Information about the subject

Degree: Official Master"s Degree in Bioethics

Faculty: Faculty of Medicine and Health Sciences

Code: 1730003 **Name:** Special Bioethics II

Credits: 12,00 **ECTS Year:** 1 **Semester:** 2

Module: Adult and End-of-Life Bioethics

Subject Matter: Special Issues in Bioethics II **Type:** Compulsory

Department:

Type of learning: Online

Languages in which it is taught: Spanish

Lecturer/-s:

BIOET	Lucia Gómez Tatay **(Responsible Lecturer)**	lucia.gomez@ucv.es
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Module organization

Adult and End-of-Life Bioethics

Subject Matter	ECTS	Subject	ECTS	Year/semester
Special Issues in Bioethics II	12,00	Special Bioethics II	12,00	1/2

Recommended knowledge

Not needed

Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

R1	As professionals, students will be able to apply the knowledge acquired in this course through analysis and case studies to practical contexts.
R2	Students will acquire in-depth and systematic knowledge of Bioethics that will allow them to recognise ethical aspects that exist within their professional context.
R3	Students will acquire scientific and technological knowledge related to end-of-life issues.
R4	Students will know how to identify moral issues to be able to act as advisers on Bioethics committees.
R5	Students will be able to apply the knowledge acquired in this course to patient care, within a professional context.

Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

BASIC		Weighting			
		1	2	3	4
CB6	Possess knowledge and understanding of content that will ensure a sound basis or opportunity for original thinking in the development and/or application of ideas in a research context.			x	
CB7	Know how to apply acquired knowledge and problem-solving skills to new or unfamiliar settings within a wider (or multidisciplinary) context related to their field of study.				x
CB8	Be able to integrate different areas of knowledge and apply them to the complex task of formulating opinions based on incomplete or limited information; applying said knowledge and opinions to reflect upon social and ethical responsibilities.				x
CB9	Be able to convey their conclusions, knowledge and the reasons which support them to specialist and non-specialist audiences clearly and unambiguously.				x
CB10	Possess the learning skills that will allow them to continue their studies in a manner that is largely self-directed or autonomous.			x	

GENERAL		Weighting			
		1	2	3	4
G1	Acquire advanced knowledge and demonstrate detailed and well-reasoned understanding of theoretical and practical aspects in a scientific and technological research-based or highly-specialized context.			x	
G2	Know how to apply and integrate knowledge and understanding of the topic, its scientific basis and related problem-solving skills to new contexts and professional situations which pose ethical issues that are related to human life.				x

G3	Know how to assess and select appropriate scientific theories and specific methodologies, and apply them to the formulation of opinions based on incomplete or limited information and reflect upon social or ethical responsibility associated to the solution proposed in each case when necessary or pertinent.			x	
G4	Know how to clearly and unambiguously communicate to a specialist or non-specialist audience the results of scientific and technological research or information from the field of advanced innovation, as well as their main underlying theories.				x
G5	Develop a sufficient level of autonomy to be able to participate in research projects and scientific and technological collaborative work within a context that fosters a respect for human life.				x

SPECIFIC		Weighting			
		1	2	3	4
E2	Develop the skills needed to analyse ethical issues related tohuman life.				x
E3	Resolve issues that arise within a professional context through the examination ofpractical case studies in the field of Bioethics.			x	
E5	Analyse any given topic with scientific rigour whilst bearing in mind the human factor.			x	
E6	Acquire the skills needed to convey theirknowledge of bioethics in an accessible manner.			x	
E8	Make themselves understood to an audience that does nothave specialist knowledge in Bioethics.			x	
E9	Clearly convey information related toinformed consent to patients and/or their family.				x
E11	Prioritise proximity with the patient and family.				x
E12	Understand the specific needs of each medical case.				x
E13	Apply knowledge acquired in the clinical practicum andHealthcare Bioethics Committees in particular.				x
E14	Handle possible conflicts that arise in thefield of Bioethics.			x	
E15	Assist in the resolution of issues in Bioethics throughteamwork.				x

E16	Evaluate the limitations of scientific advances.		x	
E20	Provide opinions based on relevant criteria, external standards andpersonal opinions.		x	
E26	Interpret current legislation in the field of Bioethics.		x	
E28	Develop scientific rigour for use in formulating arguments.			x

Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
	30,00%	Attendance and participation in in-person classes and connection to the learning platform.
	30,00%	Completion of deliverable activities
	40,00%	Final evaluation

