

Program	Level of studies		Second cycle	
	Program name		Physics	
Course name	FUNDAMENTALS OF MEDICINE FOR PHYSICISTS			
Course ID	Semester	Course status	ECTS credits	L+E
PAP9641	I	ELECTIVE	6	3+0
Lecturer	Prof. dr. Sandra Vegar - Zubović			
Aims and intended learning outcomes	The aim of this course is to provide students with basic knowledge in anatomy, physiology and psychology, which would enable students to interact successfully with other medical personnel and patients, working as medical physicists. It is expected that students who master the course will master and understand the basics of anatomy and physiology; They master the psychology of communicating with patients, and understand the medical ethics.			
Course content				
General structure and organization of the human body. Medical terminology Latin and Greek names for the most important organs, bones and tissues of the human body Fundamentals of anatomy of the human body. Basic physiology of human organs. Oncology. Identification of individual structures and organs in the body based on a medical image. Psychology of communication in medical institutions. Ethics in medical care. A vow of secrecy of data. General organization of the hospital.				
Student workload (hours)		Grading		
Lectures and Exercises	45	Assessment method	Points	
Exam preparation	60	Midterm exams	30	
Assignments	45	Seminar	20	
Total	150	Final exam	50	
		Total	100	
Literature				
<ol style="list-style-type: none"> 1. Alpen E.L., Radiation Biophysics, (Second Edition), Academic Press, 1998 2. Burns D.M and S. McDonald, Fizika za biologe i medicinare, Školska knjiga, Zagreb, 1975 3. Gayton S., Medicinska fizologija, Medicinska knjiga Beograd-Zagreb, 1978 				
Remarks				