

**Faculty of Medicine / STOMATOLOGY / BIOETHICS AND ETHICS IN DENTISTRY**

<b>Course:</b>	BIOETHICS AND ETHICS IN DENTISTRY			
<b>Course ID</b>	<b>Course status</b>	<b>Semester</b>	<b>ECTS credits</b>	<b>Lessons</b> (Lessons+Exercises+Laboratory)
13980	Mandatory	11	2	1+1+0
<b>Programs</b>	STOMATOLOGY			
<b>Prerequisites</b>	No prerequisites required			
<b>Aims</b>	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.			
<b>Learning outcomes</b>	After the one-semester course, the student should have the following learning outcomes: 1. Understands and is ready to apply professional bioethical guidelines in medical practice 2. Is able to recognize certain bioethical challenges and dilemmas related to the application of contemporary achievements and technologies in the field of biomedicine. 3. Knows and can describe the fields of biomedicine within which bioethical principles and protocols are defined. 4. Knows and can describe the activities of European institutions regarding the protection of human rights and the dignity of human beings in the application of biomedicine. 5. Knows and states the legal bioethical framework in Montenegro. 6. Is capable of making independent judgments in making responsible decisions in accordance with bioethical principles			
<b>Lecturer / Teaching assistant</b>	Full professor Olivera Miljanović, MD, PhD, Full professor Aneta Bošković, MD, PhD, Assist. Professor Novak Lakićević, MD, PhD and teaching associates.			
<b>Methodology</b>	Lectures, workshops, simulations, seminars and consultations.			
<b>Plan and program of work</b>				
Preparing week	Preparation and registration of the semester			
I week lectures	Scientific progress in biomedicine and the promotion of the protection of human rights i dignity.			
I week exercises	Introduction to the principles of practical work			
II week lectures	Sociological genesis of morality. Positive and negative moral traits personality.			
II week exercises	Distribution of topics from medical ethics and instructions for seminar preparation			
III week lectures	Ethics in medicine - moral obligations of healthcare workers			
III week exercises	Review of collected literature and seminar preparation			
IV week lectures	Ethical problems in certain medical disciplines.			
IV week exercises	Presentation of seminar papers			
V week lectures	Great and eternal ethical dilemmas.			
V week exercises	Presentation of seminar papers			
VI week lectures	Analysis of the presented ethical topics			
VI week exercises	Presentation of seminar paper			
VII week lectures	Biomedicine and human genome research. Genetic data protection. The right to "know/not know" the result of genetic testing.			
VII week exercises	Distribution of topics in biomedicine and bioethics and instruction for seminar preparation			
VIII week lectures	Ethics of biomedical research. Clinical studies, informed consent to research. Experiments on humans, animals and corpses. Bioethical code of experimental animals.			
VIII week exercises	Review of collected literature and seminar preparation			
IX week lectures	Medically assisted human reproduction and bioethical principles. Preimplantation and prenatal diagnosis, abortion, prenatal sex selection and gender imbalances at birth. "Surrogate" motherhood			
IX week exercises	Presentation of seminar papers: HeLa cells and their biomedical and bioethical significance			
X week lectures	Bioethical principles of organ, tissue and cell donation and transplantation. Prevention of organs, tissues and cells."trafficking".			

X week exercises	Presentation of seminar papers: Bioethical principles of organ transplantation..					
XI week lectures	Cloning, stem cells, gene editing, eugenics – bioethical challenges.					
XI week exercises	Review of collected literature and seminar preparation					
XII week lectures	Bioethics of new technologies, artificial intelligence, clinical bioethics.					
XII week exercises	Presentation of seminar papers: Reproductive cloning and chimerism					
XIII week lectures	Bioethical institutionalization: significance and action of international bioethics organizations in the field of human rights protection and dignities: Helsinki Declaration, UNESCO, WHO.					
XIII week exercises	Presentation of seminar papers: Bioethical aspects of prenatal diagnostics.					
XIV week lectures	Bioethics in Europe: Committee for Bioethics of the Council of Europe - Convention for the Protection of Human Rights and Dignity of the Human Being with regard to the Application of Biology and Medicine (Oviedo Convention) and its additional protocols. Application of bioethical principles in Montenegro.					
XIV week exercises	Presentation of seminar papers: Bioethical aspects of medically assisted fertilization and surrogate motherhood.					
XV week lectures	Review of material and discussion with teachers					
XV week exercises	Presentation of seminar papers: Solidarity and cooperation in bioethics.					
<b>Student workload</b>	Classes and final exam: (2,66 hours) x 16 = 42,56 hours Necessary preparations before the beginning of the semester (administration, registration, certification): (2,66 hours) x 2 = 5,32hours Total workload for the course: 2 x 30 = 60 hours Load structure: 42,53 hours (classes and final exam) + 5,32 hours (preparation) + 12 hours (supplementary work)					
<b>Per week</b>			<b>Per semester</b>			
<b>2 credits x 40/30=2 hours and 40 minuts</b> 1 sat(a) theoretical classes 0 sat(a) practical classes 1 excercises <b>0 hour(s) i 40 minuts</b> of independent work, including consultations			Classes and final exam: <b>2 hour(s) i 40 minuts x 16 =42 hour(s) i 40 minuts</b> Necessary preparation before the beginning of the semester (administration, registration, certification): <b>2 hour(s) i 40 minuts x 2 =5 hour(s) i 20 minuts</b> Total workload for the subject: <b>2 x 30=60 hour(s)</b> Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) <b>12 hour(s) i 0 minuts</b> Workload structure: <b>42 hour(s) i 40 minuts (cources), 5 hour(s) i 20 minuts (preparation), 12 hour(s) i 0 minuts (additional work)</b>			
<b>Student obligations</b>			Attending classes, actively participating in seminars, independent preparation of materials for seminars, solving set problems independently and in a group.			
<b>Consultations</b>			After lectures, seminars and exercises, online and live in agreement with the professor and teaching assistant.			
<b>Literature</b>			Turza K. Medicina i društvo – Uvod u medicinsku etiku. Medicinski fakultet Beograd, 2015. <a href="http://www.coe.int/en/web/bioethics/home">www.coe.int/en/web/bioethics/home</a> <a href="http://www.who.int/ethics/en/">http://www.who.int/ethics/en/</a> <a href="http://www.unesco.org/new/en/social-and-human-sciences/themes/bioethics/">http://www.unesco.org/new/en/social-and-human-sciences/themes/bioethics/</a> <a href="https://ec.europa.eu/research/ege/index.cfm">https://ec.europa.eu/research/ege/index.cfm</a> Poseban materijal koji su predmetni nastavnici pripremili za sve studente.			
<b>Examination methods</b>			Class attendance - 10 points Two seminar papers of 15 points each - a total of 30 Final written exam 60 points Grade: Passed / passed or not passed / passed Passed exam implies cumulatively accumulated at least 50 points			
<b>Special remarks</b>			None			
<b>Comment</b>			None			
<b>Grade:</b>	F	E	D	C	B	A
<b>Number of points</b>	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points