Course Title	**Ethics for Biomedical Sciences**				
Course Code	ABS 112				
Course Type	Compulsory				
Level	BSc (Level 1)				
Year / Semester	1st year / 2nd Semester				
Teacher's Name	Dr. Alexandra Skitsou				
ECTS	3	Lectures / week	2	workshop/ week	-
Course Objectives	Studying this program will provide the students the opportunity to familiarise themselves with many challenges in the field of biomedical sciences. Biomedical ethics will help them learn what guides the work of healthcare professionals and how to encounter and analyse contemporary moral problems in medicine and health care in general with critical thinking. These considerations are an essential component of formulating an approach, which will help them base their decisions on dignity and respect, in accordance with moral and ethical concerns and based on the principles of humanity. This course will also help them to deal effectively with the risks associated with the use of new and emerging medical technologies and reduce the risks of privacy and confidentiality impinges.				
Learning Outcomes	At the completion of the course the students will be able to: • Define the key ethical concerns in biomedical ethics. • Be aware of the basic knowledge on moral and ethical issues. • Investigate current moral theories with a critical thinking approach. • Understand and explain issues related with confidentiality, informed consent, and professionalism. • Be aware of the current issues on human and animal research ethics. • Explore the application of healthcare ethics in the field of precious medicine. • Gain the knowledge and experience to address simple and complex ethical issues. • Demonstrate their ability of solving moral issues in real life study cases.				
Prerequisites	None	Required	None		
Course Content	• Introduction to basic ethical theories. • Learning how to evaluate an ethical case. • Understanding ethical issues related to confidentiality, consent and professionalism. • Critical appraisal of the moral challenges regarding research ethics, end of life issues, genetic screening and assisted reproductive				

	ethics. • Learning how to apply fair and effective choices for vulnerable people. • Workshops based on hypothetical or real-life situations will serve as a practical application of the taught ethical theories.
Teaching Ethics for Biomedical Sciences	The teaching of the course will include the traditional lectures using lecture slides. This approach is helpful especially when discussing issues that offer various perspectives to students. However, lecturing does not provide sufficient engagement of the students who are dealing with ethics. Teaching ethics is sharing ideas and applying theories. This can be achieved with different ways, such active engagement in examples of situations where students are likely to find themselves in and give them the opportunity to reflect and discuss what they may do and why. Use of challenging videos and case studies drawn from real life and encourage them to work in groups (debates and role modelling). Also invite students to write reflective narratives about potential ethical cases they may encounter. Workshops can also give the chance to students to put into practice their knowledge from taught theories. Topics **Week 1** Basic Ethical Theories (Lecture) How to evaluate an ethical case (Lecture) **Week 2** Confidentiality I (Lecture) Confidentiality II (Workshop) **Week 3** Informed Consent I (Lecture) Informed Consent II (Workshop) **Week 4** Professionalism I (Lecture) Professionalism II (Workshop) **Week 5** Research Ethics I (Lecture) Research Ethics II (Workshop) **Week 6** Resource Allocation I (Lecture) Resource Allocation II (Workshop) **Week 7**

	Assisted Reproductive Ethics I (Lecture) Assisted Reproductive Ethics II (Workshop) **Week 8** Genetic Testing and Screening I (Lecture) Genetic Testing and Screening II (Workshop) **Week 9** End of Life Issues I (Lecture) End of Life Issues II (Workshop) **Week 10** Public Health Ethics I (Lecture) Public Health Ethics II (Workshop) **Week 11** Mental Health Ethics I (Lecture) Mental Health Ethics II (Workshop) **Week 12** Assessment and Evaluation (2Hours including a short presentation or an assignment)
Bibliography	Textbooks: 1. Katz J. & Glass S.E. (1972) Experimentation with Human Beings (1972). 2. Beauchamp L.T., Childress F.J. (2019) Principles of Biomedical Ethics (2019). 3. Pellegrino, D.E. & David C. Thomasma C.D. (1988). For the Patient's Good: The Restoration of Beneficence in Health Care. 4. Gawande A. (2017), Being Mortal: Medicine and What Matters in the End (2017). 5. Morrison E.E. & Furlong B. (2018) Health Care Ethics: Critical Issues for the 21st Century. 6. Scher S. & Kozlowska K. (2018). *Rethinking Health Care Ethics*, "The Rise of Bioethics: A Historical Overview" 7. Varkey B. (2021). *Medical Principles and Practice*, "Principles of Clinical Ethics and Their Application to Practice" 8. NORC, (2021): "Surveys of Trust in the U.S. Health Care System" 2. References A list of recently published articles will be provided for further reading.

Assessment	Mid-term Test 20% Assignment 20% Final Exam 60% For student evaluation, the overall grade is determined by a written midterm exam (20%), an assignment (20%) and a written final exam (60%). The mid-term exam is carried out between the 6th and 8th week and it mainly includes short answer- questions and problem- solving questions and examines specific modules of the course. For the assignment, which counts for 20%, students will be required to select one of the taught topics ,review the related literature and write- up their own report. The final exam of the course is carried out during the 14th-16th week of each semester and includes short answer questions, decision questions, and problem-solving questions regarding all course modules. The final assessment of the students is formative and summative and is assured to comply with the subject's expected learning outcomes and the quality of the course.
Language	Greek, English