

ECTS catalog with learning outcomes University of Montenegro

Faculty of Medicine / MEDICINE / BIOETHICS AND BIOMEDICINE

Course:	BIOETHICS AND BIOMEDICINE				
Course ID	Course status	Semester	ECTS credits	Lessons (Lessons+Exer cises+Laboratory)	
11140	Mandatory	5	3	3+0+0	
Programs	MEDICINE				
Prerequisites	No prerequisites required				
Aims	Introducing students to the development of ethics in medicine, basic ethical principles and an innovative bioethical approach to moral issues imposed by the implementation of modern scientific and technical achievements in the field of biomedicine, primarily in the domain of the application of genetic testing, medically assisted human reproduction, gene editing, cloning, transplantation of human organs and tissues; artificial intelligence, animal and human experimental medicine. Acquaintance with the activities of national and international institutions engaged in the protection of human rights and dignity in the field of bioethics.				
Learning outcomes	After completing the course the student will be able to: 1. Understands and knows how to describe basic terms: ethics, morality, ethical theories, principles, ethical approaches to key medical topics. 2. Knows the fields of biomedicine within which bioethical challenges are recognized, knows how to describe the impact of new biomedical technologies on health and human rights and the impact on the human community. 3. Knows the principles of the bioethical approach in research on humans and experimental medicine on animals and recognizes bioethical challenges in the field of research in medicine. 4. Knows the current bioethical principles and activities of national and European institutions regarding the protection of human rights and the dignity of human beings in the application of biomedicine. 5. Is able to apply basic bioethical guidelines in medical practice. 6. Is able to analyze and confront moral norms, to independently judge and argue positions in the key bioethical dilemmas of modern humanity, which he may face in professional and public life.				
Lecturer / Teaching assistant	Full professor Olivera Miljanović, MD, PhD, Full professor Aneta Bošković, MD, PhD and Assist. Professor Novak Lakićević, MD, PhD				
Methodology	Lectures, workshops, simulations, seminars and consultations.				
Plan and program of work					
Preparing week	Preparation and registration of the semester				
I week lectures	Introduction to the subject. Scientific progress and life and health in a biomedical-bioethical perspective. Conceptual definition and definition of ethics.				
I week exercises					
II week lectures	Sociological genesis	of morality. Positive and	I negative moral personality	/ traits.	
II week exercises					
III week lectures	Ethics in medicine - n	noral obligations of hea	lth workers towards patient	S	
III week exercises					
IV week lectures	Ethical problem in ce	rtain medical discipline	S.		
IV week exercises					
V week lectures	Great and eternal eth	nical dilemmas.			
V week exercises					
VI week lectures	Presentation of semir	nar papers.			
VI week exercises					
VII week lectures			netic counseling and proted know" the result of genetic		
VII week exercises					
VIII week lectures	Medically assisted human reproduction and bioethical principles. Preimplantation and prenatal diagnosis, abortion, prenatal sex selection and gender imbalance. "Surrogate" motherhood.				
VIII week exercises					
IX week lectures	Ethics of biomedical research. Clinical studies, informed consent to research. Experiments on humans, animals and corpses. Bioethical code of experimental animals.				
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beginning of the semester (administration, registration, certification): (4 hours) x 2 = 8 hours workload for the course: 3 x 30 = 90 hours Load structure: 64 hours (classes and final exam) hours (preparation) + 18 hours (supplementary work) Obligations of the student during the c Attending classes, actively participating in seminars, independent preparation of materials fo seminars, solving set problems independently and in a group. Per week Per semester Classes and final exam: 4 hour(s) i 0 minuts x 16 = 64 hour(s) i 0 minuts Necessary preparation before the beginning of the semester (administration, registration, certification): 4 hour(s) i 0 minuts x 2 = 8 hour(s) i 0 minuts Total workload for the subject: 3 x 30=90 hour(s) Additional work for exam preparation in the preparing exam period including taking the remedial exam from 0 to 30 hours (remaining the first two items to the total load for the item) 18 hour(s) i 0 minuts Workload structure: 64 hour(s) i 0 minuts (cources), 8 hour(s) minuts (preparation), 18 hour(s) i 0 minuts (additional work preparation), 18 hour(s) i 0 minuts (additional work preparation of materials for seminars, solving set problems independent preparation of materials for seminars, solving set problems independent preparation of materials for seminars, solving set problems independent preparations Consultations Consultations Literature Durks Medicina i društvo - Uvod u medicinsku etiku. Medicinski felegograd, 2015. www.coe.int/en/web/bioethics/home http://www.who.int/ethics/en/ http://www.unesco.org/new/en/social	ns and ode,					
XI week exercises Bioethics of new technologies, artificial intelligence, clinical bioethics, personalized medicine. XII week exercises Bioethics of new technologies, artificial intelligence, clinical bioethics, personalized medicine. XIII week exercises Bioethical institutionalization - Importance and activity of international bioethical organization protection of human rights and dignity in biomedicine: Declaration of Helsinki, Nuremberg Co UNESCO, WHO. XIII week exercises Bioethics in Europe - Committee on Bioethics of the Council of Europe - The Convention for the Protection of Human Rights and Dignity of the Human Being with regard to the Application of and Medicineand its additional protocols ("Oviedo Convention"). Application of bioethical prin Montenegro. XIV week exercises XIV week exercises XIV week exercises Presentation of seminar papers. XIV week exercises In semester Classes and final exam: (4 hours) x 16 = 64 hours Necessary preparations before beginning of the semester (administration, registration, certification): (4 hours) x 2 = 8 hours workload for the course: 3 x 30 = 90 hours Load structure: 64 hours (lasses and final exam: 4 hour(s) 1 0 minuts of independent work, including consultations Per semester Classes and final exam: 4 hour(s) 1 0 minuts A hour(s) 1	ns and ode,					
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