

COURSE INFORMATION					
Course Title	Code	Semester	COURSE INFORMATION Lecture+Practice+Labrotory Hour	Credits	ECTS
UROLOGY (Clinical Clerkship)	MED507	Phase 5/9-10	27+ 36	3	3*

\* ECTS credits are the university credits of the courses in Yeditepe University, Faculty of Medicine, Undergraduate Medical Education Program

<b>Prerequisites</b>	The student that joins this course, should completed Phase 1, 2, 3 and 4 courses of medical faculty.
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<b>Language of Instruction</b>	English
<b>Course Level</b>	Second Cycle including First Cycle Degree (One Tier Programme)
<b>Course Type</b>	Compulsory
<b>Course Coordinator</b>	Faruk Yencilek, MD Prof
<b>Instructors</b>	Faruk Yencilek, MD Prof İlter ALKAN MD Assoc. Prof. Mustafa YÜKSEL MD Assist. Prof.
<b>Assistants</b>	
<b>Goals</b>	To convey necessary knowledge on pathology, symptomatology, clinics and pharmacology of urology diseases, to equip with skills and attitudes required for an appropriate approach to management of urology patients

Learning Outcomes	Programme Learning Outcomes	Teaching Methods	Assessment Methods
At the end of this clerkship, the student should be able to:			
1. Explain mechanisms for urine formation and renal hemodynamics.	1	1,2,3	A, C
2. Describe urgent urological disorders.	1,2,3,4	1,2,3	A, C
3. Describe disorders of kidney, ureter and bladder	1,2,3,4,7,8,9	1,2,3	A, C
4. Describe genital system disorders of male	1,2,3,7,8,9	1,2,3	A, C
5. Explain underlying reasons and pathologies of female incontinence	1,2,3,7,8	1,2,3	A, C

6. Evaluate urinary system pathologies	1,2,3,7,8	1,2,3,	A, C
7. Make physical examination of male urogenital system, female urinary system and female continence	3,8	1,2,3	A, C
8. Interpret results of laboratory and radiological examinations related to urologic disorders	9,10,11	1,2,3	A,C
9. Perform attachment of urethral catheter for male and female	13,14	1,2,3	A,C
10. Manage urgent urological and urogenital diseases	7,8,9,10,11,12,14	1,2,3	A,C

<b>Teaching Methods:</b>	1: Lecture, 2: Question-Answer, 3: Discussion,
<b>Assessment Methods:</b>	A: Testing C: Homework

COURSE CONTENT		
WEEK	SUBJECT	Study Materials
1	<b>Introductory to Urology</b>	Materials for the course provided by instructor
1	<b>Lecture</b> Urolithiasis	Materials for the course provided by instructor
1	<b>Lecture</b> Infertility	Materials for the course provided by instructor
1	<b>Lecture</b> Benign Prostatic Hyperplasia	Materials for the course provided by instructor
1	<b>Lecture</b> Urologic Emergency	Materials for the course provided by instructor
2	<b>Lecture</b> Testicular Cancer	Materials for the course provided by instructor
2	<b>Lecture</b> Bladder Cancer	Materials for the course provided by instructor
2	<b>Lecture</b> Prostate Cancer	Materials for the course provided by instructor
2	<b>Lecture</b> Kidney Cancer	Materials for the course provided by instructor
2	<b>Assessment Session</b>	Materials for the course provided by the instructor
2	<b>Program Evaluation Session</b> Review of the Exam Questions, Evaluation of the Program	Materials for the course provided by the instructor

<b>RECOMMENDED SOURCES</b>	
<b>Textbook</b>	<ul style="list-style-type: none"> <li>• Campbell Walsh Wein Urology by Alan W. Partin (Editor); Craig A. Peters (Editor); Louis R. Kavoussi (Editor); Roger R. Dmochowski (Editor); Alan J. Wein (Editor)</li> <li>• Hinman's Atlas of Urologic Surgery by Joseph A. Smith; Stuart S. Howards; Glenn M. Preminger; Roger R. Dmochowski</li> <li>• Smith and Tanagho's General Urology, 19th Edition by Jack W. McAninch; Tom F. Lue</li> </ul>

