

<b>COURSE INFORMATION</b>						
<b>Course Title</b>	<i>Code</i>	<i>Semester</i>	<i>Lecture+Practice+Labrotory Hour</i>	<i>Credits</i>	<i>ECTS</i>	
General Surgery/Emergency Medicine (Clinical Internship)	MED 602	Phase 6 / 11-12	240	10	10*	

\* 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, 4 and 5 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>	Erhan Ayşan, MD. Prof.
<b>The instructors</b>	<p>Head of the Department of General Surgery: Özcan Gökçe, MD. Prof. Neşet Köksal MD. Prof. Erhan Ayşan MD. Prof. Kemal Peker. MD. Prof. Kinyas Kartal MD. MD. Assoc.Prof. Ali Ediz MD. MD. Assoc. Prof. Ertan Emek MD. Asist.Prof.</p> <p>Head of the Department of Emergency Medicine: Sezgin Sarıkaya, MD. Prof. Feridun Çelikmen, MD. Assist. Prof. Mustafa Yazıcıoğlu, MD. Assist. Prof. Cem Şimşek, MD. Assist. Prof. Emin Gökhan Gencer, MD. Assist. Prof. Hande Candemir, MD. Assist.Prof. Abuzer Kekeç, MD. Özkan Arslan, MD. Erman Uygun, MD</p>
<b>Assistants</b>	-
<b>Goals</b>	The purpose of the General Surgery internship is to train physicians who can manage the surgical digestive system, endocrine system, breast and emergency diseases, wound care and organ transplantation cases in primary health care institutions, consult the patient with other branches, organize treatment and/or follow-up, provide appropriate transport conditions and refer to health institutions when necessary.

<b>Learning outcomes</b> the end of this internship, student should be able to;	<b>Program Learning Outcomes</b>	<b>Teaching Methods</b>	<b>Assessment Methods</b>
General and symptom-based patient interview	1.1.3, 1.1.4, 1.1.5	1,2,3	B,C
Assessing mental status	1.1.3, 1.1.4, 1.1.5	1,2,3	B,C
Head-Neck and ENT examination	1.1.3, 1.1.5	1,2,3	B,C
Abdominal physical examination	1.1.3, 1.1.5	1,2,3	B,C
Digital rectal examination	1.1.3, 1.1.5	1,2,3	B,C
General condition and vital signs assessment	1.1.3, 1.1.5	1,2,3	B,C
Cardiovascular system examination	1.1.3, 1.1.5	1,2,3	B,C
Musculoskeletal system examination	1.1.3, 1.1.5	1,2,3	B,C
Breast and axillar region examination	1.1.3, 1.1.5	1,2,3	B,C
Respiratory system examination	1.1.3, 1.1.5	1,2,3	B,C
Urological examination	1.1.3, 1.1.5	1,2,3	B,C
Preparing forensic report	1.1.6, 1.1.12	1,2,3	B,C
Obtaining informed consent	1.1.12	1,2,3	B,C
Preparing epicrisis	1.1.6, 1.1.12	1,2,3	B,C
Preparing patient file	1.1.6, 1.1.12	1,2,3	B,C
Referring patient appropriately	1.1.6, 1.2.1	1,2,3	B,C
Preparing death certificate	1.1.6, 1.1.12	1,2,3	B,C

Preparing medical reports and notice	1.1.6, 1.1.12	1,2,3	B,C
Writing prescription	1.1.6, 1.1.9	1,2,3	B,C
Preparing treatment refusal form	1.1.12	1,2,3	B,C
Reading direct radiographs and assessment	1.1.7, 1.1.8	1,2,3	B,C
Measuring and assessing bleeding time	1.1.5, 1.1.6	1,2,3	B,C
Filling laboratory request form	1.1.8, 1.1.12	1,2,3	B,C
Interpretation of screening and diagnostic examination results	1.1.6, 1.1.9	1,2,3	B,C
Definition and management of forensic cases	1.1.2, 1.1.3, 1.1.4, 1.1.7, 1.1.9	1,2,3	B,C
Bandaging and tourniquet application	1.1.10	1,2,3	B,C
Establishing IV line	1.1.10	1,2,3	B,C
Incision and drainage of skin and soft tissue abscess	1.1.10	1,2,3	B,C
Restriction and stopping external bleeding	1.1.10	1,2,3	B,C
Hand washing	1.1.1	1,2,3	B,C
Appropriate patient transportation	1.2.1, 1.2.2, 1.3.3	1,2,3	B,C
Performing IM, IV, SC, ID injection	1.1.10	1,2,3	B,C
Urinary catheterization	1.1.10	1,2,3	B,C
Assessing disease / trauma severity score	1.1.6	1,2,3	B,C
Measuring blood pressure	1.1.5	1,2,3	B,C
Performing blood transfusion	1.1.9, 1.1.10	1,2,3	B,C
Obtaining sample for culture	1.1.9, 1.1.10	1,2,3	B,C
Enema administration	1.1.10	1,2,3	B,C
Nasogastric catheterization	1.1.10	1,2,3	B,C
Oral, rectal, vaginal and topical drug administration	1.1.10	1,2,3	B,C
Providing basic life support	1.1.10	1,2,3	B,C
Transferring amputated limb appropriate	1.1.9, 1.1.10	1,2,3	B,C
Care for burns	1.1.10	1,2,3	B,C
Superficial suturing and removal of sutures	1.1.10	1,2,3	B,C

