:
Total score:	
ASSESSMENT (DOPS):	ASSESSMENT (Mini Cex):
Total score:	Total score:
INTERNSHIP SUPERVISOR SIGNATURE:	
	Date: