

Board Code and Name	MEDICINE 104: INTRODUCTION TO CLINICAL SCIENCES
Term of the Board	2nd Semester / Spring Semester
Course Hours of the Board (Theoretical/ Application)	96/34
ECTS of the Board	6
Language of the Board	Turkish
Type of Board	Imperative
Board's Learning and Teaching Techniques	1. Theoretical Lecture 2. Practice/ Exercise 3. Assignments/ Research 4. Q&A 5. Argument 6. Observation 7. Team/Group Work
Measurement Techniques of the Board	1. Written Exam 2. Practice Exam
Responsible(s) of the Board	Prof. Dr. Mehtap Özkur, Chair of the Course Board Assist. Prof. Dr. Tuba Denkçeken, Vice President of the Course Board Assist. Prof. H. İbrahim Öztürk, Vice Chairman of the Course Board
Purpose of the Board	At the end of this committee, students will be able to recognize the microbial flora of the body and the general and metabolic characteristics of viruses, bacteria, fungi and parasites, to have information about general pathological processes such as necrosis and apoptosis, inflammation events, bleeding, hemostasis, shock, infarction, drug action mechanisms, drug-dose relationships, toxic effects, application sites and rational drug use, to understand the biopsychosocial approach to the individual, mental state and behaviors, effective to the patient in an emergency general knowledge about the methods required to make an initiative and gain skills within this framework is intended.
Learning Outcome of the Board	1. To be able to enumerate the basic laws of physics related to the functioning of systems 2. To be able to recognize and distinguish microorganisms, to be able to count the methods of bacterial production, to explain the development of bacterial pathogenicity, to explain the concepts of sterilization and disinfection. 3. To be able to explain cell damage, necrosis and apoptosis, and events that develop as a result of leukocyte activation 4. To be able to count the places of drug use, mechanisms of action of drugs and dose-effect relationships, to explain the concept of smart drug use 5. To be able to define the basic concepts of psychology and explain the biopsychosocial approach in order to recognize the mental structure of human beings. 6. To be able to list first and emergency aid methods, to evaluate patients and scenes, to apply adult and pediatric life support and other most appropriate methods immediately.
Content of the Board	In this course board, the laws of physics related to the function of systems and applications in Biophysics courses are explained. In General Microbiology courses, general information about normal microbial flora and host-microorganism relationship is given. The general characteristics of viruses, bacteria, fungi and parasites are examined, and information about sterilization and disinfection is presented. In General Pathology courses, cell damage, necrosis and apoptosis events are explained, information about the activation of leukocytes, acute and chronic inflammation events, and tumor formation and types are presented. The mechanisms of edema, hemorrhage, thrombosis, infarction, shock and hypertension are explained. In General Pharmacology courses; Information about drug administration sites and mechanisms of action of drugs, dose-effect relationships and smart drug use is presented. In Behavioral Sciences courses; Biopsychosocial aspects of behavior, consciousness, perception, learning, theories of mental development, personality structures and patient psychology are explained. In First and Emergency Aid courses; Evaluation of the patient's vital signs, the importance of first and emergency aid, first aid methods in various emergencies and basic life support methods are taught. In Vocational Skills Practices (MBU) courses organized in small groups; First and Emergency Aid classes Practices such as triage, evaluation of vital signs, basic life support and foreign body aspiration interventions are carried out on theoretical issues within the framework.
Resources	1. Ferit Pehlivan. Biophysics. Pelikan Publishing. 2019. 2. M. Orhan Ozturk, Aylin Uluşahin. Mental Health and Disorders. Nobel Medical Bookstores. 2018. 3. Çetin Hakan Karadağ, Ahmet Ulugöl, Dikmen Dökü. Lippincott Pharmacology. Nobel Medical Bookstore. 2020. 4. Patrick R. Murray. Murray Basic Medical Microbiology. Elsevier. 2018. 5. Sıtkı TUZLALI, Mine GEORGE. Robbins Basic Pathology. Elsevier. 2020. 6. Bulent Erbil, M. Maher Ozmen. Tintinalli Emergency Medicine. Sun Medical Publishing House. 2016. 7. Melih Elçin. Medical Education at a Glance. Academician Bookstore. 2018.
Weeks	Board Courses (Theoretical/Practical)
1st Week	First and Emergency Aid (T), General Pathology (T), General Microbiology (T), Biophysics (T), Behavioral Sciences (T), MBU (U).
2nd Week	Behavioral Sciences (T), First and Emergency Aid (T), Biophysics (T/U), General Pathology (T), General Microbiology (T/U).
3rd Week	Biophysics (T/U), General Microbiology (T), General Pathology (T), Behavioral Sciences (T), General Pharmacology (T), MBU (U).
4th Week	General Pathology (T/U), Behavioral Sciences (T), General Pharmacology (T), First and Emergency Aid (T), General Microbiology (T/U), MBU (U).
5th Week	General Microbiology (T), General Pathology (T/U), Behavioral Sciences (T), Biophysics (T/U), First and Emergency Aid (T), General Pharmacology (T), MBU (U).
6th Week	Behavioral Sciences (T), General Pathology (T/U), First and Emergency Aid (T), General Pharmacology (T), MBU (U).
7th Week	General Pharmacology (T), Behavioral Sciences (T), General Microbiology (T), First and Emergency Aid (T), General Pathology (U), MBU (U).
8th Week	First and Emergency Aid (T), General Pharmacology (T), General Microbiology (T), General Pathology (U), Biophysics (U).
Explanation:	
T: Theoretical	
U: Application	
MBU: Vocational Skills Practices	

