

نموذج توصيف مقرر
Course Description Form

Name of College\Faculty :

Sciences

اسم الكلية:

Name of Department:

Biological Sciences – Animal Biology Program

اسم القسم العلمي:

Course Name	Ethical Issues in Animal Biology قضايا أخلاقية في بيولوجيا الحيوان	اسم المقرر
Course No.	0493 –321	رقم المقرر
No. of Credits	3	عدد الوحدات
Theoretical Hours	3	عدد الساعات النظرية
Practical Hours	0	عدد الساعات العملية

Course topics

مواضيع المقرر

Part I: Reproductive biology and research Ethics

- Dignity and Rights
- Morality, Autonomy and Consent
- Confidentiality, Justice and Equality
- Reproductive techniques and surrogacy
- Abortion, Infanticide and euthanasia
- Gamete harvesting and trading
- Brief history of animal research
- Animal welfare and the 3Rs
- Interbreeding among different animal species
- The Implementation of bioethics in the Lab and research

Part II: Genetic intervention and Biotechnology Ethics

- Introduction to Bioethics & Its History
- Theories of Ethics
- A framework of Ethical Analysis: Ethical Principals

- A framework of Ethical Analysis: Ethical Matrix
- Human Bioethics: Genetic Intervention and Management of Genetic Information
- Human Bioethics: Stem Cells
- Animal Biotechnology: Genetic Technologies and Their Potential Harm to Animals
- Animal Biotechnology: Specific Applications and Their Related Ethical Issues

Part III: Environmental Ethics

- Introduction to Environmental Ethics- definition and its necessity
- Environmental Ethics as a Field- how it evolved as a science
- Religious and Moral Responsibility towards Nature
- Approaches of Environmental Ethics: Anthropocentrism vs Nonanthropocentrism
- Instrumental Value of Non-human Entities
- Inherent (intrinsic) Value of Non-human Entities, Ecology, and Conservation (sentientism, biocentrism, ecocentrism etc..).
- Environmental Ethics, Holism and Animal Ethics
- Issues in Environmental ethics- Species Conservation, Rapid Environmental Change, value of biodiversity and Ecological Ethics.

Text book: (Name, Author , Year , Publisher)

عنوان الكتاب : (الاسم ، المؤلف ، سنة الطبع ، دار النشر)

- *Bioethics: An Introduction for the Biosciences* by Ben Mephram. Oxford University Press.
- *Introduction to Bioethics* by John A. Bryant, Linda Baggott la Velle and John Searle. Wiley.

References: (Name , Author , Year . Publisher)

عنوان المرجع : (الاسم ، المؤلف ، سنة الطبع ، دار النشر)

- *Contemporary Bioethics: A Reader with Cases* by Jessica Pierce and George Randels. Oxford University Press.

Prerequisites:

0490-103 Biology (III) + 0490-281 Introduction to molecular Biology + completion of 60 credits

متطلبات المقرر

Grading	Exams	30	%		الاختبارات	آلية رصد المقرر
	Quizzes		%		امتحانات قصيرة	
	H.W.	15	%		واجبات	
	Project (field study)	15	%		مشاريع (دراسة ميدانية)	
	Final	40	%		الاختبار النهائي	
	100 %					

Course objectives					
No.	Course Objectives (Learning Outcomes)	Example(s) of relevant (Topics and activities)	Recommended Level to satisfy the objectives		
			High	Medium	Low
1	Recognize a person's freedom and control (autonomy) both culturally and religiously in making decisions and the consequences of choices made.	Human dignity and rights, Respect for cultural/religious diversity and cooperation, Social responsibility and health.	✓		
2	Describe current approaches of reproductive and genetic intervention in humans in both therapy and research and comprehend the ethical issues related to this topic.	Cloning, the use of embryonic stem cells in research and therapy, gene therapy, decisions based on prenatal genetic testing and pre-implantation genetic diagnosis.	✓		
3	Recognize role of animals in the advancement of science and technology and their rights in research, farming and wilderness.	International regulations involving animal research. Benefits and welfare of GM animals.	✓		
4	Understand that maintaining ideal life conditions of the environment is part of understanding human health and existence of mankind.	Factors contributing to environmental degradation and impacting society. Case studies on ethical misconduct towards the environment.	✓		
5	Implement ethical guidelines on a personal and professional level for the sustainable management of global biota and ecosystems for the well-being of present and future generations.	Importance of ecological conservation, restoration and rehabilitation for sustainability of environmental resources.	✓		
Fields					
Skills					
Coordinator (Name and Rank) :		Amani S. Alzaidan (Assist. Prof.)			
Signature and stamp :		د. أماني سالم الزيدان Dr. Amani S. Al-Zaidan كلية العلوم - قسم العلوم البيولوجية Dep. of Biological Sciences			
Date:		09\ 11 \ 2025			