<b>Teaching Methods:</b>	1: Lecture, 2: Bedside Teaching, 3: Small Group Discussion	
<b>Assessment Methods:</b>	A: MCQ B: OE C: SOE D:EMQ	
<b>COURSE CONTENT</b>		
<b>Hours</b>	<b>Topics</b>	<b>Study Materials</b>
1	<b>Introductory Session</b> (Introduction to General Surgery Intership Program)	Materials for the course provided by the the instructor
2	<b>Lesson</b> Multi-disciplinary case discussion	Materials for the course provided by the instructor
19	<b>Lesson</b> Student-Centred, Symptom-Based Learning Session	Materials for the course provided by the instructor

<b>NCC 2014 – Essential Medical Procedures (National Core Curriculum)</b>	<b>Performance Level</b>
General and symptom-based patient interview	4
Assessing mental status	4
Head-Neck and ENT examination	3
Abdominal physical examination	4
Digital rectal examination	3
General condition and vital signs assessment	4
Cardiovascular system examination	3
Musculoskeletal system examination	3
Breast and axillar region examination	4
Respiratory system examination	4
Urological examination	3
Preparing forensic report	3
Obtaining informed consent	4
Preparing epicrisis	4
Preparing patient file	4
Referring patient appropriately	4
Preparing death certificate	3
Preparing medical reports and notice	3
Writing prescription	4
Preparing treatment refusal form	4
Reading direct radiographs and assessment	3
Measuring and assessing bleeding time	3
Filling laboratory request form	4
Interpretation of screening and diagnostic examination results	3
Definition and management of forensic cases	3
Bandaging and tourniquet application	4
Establishing IV line	3
Incision and drainage of skin and soft tissue abscess	4
Restriction and stopping external bleeding	4
Hand washing	4
Appropriate patient transportation	4
Performing IM, IV, SC, ID injection	3
Urinary catheterization	3
Assessing disease / trauma severity score	4
Measuring blood pressure	4
Performing blood transfusion	2
Obtaing sample for cultre	3
Enema administration	3

Nasogastric catheterization	3
Oral, rectal, vaginal and topical drug administration	3
Providing basic life support	4
Transferring amputated limb appropriate	4
Care for burns	3
Superficial suturing and removal of sutures	3
<b>NCC 2014 – Essential Medical Procedures (National Core Curriculum)</b>	<b>Performance Level</b>
General and symptom-based patient interview	2
Assessing mental status	2
Psychiatric history taking	2
Examination of forensic cases	2
Anthropometric measurements	2
Head-Neck and ENT examination	2
Abdominal physical examination	2
Consciousness assessment and mood state examination	2
Child and newborn examination	2
Skin examination	2
Digital rectal examination	2
Obstetric examination	2
General condition and vital signs assessment	2
Eye, fundus examination	2
Gynecologic examination	2
Cardiovascular system examination	2
Musculoskeletal system examination	2
Breast and axillar region examination	2
Neurological examination	2
Respiratory system examination	2
Urological examination	2
Preparing forensic report	2
Obtaining informed consent	2
Preparing epicrisis	2
Preparing patient file	2
Referring patient appropriately	2
Preparing death certificate	2
Preparing medical reports and notice	2
Writing prescription	2
Preparing treatment refusal form	2
Providing decontamination, disinfection, sterilization, antiseptis	2
Reading direct radiographs and assessment	2
Taking and evaluating ECG	2
Measuring blood glucose level with glucometry	2
Stabilization of psychiatric emergency patient	2
Definition and management of forensic cases	2
"Airway" manipulation	2
Rational drug use	2
Preparing and applying splints	2
Bandaging and tourniquet application	2
Placement of anterior buffer and removal	2
Following child growth and development (Percentile graphics, Tanner classification)	2
Establishing IV line	2
Defibrillation	2
Incision and drainage of skin and soft tissue abscess	2
Restriction and stopping external bleeding	2
Hand washing	2
Intubation	2
Glascow-coma-scale assessment	2
Appropriate patient transportation	2
Giving patient recovery position	2
Removal of foreign body from airway with appropriate maneuver	2
Performing IM, IV, SC, ID injection	2
Urinary catheterization	2
Providing advanced life support	2

