

COURSE INFORMATION					
Course Title	Code	Semester	Lecture+Practice+Labrotory Hour	Credits	ECTS
General Surgery	MED 404	Phase 4/7-8	30+87	8	8*

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

Prerequisites	The student that joins this course, should completed Phase 1, 2 and 3 courses of medical faculty.
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Language of Instruction	English
Course Level	Second Cycle including First Cycle Degree (One Tier Programme)
Course Type	Compulsory
Course Coordinator	Özcan Gökçe, M.D. Prof.
The instructors	<p><u>Yeditepe University Hospital</u></p> <p>Özcan Gökçe, MD. Prof. Neşet Köksal, MD. Prof. Erhan Ayşan, MD. Prof. Kinyas Kartal, MD. Assoc. Prof. Ali Ediz Kıvanç MD. Alper Kurt MD.</p> <p><u>Ministry Of Health İstanbul Training And Research Hospital</u></p> <p>Mert Mahsuni Sevinç, MD. Prof. Ufuk Oğuz İdiz, MD. Assoc Prof. Kenan Büyükaşık, MD. Assoc Prof. Aziz Arı, MD. Assoc Prof. Erdem Çakar, MD. Assoc Prof. Coşkun Çakır, MD. Assoc Prof</p>
Assistants	-
Goals	The course aims to assist trainees in gaining competence in knowledge, skills and attitudes related to general surgery, increasing their manners and gaining the notion of basic surgery.

Learning Outcomes	Programme Learning Outcomes	Teaching Methods	Assessment Methods
At the end of this clerkship, the student should be able to:			
Knowledge			
List the fluid compartments in the body and describe the distribution of fluids and electrolytes	3.1.2 3.1.4	1,2,3	A,C
Indicate the basic nutritional requirements of a patient	3.1.2 3.1.4		
Describe the clinical features and diagnostic tests of surgical thyroidal diseases	3.1.2 3.1.4		
Describe the clinical features and diagnostic tests of breast disorders	3.1.2 3.1.4		
Describe the symptoms, clinical features and diagnostic tests of acute gastrointestinal disorders	3.1.2 3.1.4		
Describe the symptoms, clinical features and diagnostic tests of gastric disorders	3.1.2 3.1.4		
Describe the symptoms, clinical features and diagnostic tests of colorectal disorders	3.1.2 3.1.4		
Describe functions and disorders of liver diseases	3.1.2 3.1.4		
Describe the symptoms, clinical features and diagnostic tests of pancreatic diseases	3.1.2 3.1.4		
Describe adequate physical examination	3.1.2 3.1.4		
Describe wound healing and surgical site infections	3.1.2 3.1.4		
Skills			
	2.1.1 3.1.2 2.1.2	1,2,3	A,C
Take an appropriate history from the patients			
	2.1.1 2.1.2 2.1.3		
Evaluate patients and perform proper physical examination			
	2.1.1 2.1.2 2.1.3		
Insert nasogastric tube			
	2.1.1 2.1.2 2.1.3		
Perform removal of drains			
	2.1.1 2.1.2 2.1.3		
Perform closure of surgical incisions			
	2.1.1 2.1.2 2.1.3		
Perform removal of sutures and staples			
	2.1.1 2.1.2 2.1.3		
Perform gowning and gloving in the operating room			

Attitudes			1,2,3	A,C
	1.1.1 1.1.9 2.5.1			
Acquire sympathetic attitude appropriate for dealing with patients	1.1.9			
Describe the importance and benefits of teamwork in the operating room and surgical ward	2.4.1 2.4.2 2.4.3			
Respect patient privacy and take care to keep their personal information confidential	1.1.1 1.1.9 2.2.1 2.5.1			

COURSE CONTENT		
Week	Topics	Study Materials
1	Periampullary and Pancreatic Malignancies	Materials for the course provided by the the instructor
1	Lecture Disease of Thyroid Gland and Parathyroid Glands	Materials for the course provided by the instructor
1	Lecture Fluid and Electrolyte Therapy	Materials for the course provided by the instructor
1	Lecture Disease of the Breast	Materials for the course provided by the instructor
1	Lecture Hernia	Materials for the course provided by the instructor
1	Lecture Evidence Based Medicine: Colorectal carcinoma- Anorectal Disease	Materials for the course provided by the instructor
1	Lecture Hydatic Disease of Liver, Liver Abscesses and Liver Tumors	Materials for the course provided by the instructor
1	Lecture Liver Transplantation, Kidney and Pancreas Transplantation	Materials for the course provided by the instructor
1	Lecture Wound Healing and Surgical Infections Surgical Nutrition	Materials for the course provided by the instructor
1	Lecture Evidence Based Medicine: Shock and its Treatment	Materials for the course provided by the instructor
1	Lecture Hemostasis,Surgical Bleeding and Transfusion GastroIntestinal Bleeding- Disorders of Coagulation	Materials for the course provided by the instructor
1	Lecture Benign and Malignant Diseases of the Oesophagus	Materials for the course provided by the instructor
1	Lecture Evidence Based Medicine: Acute Appendicitis, Inflammatory Bowel Diseases, Intestinal Obstruction	Materials for the course provided by the instructor
1	Lecture Abdominal Trauma, The Systemic Response to Injury	Materials for the course provided by the instructor