Number of Questions in the Board		
Exam Type	Theoretical	Application
Board Exam	65	35
Finale	100	0
Integration	100	0

Evaluation System		
Semester Studies	Number	Total Contribution (%)
Continuation	0	0
Laboratory	0	0
Application	3	14
Fieldwork	0	0
Course-Specific Internship (If Available)	0	0
Assignments	0	0
Presentation	0	0
Projects	0	0
Seminar	0	0
Board Exam	1	26
Finale	1	60
	Sum	100
Contribution of Semester Studies to Success Grade	0	0
Contribution of Final Studies to Success Grade	0	0
	Sum	0

Explanation: While calculating the contribution rates of the evaluation system, SANKO University Associate Degree and Undergraduate Education and the Examination Regulation and the Faculty of Medicine Education and Measurement and Evaluation Directive are valid.

Student Workload Table			
Events	Number (weeks)	Duration (class hours)	Sum
Course Duration (Including Exam Week)	8	12	96
Laboratory	0	0	0
Application	8	4	32
Course-Specific Internship (If Available)	0	0	0
Fieldwork	0	0	0
Out-of-Class Study Time (Freelancing/ Group)	0	0	0
Presentation/Seminar Preparation	4	6	24
Project	0	0	0
Assignments	0	0	0
Board Exam	0	0	0
Final Exams	0	0	0
Total Workload	20	22	152

Associating the learning outcomes of the courses with the program competencies					
Program Qualifications	1	2	3	4	5
1. Explain the basic structure, development and normal functioning of the human body at the level of molecules, cells, tissues, organs and systems.					X
2. Question the abnormal structuring and functioning of the human body, explain it with information based on qualified scientific research, evaluate the causes of diseases by considering the interaction with the individual and his environment.				X	
3. Clinical decision-making and management processes of diseases and applications of evidence-based medicine evaluates under the guidance of.				X	
4. Explain the concepts of health and disease in an individual and social context, the search for health and Explain health protection behaviors, national health service delivery and administrative processes.					X
5. Know the research processes that form the basis of medical knowledge, follow the developments in this field Has a level of foreign language knowledge.			X		
6. Takes medical history from the applicant/patient and their relatives.	X				
7. Performs physical examination of individuals, evaluates diagnostic tests, diagnosis and treatment processes Manages by using the appropriate process steps.	X				
8. Applies medical interventions for diagnosis, treatment or prevention of individuals.	X				
9. Medical and administrative data on health and disease obtained from individuals and society organizes and keeps records of context.	X				
10. Practices for the protection and development of health in individual and social dimensions plans and executes.		X			
11. Plans and implements a scientific research and evaluates its results.				X	
12. Scientific and technological developments for professional and social changes It shows lifelong learning behavior by making use of it.				X	
13. Language, religion, race, gender, social and cultural discrimination in the individual and society it serves fulfills his/her responsibilities as a physician within the framework of professional values, ethical principles and legal regulations.		X			
14. Protection and development of health in individual and social dimensions, diseases Performs teamwork with colleagues and other healthcare professionals in the management processes.			X		
15. It strives to protect and improve the health of the individual and the society and to provide health services for the benefit of the individuals who make up the society.		X			
Description: Level of qualification:					
1. Miscarriage					
2. Low/medium					
3. Middle					
4. High					
5. That's great					