

Name of the course	Urology			Code	
Type of study program Cycle	Integrated university study program, Medicine			Year of study	V
Credits (ECTS):	1.0	Semester	IX	Number of hours per semester (l+s+e)	30 10+10+10
Status of the course:	mandatory	Preconditions:		Comparative conditions:	/
Access to course:	Fifth year students			Hours of instructions:	According to schedule
Course teacher:	Davor Tomic, MD, PhD				
Consultations:	As agreed with students				
E-mail address and phone number:	urologija@skbm.ba; + 387 36 336 246 ; +387 63 297 907				
Associate teachers	Ivan Gilja, MD, PhD, Prof. Boris Ružić, MD, PhD, Prof. Borislav Spajić, MD., PhD, Prof Mario Kordić, MD., PhD, Ass.Prof. Safet Omerović, MD., PhD, Ass.Prof Katica Pavlović, MD., PhD Julijan Baranik, MD., Mrsc, Dino Zalihić, MD., Mrsc. Manuel Tipurić, MD. Mrsc. Vladimir Bekavac, MD. Mrsc.				
Consultations:	As agreed with students, An hour before and after the lectures				
E-mail address and phone number:					
The aims of the course:	The aims of the course are to make the students familiar with basic clinical skills, diagnostic procedures, urinary disorders, infectious urologic diseases, emergencies in urology, oncological urological diseases, diagnostic algorithms end diagnostic procedures and the different algorithms in the treatment of different urological diseases at the field of urology today.				
Learning outcomes (general and specific competences):	<ul style="list-style-type: none">- To explain and demonstrate the history taking skills and clinical urological examination of the patient, digital rectal examination, bimanual palpation of the urinary bladder, and external genitalia examination;- To describe and explain the basic diagnostic urologic procedures and laboratory analyses, and to describe and demonstrate the catheterization of the urinary bladder for men and women;- To describe and classify urological disorders and to interpret diagnostic and therapeutic options and approaches;- To describe, recognize and differentiate the etiology and classification of urinary tract infections (UTI), to assess the severity of UTI, to plan diagnostic procedures and define treatment options for UTI;- To recognize and analyze the emergencies in urology, to analyze diagnostic procedures in the urologic emergencies, and make plan for the treatment of emergencies;- To describe minimally invasive techniques in urology and modern endourological procedures;- To acquaint knowledge in terms of kidney transplantation;- To describe and explain the etiology, clinical signs and symptoms, diagnostic algorithms and treatment options in patients with urological malignancies.				
Course content (Syllabus):	The course of the Urology is organized through the lectures, exercises and seminars at the Medical School University of Mostar and at the Clinic of Urology University Hospital Mostar. Expected duration of the course is five days and the one day for the exams (written and oral examination). During the classes, the main topics from the outcomes are described and discussed with students in lectures and seminars. The practical part - excercises are performed at the Urology Clinic with the assistants as teachers and supervisors of the students training regarding clinical skills at the field of urology. At the end of the course of urology, after the lectures, seminars, and clinical practice, and after the successful completion of written and oral exam, students get 1.0 ECTS point.				
Format of instruction (mark in bold)	Lectures	Exercises	Seminars	Independent assignments	
	Consultations	Work with mentor	Field work	Other	
Student responsibilities	In accordance to Rules of studying and Deontological code for Mostar University Medical school students				
Screening student work (mark in bold)	Class attendance	Class participations	Seminar essay	Practical training	
	Oral exam	Written exam	Continuous assessment	Essay	
Detailed evaluation within a European system of points					
STUDENTS RESPONSIBILITIES	HOURS		PROPORTIONS OF ECTS CREDITS		PROPORTIONS OF GRADE
Class attendance and Participation	15		0.5		0%
Written exam	10		0.3		60%

Oral exam	5	0.2	40%
Total	30	1.0	100%
Further clarification:			
Final score: The final assessment is carried out according to the Regulation of Studies of the University of Mostar and applies to all study groups. According to the Regulations on studying final grade is obtained as follows: A = 91-100% 5 B = 79 to 90% 4 C = 67 to 78% 3 D = 55 to 66% 2 F = 0 to 54% 1			
Required literature:	Urology for Medical students and junior doctors, Ricky Ellis, 2020		
Optional literature:	Selected chapters of Smith's Urology 19 th edition, McGraw Hill 2019		
Additional information about the course	Methods of monitoring the quality of teaching: Student survey Quality control analysis Analysis of exam results External evaluation (team for quality control)		

Annexes: calendar classes

The number of teaching units	TOPICS AND LITERATURE
I.	Title: Urology as a clinical surgical discipline, from the beginning until today Basic laboratory findings and the diagnostic procedures at the field of urology Short description: Some facts from the history of urology from the beginning until today and the introduction of the basic laboratory and diagnostic procedures in urology Literature: Mandatory and optional; Lectures
II.	Title: Neurophysiology of the micturition, and the micturitional disorders, OAB, Neurogenic bladder; Urinary incontinence, diagnostic and the treatment, Surgical treatment of the UI Short description: Basic principles of the neurophysiology of the micturition and diagnosis and treatment of the different micturitional disorders Literature: Mandatory and optional; Lectures
III.	Title: Urinary obstruction and stasis, Diagnosis and the treatment Short description: Presenting the disturbances of the urine discharge at the different levels, clinical presentation and diagnostic and the treatment algorithms procedures Literature: Mandatory and optional; Lectures
IV.	Title: Urinary stone diseases, Diagnosis and the treatment algorithm Short description: Presentation of the urinary stone symptomatology, diagnostic procedures and the different ways of the treatment of the stones in urinary tract Literature: Mandatory and optional; Lectures
V.	Title: Urinary tract infections, diagnosis and the treatment Short description: Classification of the urinary infections, diagnostic procedures and the treatment options Literature: Mandatory and optional; Lectures
VI.	Title: Emergencies in Urology; Urogenital trauma Short description: Describe emergencies in Urology, Classification and the Diagnosis and the Management of the Urological trauma as a part of the urologic emergencies Literature: Mandatory and Optional; Lectures
VII.	Title: Benign Prostatic Enlargement Short description: Diagnostic and the treatment facts at the Benign prostatic enlargements Literature: Mandatory and Optional; Lectures
VIII.	Title: Renal Transplant basic facts Short description: Selection of the donor, Ethical principles of renal transplantation, surgery technique for the renal transplantation Literature: Mandatory and Optional; Lectures
IX.	Title: Basics in Endourology, New technology at the treatment of urological diseases through the minimally invasive procedures Short description: Basic information from the field of endourology, new technology in the treatment of urological diseases, as a different laser procedures, Robotic surgery in the fields of urology Literature: Mandatory and Optionals; Lectures
X.	Title: Renal and adrenal tumours (oncology part) Short description: Etiology, diagnostic and the treatment options for the renal and adrenal tumours Literature: Mandatory and Optional; Lectures
XI.	Title: Urinary bladder tumours, Upper tract tumours and ureteral tumors, Urethral tumours, Carcinoma of the prostate, penis and the testis Diagnostic and the treatment options Short description: Basic facts in the diagnosis and the treatment options in urologic oncology diseases, Surgical treatment of the prostate cancer and invasive carcinoma of the urinary bladder Literature: Mandatory and optional