

DEN3011 Clinical Medical Sciences in Dentistry-II

Course title	Code	Semester	Type of course	Course structure and volume (hours)			ECTS
Clinical Medical Sciences in Dentistry-II (Urology, Gynecology, venereology)	DEN3011	V	Mandatory	LECTURE	30	120	4
				Seminar	10		
				Teaching in Stimulatory environment (TSE)	12		
				Teaching in clinical environment (TCE)	6		
				Midterm EX.	1		
				FINAL EX.	2		
				INDEP. WORK	59		
Faculty, the educational program and level of education	School of Dental Medicine One cycle (5-years duration) Undergraduate Educational Program “Dentistry”						
Staff	Natalia Dorofeeva - Assistant professor, MD, PhD Mob.: 599 05 06 74, E-mail: natalia.dorofeeva@bauinternational.edu.ge Ani Chanishvili - Invited Teacher e-mail : ani.chanishvili@bauinternational.edu.ge Sabina Mejidova -invited teacher Mob.: +995 577 14 09 39 E-mail sabina.mejidova@bauinternational.edu.ge Personal one-to-one consultation can be arranged at an agreed upon date and time.						
Duration	4 weeks						
Prerequisite	DEN2001; DEN2003						
Aim	<p>The aim of the course is to give a student the knowledge about the Urologic, gynecologic and venereology diseases and dental approach to patients with above mentioned systemic diseases.</p> <p>This course aims to provide advanced knowledge and integrated knowledge about the development, structure, genetics and physiology of male/female urogenital system. In addition, its provide knowledge in the etiology, pathogenesis, epidemiology, clinical symptoms and signs, differential diagnosis and treatment of female and male genital diseases, also paying attention on prevention of these pathological conditions. Students will be able to interpret laboratory and other instrumental investigation results, and findings.</p>						

Methods of Teaching/Learning	Interactive lectures, Seminars, TCE and TSE
Assessment System and Criteria	<p>Attendance - student is obliged to attend 70% of the total number of the learning course</p> <p>The knowledge of the student is evaluated by 100 point-based evaluation system out of which 40 points is allocated for the current activity assessment, 20 for each midterm exam and 40 points for the final exam.</p> <p>1. Current activity assessment - 40 points, including the following:</p> <ul style="list-style-type: none"> • CBD - 3x10points=10 points; (calculating average) • DOPS – 3X5points=15 points; • Mini-CEX 3x5 points= 15 points; <p>Case Based Discussion (CBD) – 10 points</p> <p>Student will discuss cases in front of lecturer. Each case will be evaluated with maximum 10 points. There is 5 assessment component for each case:</p> <p>1. Defines the problem- 2 points What are the issues raised in this case? What are the pathological processes? What problems are you trying to resolve?</p> <p>2. Integrates information - 2 points What relevant information you have? How will the data/information/evidence you have will help you to make your decision? How did you use the data/information/evidence available to you in this case? What other information could have been useful?</p> <p>3. Prioritizes options of diagnostic methods - 2 points What are your options? Which did you choose? Why did you choose this particular one? What are the advantages/disadvantages of your decision? How do you balance them?</p> <p>4. Justifies decision of treatment - 2 points How do you justify your decision? What are the implications of your decision? What evidence/information have you to support your choice? Can you give an example? Can you apply it to this case?</p> <p>5. Upholds duties of a doctor - 2 points What ethical framework did you refer to in this case? How did you apply it? How did you establish the patient's point of view? What are your responsibilities/duties? How do they apply to this case? How did you make sure you observed them? Why are they important?</p> <p>Evaluation criteria for each five components: 2 points – in full compliance 1 point – partially compliant 0 points – non compliant</p> <p>Directly Observed Procedural Skills (DOPS) assessment criteria - 5 points Student will perform following practical assignments on the manikin:</p>

Assessed Competencies	Poor (0 points)	Fair (0.5 points)	Competent (1 point)
Preparation/aftercare/safety	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technical expertise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clinical Reasoning/Judgement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organization and efficiency/time management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Professional conduct	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Total score:			

Complexity of the task:	<input type="radio"/> Low	<input type="radio"/> Medium	<input type="radio"/> High
-------------------------	---------------------------	------------------------------	----------------------------

Mini clinical evaluation exercise (Mini-CEXs) 5 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 1)

- 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 1)

- 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 1)

- 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 (score1)

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

5. Communication with the patient (score 1)

- 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.

2. Midterm Exams - 20 points;

The exam is conducted in test form (50 MCQ. Max score 0.4) form. The highest possible score is 20.

