

DEPARTMENT SHEET

ACADEMIC YEAR

2022- 2023

1. DATA ABOUT THE STUDY PROGRAM

1.1 Institution of higher education	UNIVERSITY OF MEDICINE AND PHARMACY OF CRAIOVA
1.2 Faculty	MEDICINE
1.3 Department	6
1.4 Study Domain	HEALTH
1.5 Study cycle	LICENCE
1.6 Study program/ Qualification	Medicine

2. DATA ABOUT THE DISCIPLINE

2.1 DISCIPLINE NAME	UROLOGY		
2.2. Discipline code	MED4206		
2.3 The holder of course activities	Assoc. Prof. Paul Tomescu MD, PhD, Assoc. Prof. George Mitroi MD, PhD, Lecturer Octavian Drăgoescu, PhD.		
2.4 The holder of seminar activities	Assoc. Prof. Paul Tomescu MD, PhD, Assoc. Prof. George Mitroi MD, PhD, Lecturer Octavian Drăgoescu MD, PhD, Assist. Prof. Lucian Stoica MD, PhD, Assist. Prof. Andrei Drocaș MD, PhD.		
2.5. Academic degree	Associated Professor, Lecturer, Assistant Professor		
2.6. Employment (base norm/associate)	Base norm		
2.7. Year of study	IV	2.8. Semester	II
2.9. Course type (content)		2.10. Regime of discipline (compulsoriness)	
		CSD	

3. TOTAL ESTIMATED TIME (hours per semester of teaching activity)

3.1 Number of teaching hours per semester	3	3.2 of which: lectures	1	3.3 Clinical stage	2
3.4 Total ore din planul de învățământ	42	3.5 of which: lectures	14	3.6 Clinical stage	28
Study time distribution					
Study from books, lectures, references and notes					8
Additional learning from the library, electronic platform and on field.					8
Study for clinical classes, assignments, essays, etc					8
Tutorial					3
Exams					3
Other activities, consultancy, student labs					3
3.7 Total hours individual study	33				
3.9 Total hours per semester	75				
3.10 Number of credits	3				

4. PREREQUISITES (Where applicable)

4.1 curriculum	Students must have knowledge of anatomy, physiology, general surgery, nephrology, imagistics.
4.2 competency	Basic surgical skills

5. CONDITIONS (Where applicable)

5.1. for lectures	Prepare in advance by individual study
5.2. for practical classes	Prepare in advance by individual study

6. SPECIFIC COMPETENCES ACCRUED

PROFESSIONAL COMPETENCES	C1 - To identify medical conditions and to establish the correct diagnosis of the urological condition (disease) or comorbidities. Understanding the specific patient circuit in urology and urology department.
	C2 – Appropriate therapeutic plan development according to specific urologic conditions. Learning medical and surgical emergency procedures. The ability to get help in any situation. Ability to use various surgical tools specific for urology. Ability to perform specific treatments that fall within his/her competence (injections, iv infusions, dressings, insertion/removal of urethral catheter, manage drain tubes, removing stiches, etc).
	C3 – Correct individual or collective professional injury risk evaluation, followed by appropriate preventive and corrective actions.
	C4 – To address health issues that are relevant or directly related to the social, economic and/or cultural community.
	C5 - To initiate and conduct a scientific research

TRANSVERSAL COMPETENCES	<p>CT1. Autonomy and responsibility</p> <ul style="list-style-type: none"> • acquisition of moral guidelines, training of professional and civic attitudes that allow students to be fair, honest, non-confrontational, cooperative and understanding in the face of suffering, ready to help people interested in community development needs; • to know, respect and contribute to the development of moral values and professional ethics; • learn to recognize when a problem arises and provide responsible solutions to solve them. <p>CT2. Social interaction;</p> <ul style="list-style-type: none"> • recognize and have respect for diversity and multiculturalism; • have or learn to develop teamwork skills; • to communicate orally and in writing requirements, working methods, results, consult with the team; • to get involved in volunteering, know the key issues of the community. <p>CT3. Personal and Professional Development</p> <ul style="list-style-type: none"> • to be open to lifelong learning, • aware of the need for individual study as the basis of personal autonomy and professional development; • to optimally exploit its potential in creative and collective activities; • ability to use information and communication technology.
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7. DISCIPLINE OBJECTIVES (based on the grid of specific competences acquired)

7.1 The general objective of the discipline	Upon completion of the discipline, the student should be able to recognize the signs and symptoms that characterize urological disorders, to develop diagnostic and therapeutic principles specific to urology.
7.2 The specific objectives of the discipline	<p>Upon completion of the discipline the student should be able of:</p> <ul style="list-style-type: none"> • Knowledge and understanding of the principles of treatment of urological diseases, • Mastering and continuous improvement of clinical thinking logical, integrated and flexible to operate effectively with the available data, • Explanation and interpretation of physiological and anatomical foundations highlighting their relationship with clinical and laboratory manifestations of urological diseases, • Deepening analytical and synthetic logic symptoms and clinical signs and the correct interpretation of laboratory investigations, • Integrating logical and organized with the basic theoretical data obtained through clinical examination, laboratory analysis and exploration operations into a single unit able to establish a diagnosis and as ^{fast}early as possible, • Mastering methodology and specific skills in clinical examination of urological patients (history, physical exam), interpretation of laboratory investigations (laboratory tests, Rx, Echo, Endoscopy, CT, R-MN, histopathology, etc) • Mastering preoperative preparation methodology and specific skills, including postoperative care, • Presentation clinically significant diagnostic and therapeutic aspect, • Assisting small operations and urological interventions, • Event of a positive and responsible attitude by cultivating an atmosphere of academic, intellectual motivating and instilling passion for medicine by promoting moral values and democratic • Optimally and its creative potential in integrated care that includes professional activity, • Emphasis permanent promotion, with a focus, research and scientific innovations, • To be able to integrate knowledge from other disciplines.

