

ETHICS IN BIOMEDICINE						
<b>GENERAL INFORMATION</b>						
Course coordinator	Asst. Prof. Ružica Palić Kramarić, MD, PhD					
Assistant/Associate	Prof. Jure Mirat, MD, PhD					
Study Programme	Undergraduate University Study of Medical Laboratory Diagnostics					
Status of the course	mandatory					
Year of study, semester	1 <sup>st</sup> year, 2 <sup>nd</sup> semester					
ECTS	3					
Workload (hours)	Lectures: 15; Seminars: 15; Exercises: -					
Expected number of students	30 - 35					
<b>COURSE DESCRIPTION</b>						
<b>Course objectives</b>						
Familiarize students with the principles of bioethics, codes of ethics and methods of resolving ethical concerns or problems.						
<b>Course requirements and required competences</b>						
-						
<b>Learning outcomes at the Programme level</b>						
2.4, 2.5, 3.2						
<b>Learning outcomes at the course level</b>						
After attending lectures and seminars, self-learning and successfully passing the exam, the students will be able to:						
<ol style="list-style-type: none"> <li>1. explain the importance of ethics in everyday work in medical and research laboratories.</li> <li>2. interpret codes of ethics in the field of biomedicine and healthcare.</li> <li>3. identify and resolve potential ethical concerns or problems.</li> <li>4. apply ethical reasoning in decision making.</li> </ol>						
<b>Course content</b>						
<b>Lectures:</b> Bioethics. Deontology. History of ethics and deontology; Ethical issues in science; Ethical issues in clinical studies; Ethical issues in medical laboratories. Ethical concerns. Ethical principles in the provision of medical care; Ethical regulations; Content and interpretation of codes of ethics in biomedicine and healthcare.						
<b>Seminars:</b> Identifying ethical problems. Processing ethical problems; Ethical problem solving form.						
<b>Form of instruction</b>						
Lectures and seminars						
<b>Student obligations</b>						
Attending all forms of instruction is mandatory, and the student must sit for all exams. A student can be excused from 30% of every form of instruction.						
<b>Monitoring student learning (<i>interconnectedness of learning outcomes, teaching methods and grading</i>)</b>						
Teaching activity	ECTS	Learning outcome	Student participation	Assessment methods	Points	
					Min.	Max.
Attendance	0.15	1-4	Class attendance, Active participation in seminars;	Records	5	15
Seminars	0.35			Presentation Paper	15	35

Final exam	1	1-4	Preparation for the final exam	Written exam	30	50
<b>Total</b>	<b>2</b>				<b>50</b>	<b>100</b>

*Valuation of the written part of the final exam*

Percentage of correctly solved tasks (%)	Points
60.00-64.99	30
65.00-69.99	33
70,00-74.99	36
75.00-79.99	39
80.00-84.99	41
85.00-89.99	43
90.00-94.99	47
95.00-100	50

*Formulation of the final grade:*

Points achieved in class are combined with points achieved on the final exam. The grading shall be carried out by using absolute distribution, i.e. shall be based on the final achievement and compared to the numerical system as follows: A – excellent (5): 90-100 points; B – very good (4): 80-89.99 points; C – good (3): 65-79.99 points; D – sufficient (2): 50-64.99 points.

**Mandatory reading (available in the library or in other mediums)**

Title	Number of copies in the library	Availability in other mediums
Fatović-Ferenčić, S., Tucak, A. Medicinska etika [Medical Ethics]. Zagreb: Medicinska naklada; 2010	10	
Mirat J. I sur. Medicinska etika i bioetika. Medicinska naklada, Zagreb, 2021.	23	

**Additional reading**

International Pharmaceutical Federation, FIP Statement of Professional Standards Code of Ethics for Pharmacist, 2004

**Quality monitoring methods ensuring the acquisition of competences upon completion**

An anonymous, quantitative, standardized student survey on the course and the work of professors conducted by the Quality Assurance Offices of the Faculty of Medicine Osijek.

**Note**

E-learning does not count towards course instruction hours, but it is used in class and contains links to different pages, video and audio materials available online.