



## University of Nicosia, Cyprus

<b>Course Code</b> BIOL-431	<b>Course Title</b> Bioethics	<b>ECTS Credits</b> 4
<b>Department</b> Life and Health Sciences	<b>Semester</b> Spring/Fall	<b>Prerequisites</b> BIOL-101, -102 General Biology I, II
<b>Type of Course</b> Life and Health Sciences Elective	<b>Field</b> Biology, Medicine	<b>Language of Instruction</b> English
<b>Level of Course</b> 1 <sup>st</sup> Cycle	<b>Year of Study</b> 3 <sup>rd</sup> or 4 <sup>th</sup>	<b>Lecturer</b> Ms. Sheila Davies
<b>Mode of Delivery</b> Face-to-face	<b>Work Placement</b> N/A	<b>Co-requisites</b> None

### Objectives of the Course:

The main objectives of the course are to:

- Provide students with the basic knowledge on ethical theories and ethical decision making.
- Make students aware of moral issues in the context of science, the society and the environment.
- Use case studies to discuss the ethical questions raised in the clinical, health care and research settings.
- Make students aware of the law and policies, which govern bioethical decisions.

### Learning Outcomes:

After completion of the course students are expected to be able to:

1. Discuss the moral values and principles relevant to health care provision
2. Identify the moral values and principles relevant to animal and medical research.
3. Debate on issues related to biotechnological applications in humans, animals and plants.
4. Identify the law and policy issues in bioethics and discuss the role of the government in implementing these.
5. Demonstrate moral wisdom (knowledge about ethics and the ability to think ethically) and moral virtue (a stronger commitment to act morally).

### Course Contents:

1. Introduction to ethics.
2. Fundamentals of ethical decision making.
3. The Cyprus Bioethics law regarding research.
4. Case study of research ethical questions.

5. Case study of clinical research ethical questions.
6. Case study in medical-ethical decision making.
7. Informed consent, confidentiality and rights of individuals participating in research.
8. Ethical issues in developing and implementing health care policies.
9. Ethical issues surrounding environmentally induced illnesses.
10. Ethics regarding the use of human embryos and human cloning.
11. Potential harm of genetic modifications to humans and nonhuman animals.
12. Potential harm of genetic modification of agricultural products.
13. Euthanasia

### **Learning Activities and Teaching Methods:**

Lectures, Case studies discussions, Debates

### **Assessment Methods:**

Assignments, Mid-term Exam; Final Exam

### **Required Textbooks/Reading:**

<b>Authors</b>	<b>Title</b>	<b>Publisher</b>	<b>Year</b>	<b>ISBN</b>
1. T.A.Mappes, D. DeGrazia	Biomedical ethics	McGrow Hill	2006, 6 <sup>th</sup> ed.	ISBN - 0072976446
2. Boylan, Michae	Genetic engineering : science and ethics on the new frontier	Prentice Hall	2002	ISBN-: 0130910856

### **Recommended Textbooks/Reading:**

<b>Authors</b>	<b>Title</b>	<b>Publisher</b>	<b>Year</b>	<b>ISBN</b>
1. Mark A. Rothstein.	Pharmacogenomics: social, ethical, and clinical dimensions	Wiley-Liss,	2003	ISBN- 0471227692
2. Hardwig, John	Is there a duty to die? and other essays in bioethics	Routledge,	2000	ISBN: 0415922429
3. J.K. Mason, R. McCall Smith, G. Laurie	Law and medical ethics	LexisNexis	2002 6 <sup>th</sup> ed.	ISBN: 0406949956