Prerequisites for Final Exam are:

- Prerequisite for Final Exam is the situation when at least 70 % of the Mini-CEXs scores are achieved.
- 70% of learning course hours should be attended.

3. Final Exam - 40 points

Final Exam is conducted in a OSCE form;

8 Station (3 station in Urology, 3 stations in gynaecology, 2 stations in venereology) each max score -5 points;

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.

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%.

	<p>Within the educational component of the educational program, in case of FX assessment, a makeup exam is appointed no later than 5 days after announcement of the examination results.</p> <p>Positive scores:</p> <ul style="list-style-type: none"> • (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; <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>
The core literature	<p>Harrison's Principles of Internal Medicine vol-1- Dennis L.Kasper;Stephan L.Hauser; McGraw Hill Education; 19th ed; 2015;</p> <p>Harrison's Principles of Internal Medicine vol-2- Dennis L.Kasper;Stephan L.Hauser; McGraw Hill Education; 19th ed; 2015;</p>
The auxiliary literature	<p>Scully, Crispian. Scully's medical problems in dentistry. 7th ed. Edinburgh : Elsevier, 2014</p> <p>Manual of Nephrology By: Schrier, Robert W. Edition: Eighth edition. Philadelphia : Wolters Kluwer Health. 2015</p>

Learning Outcomes

NQF *	COURSE LEARNING OUTCOMES	PROG. LO	Lecture	Seminar	Teaching in simulation environment	Teaching in clinical environment	Midterm ex.	Final exam	ASSES. METH.
KNOWLEDGE AND AWARENESS	<p>The student:</p> <ul style="list-style-type: none"> Understands etiology, pathogenesis, diagnosis treatment and prevention of urology and gynecological emergencies Describes and determines etiology, risks, pathogenesis, diagnosis, differential diagnosis, treatment and prevention of main gynecological pathological conditions Recognizes the pathophysiology of urologic and venereology diseases, symptoms, including symptoms related to infection, and urologic malignancies, and emergency urological and conditions Assesses and classify the pathologic changes related to urogenital disease Recognizes the pharmacological properties of agents used for treatment of urogenital system disorders 	9.2 6.3	X	X		X	X	X	CBD Mini-Cex MCQ
SKILL	<ul style="list-style-type: none"> Performs basic urological, venereology and gynecological examination Collects all necessary information about history of disease based on the general principles of ethics and deontology and making an appropriate record 	1.1 6.3 8.1.		X	X	X		X	DOPS, Mini-CEX CBD OSCE

	<ul style="list-style-type: none">● Performs urethral catheterization, digital rectal examination and examination of testicles● Diagnoses and treats urinary and venereology infections and provide explanation and advice, using main etic and legal principles of medicine● Diagnoses renal colic and identify treatment options● Interprets laboratory investigation results;● identifies the needs and interests of the patient.								
RESP ONSI BILIT Y AND AUT ONO MY	<ul style="list-style-type: none">● manages information, solves the problem and makes a decision	11.1 11.2 11.3							CBD

Supplement 1
Learning Course Content

Days №	Topics	Lecture (hrs)	Seminar (hrs)	TSE (hrs)	TCE (hrs)
I	Pelvic Mass. Myoma etiology, pathogenesis, classification, basic clinical forms, diagnosis, treatment, prognosis. Ambiguous Genitalia. Acute Abdomen in Gynecological Practice. Genitourinary Trauma. Pelvic organ prolapses. Urinary Incontinence. Foreign Body of genital system. Endometriosis Specific and nonspecific infections of female genital tract. Sexually Transmitted Diseases, Benign and malignant disease of female genital tract CBD DOPS Mini CEX	10	3	4	2
II	. Urinary Lithiasis. Haematuria. MINI CEX Urinary Incontinence / Enuresis. Wilms Tumor. Prostate Cancer. Renal Anomalies. Cystic Diseases of the Kidney. Pelvic Organ Prolapse. . Urinary Tract Infections Urinary Tract Trauma. Urinary Retention. Benign Prostate Hyperplasia. CBL DOPS Mini CEX	10	3	4	2
III	MIDTERM (1H)	1			
III	Sexual Dysfunctions / Impotence. Male Infertility. Varicocele. Understands Testis. Ambiguous Genitalia. Hypospadias / Epispadias. Phimosis / Paraphimosis. Hydrocele. Scrotal / Inguinal Mass. Testicular Cancer. Testicular Tortion. Sexual Dysfunctions / Impotence. Male Infertility. DOPS CBD	10	3	4	
IV	Obstructive Uropathy. Genital Ulcers and Wounds. Dysuria. Urethral Discharge. Sexually Transmitted Infections Mini CEX CBD	10	1		2
XVIII-XXII	Final Exam	2			