

COURSE INFORMATION						
Course Title	Code	Semester	Lecture+Practice+Labrotory Hour	Credits	ECTS	
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

Prerequisites	The student that joins this course, should completed Phase 1, 2, 3, 4 and 5 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	Kinyas Kartal, MD. Assoc. Prof.
The instructors	<p>Özcan Gökçe, MD. Prof. Neşet Köksal, MD. Prof. Erhan Ayşan, MD . Prof. Kinyas Kartal, MD. Assist. Prof.</p> <p>Head of the Department of Emergency Medicine: Sezgin Sarıkaya, MD. Prof. Pınar Tura, MD. Assist. Prof. M.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. Erman Uygun, MD, Emergency Med. Specialist Abuzer Kekeç, MD. Emergency Med. Specialist</p>
Assistants	-
Goals	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.

Learning outcomes the end of this internship, student should be able to;	Program Learning Outcomes	Teaching Methods	Assessment Methods
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

Teaching Methods: 1: Lecture, 2: Bedside Teaching, 3: Small Group Discussion

Assessment Methods: A: MCQ B: OE C: SOE D:EMQ

COURSE CONTENT		
Hours	Topics	Study Materials
1	Introductory Session (Introduction to General Surgery Internship Program)	Materials for the course provided by the the instructor
2	Lesson Multi-disciplinary case discussion	Materials for the course provided by the instructor
19	Lesson Student-Centred, Symptom-Based Learning Session	Materials for the course provided by the instructor

NCC 2014 – Essential Medical Procedures (National Core Curriculum)	Performance Level
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

NCC 2014 – Essential Medical Procedures (National Core Curriculum)	Performance Level
General and symptom-based patient interview	2
Assessing mental status	2
Psychiatric history taking	2
Examination of forensic cases	2
Antropometric 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, antisepsis	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
Glasgow-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
Minimal state examination	2
Nasogastric catheterization	2
Delivering oxygen and administering nebulizer treatment	2
Cervical collar application	2
Providing basic life support	2
Neonatal 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 performance 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
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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.	values preventive health services, offers 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, provides consultancy on these issues.					
PO.1.1.2.	employs a patient-centered approach in patient management.					X
PO.1.1.3.	recognizes most frequently occurring or significant clinical complaints, symptoms, signs, findings and their emergence mechanisms in clinical conditions.				X	
PO.1.1.4.	takes medical history from the applicant himself/herself or from the individual's companions.					
PO.1.1.5.	does general and focused physical and mental examination.				X	
PO.1.1.6.	interprets findings in medical history, physical and mental examination.				X	
PO.1.1.7.	employs diagnostic procedures that are used frequently at the primary health care level.			X		
PO.1.1.8.	selects tests that have evidence-based high efficacy at the primary health care level and interprets results.					
PO.1.1.9.	makes clinical decisions using evidence-based systematic data in health care service.			X		
PO.1.1.10.	performs medical interventional procedures that are used frequently at the primary health care level.					
PO.1.1.11.	manages healthy individuals and patients in the context of health care services.					
PO.1.1.12.	keeps medical records in health care provision and uses information systems to that aim.					X
	POD.1.2. Competencies related to Communication					
PO.1.2.1.	throughout his/her career, communicates 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.	collaborates 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.	recognizes the protection and privacy policy for health care beneficiaries, co-workers, accompanying persons and visitors.				X	
PO.1.2.4.	communicates with all stakeholders taking into consideration the socio-cultural diversity.					X
	POD.1.3. Competencies Related to Leadership and Management					
PO.1.3.1.	manages and leads within the health care team in primary health care organization.					
PO.1.3.2.	recognizes the principles of health management and health sector economy, models of organization and financing of health care services.					
PO.1.3.3.	recognizes the resources in the health care service, the principles for cost-effective use.					
	POD.1.4. Competencies related to Health Advocacy					

PO.1.4.1.	recognizes the health status of the individual and the community and the factors affecting the health, implements the necessary measures to prevent effects of these factors on the health.					
PO.1.4.2.	recognizes and manages the health determinants including conditions that prevent access to health care.					
	POD.1.5. Competencies related to Research					
PO.1.5.1.	develops, prepares and presents research projects					
	POD.1.6. Competencies related to Health Education and Counseling					
PO.1.6.1.	provides consultancy services and organizes health education for the community to sustain and promote the health of individual and community.					
	PODG.2. Professional Values and Perspectives					
	POD.2.1. Competencies related to Law and Legal Regulations					
PO.2.1.1.	performs medical practices in accordance with the legal framework which regulates the primary health care service.					X
	POD.2.2. Competencies Related to Ethical Aspects of Medicine					
PO.2.2.1.	recognizes basic ethical principles completely, and distinguishes ethical and legal problems.					X
PO.2.2.2.	pays importance to the rights of patient, patient's relatives and physicians, and provides services in this context.					X
	POD.2.3. Competencies Related to Social and Behavioral Sciences					
PO.2.3.1.	relates historical, anthropological and philosophical evolution of medicine, with the current medical practice.					
PO.2.3.2.	recognizes the individual's behavior and attitudes and factors that determine the social dynamics of the community.					
	POD.2.4. Competencies Related to Social Awareness and Participation					
PO.2.4.1.	leads 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, develops projects directed towards health care services.					
	POD.2.5. Competencies Related to Professional Attitudes and Behaviors					
PO.2.5.1.	displays a patient-centered and holistic (biopsychosocial) approach to patients and their problems.					
PO.2.5.2.	respects patients, colleagues and all stakeholders in health care delivery.			X		
PO.2.5.3.	displays the proper behavior in case of disadvantaged groups and situations in the community.					
PO.2.5.4.	takes responsibility for the development of patient safety and healthcare quality.					
PO.2.5.5.	evaluates own performance as open to criticism, realizes the qualifications and limitations.					
	PODG.3. Professional Development and Self-Worth					
	PODG.3.1. Personal Development and Values					

PO.3.1.1.	embraces the importance of lifelong self-learning and implements .					
PO.3.1.2.	embraces the importance of updating knowledge and skills; searches current advancements and improves own knowledge and skills.					
PO.3.1.3.	uses English language at least at a level adequate to follow the international literature and to establish communication related to the profession.					
POD.3.2. Competencies Related to Career Management						
PO.3.2.1.	recognizes and investigates postgraduate work domains and job opportunities.					
PO.3.2.2.	recognizes the application requirements to postgraduate work/job domains, and distinguishes and plans any requirement for further training and work experience.					
PO.3.2.3.	prepares a resume, and recognizes job interview methods.					
POD.3.3. Competencies Related to Protection and Development of Own Physical and Mental Health						
PO.3.3.1.	implements the rules of healthy living.					
PO.3.3.2.	displays appropriate behavior specific to work under stressful conditions.					
PO.3.3.3.	uses self-motivation factors.					

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
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
Total Work Load			302
Total Work Load / 30 (h)			10.06
ECTS Credit of the Course			10