8. CONTENT

8.1 Course (content units)	Hours
1. Introduction. Urologic semiology. General Urology.	2
2. Urinary lithiasis	2
3. Urogenital infections.	2
4. Urogenital congenital disorders.	2
5. Urogenital trauma.	2
6. Urinary tract tumours.	2
7. Male genital tumours.	2
Total	14

BIBLIOGRAPHY	
1. Lectures.	
2. Tomescu P., Mitroi G. Urologie. Ed. Med. Univ. Craiova, 2021.	
3. European Association of Urology Guidelines 2020,	
4. Partin AW, Peters CA, Kavoussi LR, Dmowski RR, Wein AJ. Campbell-Walsh Urology 12th Ed., 2020	
5. Tomescu P., Mitroi G., Pănuș A., Drăgoescu O. Urologie. Ed. Med. Univ. Craiova, 2017.	
6. McAninch JW, Lue TF. Smith and Tanagho's General Urology 19 th ed. LANGE, 2020.	
7. Sinescu I., Gluck G. Tratat de Urologie. Editura Medicală, București, 2008	
8.2 Practical work (topics / themes)	
1. History, general clinical examination and local urological examination;	2
2. Laboratory examinations of the urologic patient;	2
3. Urinary tract imaging;	2
4. Ultrasound examination of the urogenital system;	2
5. Exploring the urologic patient by computed tomography, magnetic resonance imaging and radionuclide imaging;	2
6. Basic urologic instrumentation;	2
7. Urethral catheterization, urethra classical instrumentation (exploration, dilation, etc.), Ureteral catheterization.	2
8. Endoscopic exploration of lower urinary tract: Cystoscopy.	2
9. Endoscopic exploration of upper urinary tract: ureteroscopy, nephroscopy. Percutaneous nephrostomy.	2
10. Ultrasound Eco guided prostate biopsy.	2
11. Other therapeutic elementary manoeuvres: cystostomy, prostatic abscess drainage, etc.;	2
12. Preoperative preparation and postoperative patient care in urology;	2
13. Transurethral resection of the prostate (TUR-P); Transurethral resection of bladder tumours (TUR-V);	2
14. Internal optical urethrotomy (IOU);	2
Total	28

9. CORROBORATING THE DISCIPLINE CONTENT WITH THE EXPECTATIONS OF EPISTEMIC COMMUNITY REPRESENTATIVES, PROFESSIONAL ASSOCIATIONS AND EMPLOYEE REPRESENTATIVES RELATING TO THIS PROGRAM

- Department of Urology is a specialty discipline, required for a student to become a doctor.
- Knowledge, practical skills and attitudes learned in this discipline makes it possible to establish a correct diagnosis, comprehensive and timely surgical treatment of urological diseases requiring by rule an information rich baggage, well organized, structured on the fundamental concepts.
- Practical skills learned allow re perform specific manoeuvres and treatment of urological disorders.

10. METHODOLOGICAL LANDMARKS

Types of activity	Techniques of teaching / learning materials, resources: lecture, interactive group work, etc In case of special situations (alert states, emergency conditions, other types of situations that limit the physical presence of people) the activity can be carried out online using computer platforms approved by the Faculty / University. The online education process will be adapted accordingly to ensure the fulfilment of all the objectives provided in the discipline sheet
Course	Lecture, debate, questioning.
Practical work	Practical application, problem-solving, conversation, clinical cases, surgery.
Individual study	<i>Prior to courses, clinical training, exam (45 hours of individual study)</i>

11. RECOVERY PROGRAMME

Absences recoveries	No. absences that can recover	Location of deployment	Period	In charge	Scheduling of topics
	2	Urology Department	Weekly	Assist. Prof. Dr. Andrei Drocaș.	1-2 topics/day
Schedule consultations / Students' Scientific Program	-	Urology Department	Monthly	Assist. Prof. Dr. Andrei Drocaș.	Scheduled topics
Program for students poorly trained	-	Urology Department	Weekly	Assist. Prof. Dr. Andrei Drocaș.	Weekly topic

12. EVALUATION

Activity	Type of assessment	Methods of evaluation	Percentage of final grade
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Lecture	Formative assessment through debates and surveys during the semester Summative assessment during the exam	Multiple Choice Questions Answering System (MCQ)/MCQ with the help of the IT platform in the online version.	70%
Practical work	Periodic assessment during the semester Summative assesment during the exam	Clinical evaluation simultaneously with the MCQs / with the help of the video platform in the online version.	20%
Periodic assesment			
Lecture attendance			10%
Minimum performance standard			At least 50% for each component of the evaluation
13. GUIDANCE AND COUNSELLING PROGRAMS			
Professional guidance and counselling programs (2 hrs/months)			
Scheduling the hours		Location	In charge
2 hours		Urology department	Assist. Prof. Andrei Drocaș MD, PhD.

Endorsement date in the department: 27.09.2022

Department Director,
Prof. Univ. Dr. Valeriu ȘURLIN

Coordinator of study program,
Prof. Univ. Dr. Marius Eugen CIUREA

Discipline holder,
Conf. Univ. dr. Paul TOMESCU