Suicide intervention	2
Measuring blood pressure	2
Performing blood transfusion	2
Thick removal	2
Enema administration	2
Performing lomber puncture	2
Gastric lavage	2
Minimental state examination	2
Nasogastric catheterization	2
Delivering oxygen and administering nebule-inhaler treatment	2
Cervical collar application	2
Providing basic life support	2
Noenatal resuscitation	2
Superficial suturing and removal of sutures	2

### RECOMMENDED SOURCES

#### Textbook

- 1- Schwartz's Principles of Surgery, 11th edition
- 2- Sabiston Textbook of Surgery: The Biological Basis of Modern Surgical Practice, 20th edition

### ASSESSMENT

#### Assessment Methods and Tools

**Proportion  
(in  
Pass/Fail  
Decision)**      **Other  
Assessment  
Methods and  
Tools**

Evaluation of overall clinical preformance both in hospital and outpatient clinics, case papers, the attitudes toward patients, interest in psychiatry, participation in seminars and overnight calls, regular attendance at scientific meetings, lectures and case conferences, the level of scientific and practical knowledge and consulting skills

100%

**Total** 100%

**Total**

### MATERIAL SHARING

**Documents**      Photocopy shareable.

**Assignments**      Not Shareable

**Exams**      Not shareable

### COURSE CATEGORY

Expertise / Field Courses

COURSE'S CONTRIBUTION TO PROGRAM						
	PODG.1. Basic Professional Competencies	Contribution				
	POD.1.1. Clinical Competencies	1	2	3	4	5
PO.1.1.1.	<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.					
PO.1.1.2.	<b>employs</b> a patient-centered approach in patient management.					X
PO.1.1.3.	<b>recognizes</b> most frequently occurring or significant clinical complaints, symptoms, signs, findings and their emergence mechanisms in clinical conditions.				X	
PO.1.1.4.	<b>takes</b> medical history from the applicant himself/herself or from the individual's companions.					
PO.1.1.5.	<b>does</b> general and focused physical and mental examination.				X	
PO.1.1.6.	<b>interprets</b> findings in medical history, physical and mental examination.				X	
PO.1.1.7.	<b>employs</b> diagnostic procedures that are used frequently at the primary health care level.			X		
PO.1.1.8.	<b>selects</b> tests that have evidence-based high efficacy at the primary health care level and <b>interprets</b> results.					
PO.1.1.9.	<b>makes</b> clinical decisions using evidence-based systematic data in health care service.			X		
PO.1.1.10.	<b>performs</b> medical interventional procedures that are used frequently at the primary health care level.					
PO.1.1.11.	<b>manages</b> healthy individuals and patients in the context of health care services.					
PO.1.1.12.	<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>					
PO.1.2.1.	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		
PO.1.2.2.	<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	
PO.1.2.3.	<b>recognizes</b> the protection and privacy policy for health care beneficiaries, co-workers, accompanying persons and visitors.				X	
PO.1.2.4.	<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>					
PO.1.3.1.	<b>manages</b> and <b>leads</b> within the health care team in primary health care organization.					

<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.					
<b>PO.1.3.3.</b>	<b>recognizes</b> the resources in the health care service, the principles for cost-effective use.					
	<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.					
<b>PO.1.4.2.</b>	<b>recognizes</b> and <b>manages</b> the health determinants including conditions that prevent access to health care.					
	<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					
	<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.					
	<b>POD.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.					
<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.					
	<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.					
	<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.					
<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.					



<b>PO.2.5.4.</b>	<b>takes</b> responsibility for the development of patient safety and healthcare quality.					
<b>PO.2.5.5.</b>	<b>evaluates</b> own performance as open to criticism, <b>realizes</b> the qualifications and limitations.					
<b>PODG.3. Professional Development and Self-Worth</b>						
<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> .					
<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.					
<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.					
<b>PO.3.2.3.</b>	<b>prepares</b> a resume, and <b>recognizes</b> job interview methods.					
<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.					
<b>PO.3.3.2.</b>	<b>displays</b> appropriate behavior specific to work under stressful conditions.					
<b>PO.3.3.3.</b>	<b>uses</b> self-motivation factors.					

<b>ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION</b>			
Activities	Quantity day	Duration (Hour)	Total Workload (Hour)
Course Duration (8 weeks)	40	6	240
Hours for off-the-classroom study (Pre-study, practice, review/week)	40	1.5	60
Homework	-	-	-
Exam	1	2	2
<b>Total Work Load</b>			302
<b>Total Work Load / 30 (h)</b>			10.06
<b>ECTS Credit of the Course</b>			10