

Medicine			
Bachelor	TR-NQF-HE: Level 7	QF-EHEA: Second Cycle	EQF-LLL: Level 7

Course Introduction and Application Information

Course Code:	TIP604		
Course Name:	Surgical Diseases		
Semester:	Fall		
Course Credits:	ECTS		
	5		
Language of instruction:	Turkish		
Course Condition:			
Does the Course Require Work Experience?:	No		
Type of course:	Compulsory Courses		
Course Level:	Bachelor	TR-NQF-HE:7. Master`s Degree	QF-EHEA:Second Cycle
			EQF-LLL:7. Master`s Degree
Mode of Delivery:	Face to face		
Course Coordinator:	Prof. Dr. NURİYE TAŞDELEN FİŞGIN		
Course Lecturer(s):	Prof. Dr. Ayhan Dinçkan Prof. Dr. Levhi Akın Prof. Dr. Emre Merdan Fayda Prof. Dr. M.Mahir Özmen Prof. Dr. Aziz Sümer Prof. Dr. Mehmet Eser Doç. Dr. Mehmet Tokaç Doç. Dr. Ömer Vefik		

Özozan Dr. Öğr. Üyesi Çağhan Pekşen Dr. Öğr. Üyesi Eryiğit Eren Dr. Öğr. Üyesi Bahar Canbay
Torun Prof. Dr. Kamil Toker Prof. Dr. Simru Tuğrul Prof. Dr. Müslüm Çiçek Prof. Dr. Kader
Keskinbora Dr. Öğr. Üyesi Hakan Parlak Dr. Öğr. Üyesi Erkan Bayram Dr. Öğr. Üyesi Gökhan
Teker Dr. Öğr. Üyesi Taylan Şahin Prof. Dr. Çağatay Öztürk Prof. Dr. Ramazan Erden Ertürer Doç.
Dr. Haluk Çabuk Dr. Öğr. Üyesi Gökhan Kürşat Kara Dr. Öğr. Üyesi Hüseyin Bahadır Gökçen Dr.
Öğr. Üyesi Kaya Turan

Course
Assistants:

Course Objective and Content

Course Objectives:	To train physicians who can diagnose and regulate the treatment of basic surgical diseases that are common, important and may require urgent intervention.
Course Content:	<p>It covers the basic information, surgical approach, management and treatment practices of surgical diseases that are common in emergency and clinic, covering the learning objectives specified in the Core Education Program in the field of surgery.</p> <p>It covers the symptoms and signs, diagnosis and treatment principles of diseases in adult patients, including the learning objectives specified in the Core Education Program in the field of orthopedics and traumatology.</p> <p>It covers basic and advanced life support, airway management and oxygen therapy, evaluation of the basic principles of intensive care and treatment methods.</p> <p>It covers bedside practices, treatment practices, emergency intervention, prescribing, attending surgery, attending seminars and department meetings, shifts, case discussions.</p>

Learning Outcomes

The students who have succeeded in this course;

- 1) Takes anamnesis from the surgical patient and performs the examination.
- 2) Makes the basic diagnosis of surgical diseases and makes treatment attempts.
- 3) Makes preoperative preparations.
- 4) Makes postoperative follow-up.
- 5) Takes anamnesis and physical examination from patients who apply with orthopedic complaints.
- 6) Makes diagnosis and differential diagnosis approach in patients who apply with orthopedic complaints and organizes their treatment.
- 7) Knows to provide airway patency with different methods in elective and emergency conditions.
- 8) Knows the indications, complications, and treatments of blood transfusion.
- 9) Knows blood gas evaluation.
- 10) Knows the general principles of intensive care, applies the basic monitoring methods.

Course Flow Plan

Week	Subject	Related Preparation
1)	Reading and evaluating direct radiographs Musculoskeletal System Examination Ability to	There is no

	Apply Splint, Bandage, Tourniquet To be able to carry the limb severed after trauma appropriately Airline Management venous catheterization Interventional pain management methods blood gas analysis Bedside evaluation Intensive care Policlinic Operation Service Shift	preparation-course material.
2)	Reading and evaluating direct radiographs Musculoskeletal System Examination Ability to Apply Splint, Bandage, Tourniquet To be able to carry the limb severed after trauma appropriately Airline Management venous catheterization Interventional pain management methods blood gas analysis Bedside evaluation Intensive care Policlinic Operation Service Shift	There is no preparation-course material.
3)	Reading and evaluating direct radiographs Musculoskeletal System Examination Ability to Apply Splint, Bandage, Tourniquet To be able to carry the limb severed after trauma appropriately Airline Management venous catheterization Interventional pain management methods blood gas analysis Bedside evaluation Intensive care Policlinic Operation Service Shift	There is no preparation-course material.
4)	Reading and evaluating direct radiographs Musculoskeletal System Examination Ability to Apply Splint, Bandage, Tourniquet To be able to carry the limb severed after trauma appropriately Airline Management venous catheterization Interventional pain management methods blood gas analysis Bedside evaluation Intensive care Policlinic Operation Service Shift	There is no preparation-course material.

