

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. Ali Cihangir Çetinel MD
<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.	1.1.6,2.1.1,2.5. 3,3.1.3,3.1.4	1,2,3	A, C
2. Describe urgent urological disorders.	1.1.6,2.1.1,2.5. 3,3.1.3,3.1.4	1,2,3	A, C
3. Describe disorders of kidney, ureter and bladder	1.1.6,2.1.1,2.5. 3,3.1.3,3.1.4	1,2,3	A, C
4. Describe genital system disorders of male	1.1.6,2.1.1,2.5. 3,3.1.3,3.1.4	1,2,3	A, C
5. Explain underlying reasons and pathologies of female incontinence	1.1.6,2.1.1,2.5. 3,3.1.3,3.1.4	1,2,3	A, C

6. Evaluate urinary system pathologies	1.1.6,2.1.1,2.5. 3,3.1.3,3.1.4	1,2,3,	A, C
7. Make physical examination of male urogenital system, female urinary system and female continence	1.1.6,2.1.1,2.5. 3,3.1.3,3.1.4	1,2,3	A, C
8. Interpret results of laboratory and radiological examinations related to urologic disorders	1.1.6,2.1.1,2.5. 3,3.1.3,3.1.4	1,2,3	A,C
9. Perform attachment of urethral catheter for male and female	1.1.6,2.1.1,2.5. 3,3.1.3,3.1.4	1,2,3	A,C
10. Manage urgent urological and urogenital diseases	1.1.6,2.1.1,2.5. 3,3.1.3,3.1.4	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

RECOMMENDED SOURCES	
<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>

MATERIAL SHARING	
<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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COURSES CONTRIBUTION TO PROGRAM					
COMPETENCE AREA-1 / Professional Practices	Contribution				
COMPETENCE 1.1. Health Service Provider	1	2	3	4	5
<b>Competency 1.1.1.</b> Integrates knowledge, skills, and attitudes acquired from basic and clinical medical sciences, behavioral sciences, and social sciences to provide health services.				X	
<b>Competency 1.1.2.</b> Demonstrates a biopsychosocial approach that considers the individual's sociodemographic and sociocultural background without discrimination based on language, religion, race, or gender in patient management.					X
<b>Competency 1.1.3.</b> Prioritizes the protection and improvement of individuals' and community's health in the delivery of healthcare services.					X
<b>Competency 1.1.4.</b> Performs the necessary actions in the direction of maintaining and improving the state of health as considering the individual, social, social and environmental factors affecting health.					X

<b>Competency 1.1.5.</b> Provides health education to healthy/ill individuals and their families, as well as to other healthcare professionals, by recognizing the characteristics, needs, and expectations of the target audience.				X	
<b>Competency 1.1.6.</b> Demonstrates a safe, rational, and effective approach in the processes of protection, diagnosis, treatment, follow-up, and rehabilitation in health service delivery.				X	
<b>Competency 1.1.7.</b> Performs interventional and/or non-interventional procedures safely and effectively for the patient in the processes of diagnosis, treatment, follow-up, and rehabilitation.					X
<b>Competency 1.1.8.</b> Provides healthcare services considering patient and employee health and safety.					X
<b>Competency 1.1.9.</b> Considers changes related to the physical and socio-economic environment at both regional and global scales that affect health, as well as changes in the individual characteristics and behaviors of those who seek healthcare services.				X	
<b>COMPETENCE AREA-2 / Professional Values and Approaches</b>	<b>Contribution</b>				
<b>COMPETENCE 2.1. Adopting Professional Ethics and Principles</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Competency 2.1.1.</b> Considers good medical practices while performing the profession.					X
<b>Competency 2.1.2.</b> Fulfills duties and obligations within the framework of ethical principles, rights, and legal responsibilities required by the profession.				X	
<b>Competency 2.1.3.</b> Demonstrates determined behavior in providing high-quality healthcare while considering the patient's integrity.					X
<b>Competency 2.1.4.</b> Evaluates own performance in professional practices by considering own emotions and cognitive characteristics.				X	
<b>COMPETENCE 2.2. Health Advocate</b>					
<b>Competency 2.2.1.</b> Advocates for the improvement of healthcare service delivery by considering the concepts of social accountability and social responsibility in the protection and enhancement of community health.					X
<b>Competency 2.2.2.</b> Plans and implements service delivery, education, and counseling processes related to individual and community health, in collaboration with all stakeholders, for the protection and improvement of health.					X
<b>Competency 2.2.3.</b> Evaluates the impact of health policies and practices on individual and community health indicators and advocates for the improvement of healthcare quality.					X
<b>Competency 2.2.4.</b> Gives importance to protecting and improving own physical, mental, and social health and takes necessary actions for it.					X
<b>COMPETENCE 2.3. Leader-Manager</b>					
<b>Competency 2.3.1.</b> Demonstrates exemplary behavior and leadership within the healthcare team during service delivery.					
<b>Competency 2.3.2.</b> Utilizes resources in a cost-effective, socially beneficial, and compliant manner with regulations in the planning, implementation, and evaluation processes of healthcare services as the manager in the healthcare institution.				X	
<b>COMPETENCE 2.4. Team Member</b>					
<b>Competency 2.4.1.</b> Communicates effectively within the healthcare team and takes on different team roles as necessary.					X
<b>Competency 2.4.2.</b> Displays appropriate behaviors while being aware of the duties and responsibilities of healthcare workers within the healthcare team.					X
<b>Competency 2.4.3.</b> Works collaboratively and effectively with colleagues and other professional groups in professional practice.					X
<b>COMPETENCE 2.5. Communicator</b>					

<b>Competency 2.5.1.</b> Communicates effectively with patients, their families, healthcare professionals, and other occupational groups, institutions and organizations.				<b>X</b>	
<b>Competency 2.5.2.</b> Communicates effectively with individuals and groups who require a special approach and have different sociocultural characteristics.				<b>X</b>	
<b>Competency 2.5.3.</b> Demonstrates a patient-centered approach that involves the patient in decision-making mechanisms during the diagnosis, treatment, follow-up, and rehabilitation processes.					<b>X</b>
<b>COMPETENCE AREA-3 / Professional and Personal Development</b>	<b>Contribution</b>				
<b>COMPETENCE 3.1. Scientific and Analytical Approach</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Competency 3.1.1.</b> Plans and implements scientific research, as necessary, for the population it serves, and utilizes the results obtained, as well as those from other research, for the benefit of the community.				<b>X</b>	
<b>Competency 3.1.2.</b> Accesses and critically evaluates current literature related to their profession.					<b>X</b>
<b>Competency 3.1.3.</b> Applies evidence-based medicine principles in the clinical decision-making process.					<b>X</b>
<b>Competency 3.1.4.</b> Uses information technologies to enhance the effectiveness of healthcare, research, and education activities.				<b>X</b>	
<b>COMPETENCE 3.2. Lifelong Learner</b>					
<b>Competency 3.2.1.</b> Manages effectively individual study processes and career development.					<b>X</b>
<b>Competency 3.2.2.</b> Demonstrates skills in acquiring, evaluating, integrating new information with existing knowledge, applying to professional situations, and adapting to changing conditions throughout professional career.				<b>X</b>	
<b>Competency 3.2.3.</b> Selects the right learning resources to improve the quality of health care and organizes the learning process.					<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