### ASSESSMENT

Questions Types (Pencil-Paper Tests)	Proportion (in Pencil-Paper Tests)
Multiple Choice Questions	90%
Extended Matching Questions	10%
<b>Total</b>	<b>100 %</b>
Pass/Fail Decision	Proportion (in Pass/Fail Decision)
Pencil-Paper Tests	100%
<b>Total</b>	<b>100 %</b>

<b>MATERIAL SHARING</b>	
<b>Documents</b>	Via google classroom
<b>Assignments</b>	Student ppt presentations
<b>Exams</b>	Not shared

<b>COURSE CATEGORY</b>	Expertise/Field Courses
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<b>COURSE'S CONTRIBUTION TO PROGRAM</b>						
	<b>PODG.1. Basic Professional Competencies</b>	<b>Contribution</b>				
	<b>POD.1.1. Clinical Competencies</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>PO.1.1.1.</b>	<b>values</b> preventive health services, <b>offers</b> primary prevention (i.e. prevention of diseases for the protection of health), secondary prevention (i.e. early diagnosis and treatment) tertiary prevention (i.e. rehabilitation) and quaternary prevention (i.e. prevention of excessive and unnecessary diagnosis and treatment) services, <b>provides</b> consultancy on these issues.					X
<b>PO.1.1.2.</b>	<b>employs</b> a patient-centered approach in patient management.					X
<b>PO.1.1.3.</b>	<b>recognizes</b> most frequently occurring or significant clinical complaints, symptoms, signs, findings and their emergence mechanisms in clinical conditions.					X

<b>PO.1.1.4.</b>	<b>takes</b> medical history from the applicant himself/herself or from the individual's companions.					X
<b>PO.1.1.5.</b>	<b>does</b> general and focused physical and mental examination.					X
<b>PO.1.1.6.</b>	<b>interprets</b> findings in medical history, physical and mental examination.					X
<b>PO.1.1.7.</b>	<b>employs</b> diagnostic procedures that are used frequently at the primary health care level.					X
<b>PO.1.1.8.</b>	<b>selects</b> tests that have evidence-based high efficacy at the primary health care level and <b>interprets</b> results.					X
<b>PO.1.1.9.</b>	<b>makes</b> clinical decisions using evidence-based systematic data in health care service.					X
<b>PO.1.1.10.</b>	<b>performs</b> medical interventional procedures that are used frequently at the primary health care level.					X
<b>PO.1.1.11.</b>	<b>manages</b> healthy individuals and patients in the context of health care services.					X
<b>PO.1.1.12.</b>	<b>keeps</b> medical records in health care provision and <b>uses</b> information systems to that aim.					X
	<b>POD.1.2. Competencies related to Communication</b>					
<b>PO.1.2.1.</b>	throughout his/her career, <b>communicates</b> effectively with health care beneficiaries, co-workers, accompanying persons, visitors, patient's relatives, care givers, colleagues, other individuals, organizations and institutions.				X	
<b>PO.1.2.2.</b>	<b>collaborates</b> as a team member with related organizations and institutions, with other professionals and health care workers, on issues related to health.				X	
<b>PO.1.2.3.</b>	<b>recognizes</b> the protection and privacy policy for health care beneficiaries, co-workers, accompanying persons and visitors.				X	
<b>PO.1.2.4.</b>	<b>communicates</b> with all stakeholders taking into consideration the socio-cultural diversity.				X	
	<b>POD.1.3. Competencies Related to Leadership and Management</b>					
<b>PO.1.3.1.</b>	<b>manages</b> and <b>leads</b> within the health care team in primary health care organization.			X		
<b>PO.1.3.2.</b>	<b>recognizes</b> the principles of health management and health sector economy, models of organization and financing of health care services.			X		
<b>PO.1.3.3.</b>	<b>recognizes</b> the resources in the health care service, the principles for cost-effective use.			X		
	<b>POD.1.4. Competencies related to Health Advocacy</b>					
<b>PO.1.4.1.</b>	<b>recognizes</b> the health status of the individual and the community and the factors affecting the health, <b>implements</b> the necessary measures to prevent effects of these factors on the health.				X	
<b>PO.1.4.2.</b>	<b>recognizes</b> and <b>manages</b> the health determinants including conditions that prevent access to health care.				X	
	<b>POD.1.5. Competencies related to Research</b>					
<b>PO.1.5.1.</b>	<b>develops, prepares</b> and <b>presents</b> research projects			X		
	<b>POD.1.6. Competencies related to Health Education and Counseling</b>					
<b>PO.1.6.1.</b>	<b>provides</b> consultancy services and <b>organizes</b> health education for the community to sustain and promote the health of individual and community.				X	
	<b>PODG.2. Professional Values and Perspectives</b>					
	<b>POD.2.1. Competencies related to Law and Legal Regulations</b>					