Sources

Course Notes / Textbooks:	Dersin kaynak kitabı bulunmamaktadır. The course does not have a mandatory resource.
References:	<p>Dersin konuları ile ilgili güncel makaleler ve ders slaytları./Articles mentioned in the course related with topics and lecture slides.</p> <p>Temel Kaynaklar/Basic Sources:</p> <ol style="list-style-type: none"> 1-Genel Cerrahi, Tamer Akça, GK Çakmak, AU Ural 2-Schwartz Cerrahinin İlkeleri, F. Charles Brunicaudi, Çeviri: M. Mahir Özmen 3-Temel Cerrahi El Kitabı, İskender Sayek 4-Schwartz's Principles of Surgery. Editor-in-chief: F. Charles Brunicaudi, Associate editors: Dana K. Andersen, Timothy R. Billiar, David L. Dunn, John G. Hunter, Jeffrey B. Matthews, Raphael E. Pollock. New York: McGraw-Hill Education, 11th edition, 2019. 5-Sabiston Textbook of Surgery: The Biological Basis of Modern Surgical Practice. [Edited by] Courtney M. Townsend, Jr, R. Daniel Beauchamp, B. Mark Evers, Kenneth L. Mattox. Philadelphia, PA: Elsevier/Saunders, 20th edition, 2017. 6-Rosen's Emergency Medicine: Concepts And Clinical Practice, Ninth Edition, Philadelphia, PA: Elsevier, 2018. 7- Tintinalli's Emergency Medicine: a Comprehensive Study Guide, Seventh Edition, 2013. 8- Cander Acil Tıp Temel Başvuru Kitabı, First Edition, 2016.

- 9- First Aid For The Emergency Medicine Boarda, Second Edition, 2012.
 10 ATLS (Advanced Trauma Life Support), The American College of Surgeons, Tenth Edition, 2018.
 11- AHA(American Heart Association) CPR and ECC Guidelines, 2020.
 12- Campbell operative orthopedics
 13- Rockwood and Green's fractures in adults
 14- Rockwood and Green's fractures in children
 15- Tachdjian'ın Pediatrik Ortopedi
 16- Clinical Anaesthesia. Barash P., Cullen BF., Stoelting R. 5th Edition Lippincott Williams & Wilkins, 2006.
 17- Basics of Anesthesia Miller R. 6th Edition Elsevier.

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3	4	5	6	7	8	9	10
Program Outcomes										
1) When Istinye University Faculty of Medicine student is graduated who knows the historical development of medicine, medical practices, and the medical profession and their importance for society.	1	1	1	1	1	1	1	1	1	1
2) knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.	3	3	3	3	3	3	3	3	3	3
3) is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.	3	3	3	3	3	3	3	3	2	3
4) knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests.	3	3	3	3	3	3	3	2	2	2
5) can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.	3	3	1	1	3	3	3	1	3	3
6) knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.	2	3	1	1	3	3	3		1	2

Course Learning Outcomes	1	2	3	4	5	6	7	8	9	10
7) can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.	3	3	3	3	3	3	3	3	3	3
8) knows the clinical decision-making process, evidence-based medicine practices and current approaches.	3	3	3	3	3	3	3	3	3	3
9) knows and applies the basic principles of preventive health measures and the protection of individuals from diseases and improving health, and recognizes the individual and/or society at risk, undertakes the responsibility of the physician in public health problems such as epidemics and pandemics.	2	2			2	2	1	1	1	3
10) knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.	3	3	1	1	3	3	3	3	3	3
11) is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.	3	3	3	3	3	3	3	3	1	3
12) knows the techniques, methods and rules of researching. It contributes to the creation, sharing, implementation and development of new professional knowledge and practices by using science and scientific method within the framework of ethical rules.	1	1			2	2	2	1	1	3
13) can collect health data, analyze them, present them in summary, and prepare forensic reports.	3	3	1	1	3	3	3	2	1	3
14) knows the place of physicians as an educator, administrator and researcher in delivery of health care. It takes responsibility for the professional and personal development of own and colleagues in all interdisciplinary teams established to increase the health level of the society.	3	2	3	3	3	3	3	2	1	3
15) knows employee health, environment and occupational safety issues and takes responsibility when necessary.	1	1	1	2	1	1	2	1	1	3
16) knows health policies and is able to evaluate their effects in the field of application.	1	1	1	1	1	1	1	1	1	2

Course Learning Outcomes	1	2	3	4	5	6	7	8	9	10
17) keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.	3	3	2	2	3	3	3	3	3	3
18) applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.	3	3	3	3	3	3	3	1	2	3

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	When Istinye University Faculty of Medicine student is graduated who knows the historical development of medicine, medical practices, and the medical profession and their importance for society.	1
2)	knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.	3
3)	is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.	3
4)	knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests.	3
5)	can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.	2
6)	knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.	2
7)	can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.	3
8)	knows the clinical decision-making process, evidence-based medicine practices and current approaches.	3

9)	knows and applies the basic principles of preventive health measures and the protection of individuals from diseases and improving health, and recognizes the individual and/or society at risk, undertakes the responsibility of the physician in public health problems such as epidemics and pandemics.	1
10)	knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.	3
11)	is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.	3
12)	knows the techniques, methods and rules of researching. It contributes to the creation, sharing, implementation and development of new professional knowledge and practices by using science and scientific method within the framework of ethical rules.	1
13)	can collect health data, analyze them, present them in summary, and prepare forensic reports.	2
14)	knows the place of physicians as an educator, administrator and researcher in delivery of health care. It takes responsibility for the professional and personal development of own and colleagues in all interdisciplinary teams established to increase the health level of the society.	3
15)	knows employee health, environment and occupational safety issues and takes responsibility when necessary.	1
16)	knows health policies and is able to evaluate their effects in the field of application.	1
17)	keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.	3
18)	applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.	3

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Special Course Internship (Work Placement)	1	% 100
total		% 100
PERCENTAGE OF SEMESTER WORK		% 100
PERCENTAGE OF FINAL WORK		%
total		% 100

Workload and ECTS Credit Calculation

Activities	Number of Activities	Workload
Special Course Internship (Work Placement)	8	120
Total Workload		120