2	Lecture Acute Abdomen, Peritonitis, Physical Examination	Materials for the course provided by the instructor
2	Lecture Benign and Malignant Tumors of the Stomach, Bariatric Surgery	Materials for the course provided by the instructor
2	Lecture Gallbladder and Biliary Tract Diseases, Pancreatitis	Materials for the course provided by the instructor
2, 3, 4	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL (HTRH) –Clinical Training	

ASSESSMENT		
Questions Types (Pencil-Paper Tests)	Proportion (in Pass/Fail Decision)	Questions Types (Pencil-Paper Tests)
Multiple Choice Questions	%100	Multiple Choice Questions
Total	%100	Total
Other Assessment Methods and Tools	Proportion (in Pass/Fail Decision)	Other Assessment Methods and Tools
Oral Exam (OE)	%90	Oral Exam (OE)
Evaluation of Case Presentation	%10	
Total	%100	Total
	Pass/Fail Decision	Proportion (in Pass/Fail Decision)
Pencil-Paper Tests	%50	Pencil-Paper Tests
Oral Exam	%50	Other Assessment Methods and Tools
Total	%100	Total

MATERIAL SHARING	
Documents	Photocopy shareable.
Assignments	Not Shareable
Exams	Not shareable

COURSE CATEGORY	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
Competency 1.1.1. Integrates knowledge, skills, and attitudes acquired from basic and clinical medical sciences, behavioral sciences, and social sciences to provide health services.					x
Competency 1.1.2. 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.					
Competency 1.1.3. Prioritizes the protection and improvement of individuals' and community's health in the delivery of healthcare services.					
Competency 1.1.4. 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.					
Competency 1.1.5. 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.					
Competency 1.1.6. Demonstrates a safe, rational, and effective approach in the processes of protection, diagnosis, treatment, follow-up, and rehabilitation in health service delivery.					
Competency 1.1.7. Performs interventional and/or non-interventional procedures safely and effectively for the patient in the processes of diagnosis, treatment, follow-up, and rehabilitation.					
Competency 1.1.8. Provides healthcare services considering patient and employee health and safety.					
Competency 1.1.9. 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
COMPETENCE AREA-2 / Professional Values and Approaches	Contribution				
COMPETENCE 2.1. Adopting Professional Ethics and Principles	1	2	3	4	5
Competency 2.1.1. Considers good medical practices while performing the profession.					x
Competency 2.1.2. Fulfills duties and obligations within the framework of ethical principles, rights, and legal responsibilities required by the profession.				x	
Competency 2.1.3. Demonstrates determined behavior in providing high-quality healthcare while considering the patient's integrity.					x
Competency 2.1.4. Evaluates own performance in professional practices by considering own emotions and cognitive characteristics.					
COMPETENCE 2.2. Health Advocate					

Competency 2.2.1. 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
Competency 2.2.2. 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.					
Competency 2.2.3. Evaluates the impact of health policies and practices on individual and community health indicators and advocates for the improvement of healthcare quality.					
Competency 2.2.4. Gives importance to protecting and improving own physical, mental, and social health and takes necessary actions for it.					
COMPETENCE 2.3. Leader-Manager					
Competency 2.3.1. Demonstrates exemplary behavior and leadership within the healthcare team during service delivery.					
Competency 2.3.2. 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.					
COMPETENCE 2.4. Team Member					
Competency 2.4.1. Communicates effectively within the healthcare team and takes on different team roles as necessary.					x
Competency 2.4.2. Displays appropriate behaviors while being aware of the duties and responsibilities of healthcare workers within the healthcare team.					x
Competency 2.4.3. Works collaboratively and effectively with colleagues and other professional groups in professional practice.					x
COMPETENCE 2.5. Communicator					
Competency 2.5.1. Communicates effectively with patients, their families, healthcare professionals, and other occupational groups, institutions and organizations.					x
Competency 2.5.2. Communicates effectively with individuals and groups who require a special approach and have different sociocultural characteristics.					
Competency 2.5.3. Demonstrates a patient-centered approach that involves the patient in decision-making mechanisms during the diagnosis, treatment, follow-up, and rehabilitation processes.					
COMPETENCE AREA-3 / Professional and Personal Development	Contribution				
COMPETENCE 3.1. Scientific and Analytical Approach	1	2	3	4	5
Competency 3.1.1. 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.					
Competency 3.1.2. Accesses and critically evaluates current literature related to their profession.				x	
Competency 3.1.3. Applies evidence-based medicine principles in the clinical decision-making process.					
Competency 3.1.4. Uses information technologies to enhance the effectiveness of healthcare, research, and education activities.				x	
COMPETENCE 3.2. Lifelong Learner					
Competency 3.2.1. Manages effectively individual study processes and career development.					
Competency 3.2.2. Demonstrates skills in acquiring, evaluating, integrating new information with existing knowledge, applying to professional situations, and adapting to changing conditions throughout professional career.					
Competency 3.2.3. Selects the right learning resources to improve the quality of health care and organizes the learning process.					

Teaching Methods:	1: Lecture, 2: Question-Answer, 3: Discussion
Assessment Methods:	A: Testing B: Presentation C: Homework

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
Activities	Quantity/ day	Duration (Hour)	Total Workload (Hour)
Course Duration (4 weeks)	20	6	120
Hours for off-the-classroom study (Pre-study, practice, review/week)	20	6	120
Homework	-	-	-
Exam	2	2	4
Total Work Load			244
Total Work Load / 30 (h)			8,13
ECTS Credit of the Course			8