<b>PO.2.1.1.</b>	<b>performs</b> medical practices in accordance with the legal framework which regulates the primary health care service.			X		
<b>POD.2.2. Competencies Related to Ethical Aspects of Medicine</b>						
<b>PO.2.2.1.</b>	<b>recognizes</b> basic ethical principles completely, and <b>distinguishes</b> ethical and legal problems.					X
<b>PO.2.2.2.</b>	<b>pays importance to</b> the rights of patient, patient's relatives and physicians, and <b>provides</b> services in this context.					X
<b>POD.2.3. Competencies Related to Social and Behavioral Sciences</b>						
<b>PO.2.3.1.</b>	<b>relates</b> historical, anthropological and philosophical evolution of medicine, with the current medical practice.					X
<b>PO.2.3.2.</b>	<b>recognizes</b> the individual's behavior and attitudes and factors that determine the social dynamics of the community.					X
<b>POD.2.4. Competencies Related to Social Awareness and Participation</b>						
<b>PO.2.4.1.</b>	<b>leads</b> community with sense of responsibility, behavior and attitudes in consideration of individual behaviors and social dynamics of the community, and if there is a necessity, <b>develops</b> projects directed towards health care services.					X
<b>POD.2.5. Competencies Related to Professional Attitudes and Behaviors</b>						
<b>PO.2.5.1.</b>	<b>displays</b> a patient-centered and holistic (biopsychosocial) approach to patients and their problems.					X
<b>PO.2.5.2.</b>	<b>respects</b> patients, colleagues and all stakeholders in health care delivery.					X
<b>PO.2.5.3.</b>	<b>displays</b> the proper behavior in case of disadvantaged groups and situations in the community.					X
<b>PO.2.5.4.</b>	<b>takes</b> responsibility for the development of patient safety and healthcare quality.					X
<b>PO.2.5.5.</b>	<b>evaluates</b> own performance as open to criticism, <b>realizes</b> the qualifications and limitations.					X
<b>PODG.3. Professional Development and Self-Worth</b>						X
<b>PODG.3.1. Personal Development and Values</b>						
<b>PO.3.1.1.</b>	<b>embraces</b> the importance of lifelong self-learning and <b>implements</b> .					X
<b>PO.3.1.2.</b>	<b>embraces</b> the importance of updating knowledge and skills; <b>searches</b> current advancements and <b>improves</b> own knowledge and skills.					
<b>PO.3.1.3.</b>	<b>uses</b> English language at least at a level adequate to follow the international literature and to establish communication related to the profession.					
<b>POD.3.2. Competencies Related to Career Management</b>						
<b>PO.3.2.1.</b>	<b>recognizes</b> and <b>investigates</b> postgraduate work domains and job opportunities.				X	
<b>PO.3.2.2.</b>	<b>recognizes</b> the application requirements to postgraduate work/job domains, and <b>distinguishes</b> and <b>plans</b> any requirement for further training and work experience.				X	
<b>PO.3.2.3.</b>	<b>prepares</b> a resume, and <b>recognizes</b> job interview methods.				X	
<b>POD.3.3. Competencies Related to Protection and Development of Own Physical and Mental Health</b>						
<b>PO.3.3.1.</b>	<b>implements</b> the rules of healthy living.					X

<b>PO.3.3.2.</b>	<b>displays</b> appropriate behavior specific to work under stressful conditions.					<b>X</b>
<b>PO.3.3.3.</b>	<b>uses</b> self-motivation factors.					<b>X</b>

<b>ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION</b>			
Activities	Quantity day	Duration (Hour)	Total Workload (Hour)
Course Duration (2 weeks)	10	6,5	65
Hours for off-the-classroom study (Pre-study, practice, review/week)	10	2	20
Homework	-	-	-
Exam	1	2	2
<b>Total Work Load</b>			87
<b>Total Work Load / 30 (h)</b>			2.9
<b>ECTS Credit of the Course</b>			3