Observations

Herramientas que se emplearán para garantizar la autoría, e identidad de los trabajos y pruebas de evaluación, así como el control del entorno:
Todo usuario de la plataforma virtual UCVnet tiene asignado un usuario y contraseña propio, personal e intransferible, que le da acceso a la plataforma virtual UCVnet, medio reglamentario para realizar las actividades evaluables.
La plataforma UCVnet tiene integrada la aplicación Turnitin, que garantiza la integridad académica a través de paneles que ayudan a identificar riesgos de autoría, comparando los trabajos con la base de datos más completa del mercado.
Esta herramienta también permite revelar manipulaciones en el texto que busquen evadir la verificación de plagio, comprobando la originalidad de los escritos incluso en una posible compra de ensayos.
Los exámenes de nuestro Máster son formulados de modo que el alumno, tras identificarse con su usuario y contraseña para ingresar a la Plataforma virtual UCVnet y activar las cámaras durante todo el tiempo que dura la prueba -lo que permite confirmar su identidad-, dispone de un tiempo limitado y ajustado a la extensión del examen propuesto, de modo que se le permite consultar la documentación que estime oportuna durante su realización, lo cual dada la limitación de tiempo, no le supone una ventaja sustancial.
Las cuestiones formuladas en formato test, con respuestas múltiples, una opción correcta y restando las respuestas incorrectas, se dirigen a evaluar en un periodo de tiempo limitado la capacidad del alumno para relacionar, aplicar debidamente o interpretar los contenidos trabajados en la asignatura, lo que implica la necesidad de su conocimiento previo al examen, razón por la que puede acceder puntualmente a la información complementaria que requiera.
Cada alumno recibe el test simultáneamente en un formato que incluye un orden de preguntas y respuestas aleatorio, diferente en cada caso, para evitar la intercomunicación entre ellos.

MENTION OF DISTINCTION:
In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with Distinction) may be awarded. Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

M1	Presentation of content by professors, analysis of competencies, explanation and demonstration of students' skills and knowledge in the classroom and/or virtual classroom.
M2	Group work sessions supervised by the professor, case studies. Meaningful consolidation of knowledge through student interaction and activities.
M3	Students will receive personalised attention, in person, via learning platform and in small groups. Instruction and/or orientation period provided by professor in order to revise and discuss materials and topics presented in class.
M9	All the oral and/or written exams that are part of the basic evaluation scheme or additional work provided by student.
M10	Student work: Individual reading, preparation of essays, assignments, reports, and problem-solving opportunities etc. for presentation or submission during in-person lectures and/or small group tutorials. Work carried out on UCV platform.
M11	Participation in course blog and chat forums supervised by the professor responsible for the module. https://campusvirtual.ucv.es/

ON-LINE LEARNING

SYNCHRONOUS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
PRACTICAL SESSIONS M2	R1, R2, R3, R4, R5	2,00	0,08
IN-PERSON SESSIONS M1	R1, R2, R3, R4, R5	58,00	2,32
EVALUATION M9	R1, R2, R3, R4, R5	1,00	0,04
TUTORIAL M3	R1, R2, R3, R4, R5	3,00	0,12
TOTAL		**64,00**	**2,56**

ASYNCHRONOUS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
LEARNING PLATFORM M11	R1, R2, R3, R4, R5	32,00	1,28
INDIVIDUAL WORK M10	R1, R2, R3, R4, R5	204,00	8,16
TOTAL		**236,00**	**9,44**

Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
Special Issues in Bioethics II	Synthetic biology and artificial creation of life Genetics and genomics. Technical and ethical aspects of gene therapy. Gene editing. New gene editing techniques. Mitochondrial replacement: towards germline genome Artificial intelligence. Bionics. Cyborgs. Transhumanism and Post-humanism. The social issue of the elderly Ethical aspects in the treatment of terminally-ill patients. LTE. Suffering and death. Palliative care. Practical cases Euthanasia and assisted suicide. Bioethics Committees Neuroethics Ethical aspects of organ transplantation Eating disorders with a basis in adolescence (Anorexia and Bulimia) and other addictions Ethical limits in Sports Medicine Ethical dilemmas in disability Demographics: social and bioethical aspects. Ethics in paediatric practice Pharmaceutical care. The pharmacist-patient relationship. Conflicts of interest: the relationship between the medical and pharmaceutical industry

Temporary organization of learning:

Block of content	Number of sessions	Hours
Special Issues in Bioethics II	32,00	64,00

References

CORE READING
Juan Pablo II. (1984). Salvifici Doloris. Carta apostólica sobre el sentido del sufrimiento humano.Sgreccia, E. (2009).Manual de Bioética, Tomo I. Edit. BAC. Madrid.Herranz, G. (1992). Comentarios al Código de Ética y Deontología Médica. Edit. EUNSA.Pamplona.**SUPPLEMENTARY READING**
Pontificio Consejo para la Pastoral de los Agentes de la Salud. (1995). Carta de los Agentes dela Salud. Ciudad del Vaticano.López Guzmán, José. (2005). Ética en la industria farmacéutica: entre la economía y la salud.Edit. EUNSA. Pamplona.Aluízio Borém, Fabrício R. Santos, David E. Bowen. (2003). Understanding Biotechnology.Prentice Hall PTR.Joseph Panno. (2005). Gene Therapy: Treating Disease by Repairing Genes. The “new biology”series. Facts On File.F.Kresina, (2001). An Introduction to Molecular Medicine and Gene Therapy. Edited by Thomas;Wiley-Liss,Inc. JOHN WILEY & SONS.Martin L. Yarmus et al. (2005). Biotechnology for biomedical engineers. Principles andapplications in engineering, CRC PRESS,. A Report of The President’s Council on Bioethics, (2003). Beyond Therapy. Biotechnology AndThe Pursuit Of Happiness Washington, D.C. http://www.bioethics.govRoman Gardlík , Roland Pálffy , Július Hodosy , Ján Lukács , Peter Celec, Ján Turna. (2005).Vectors and delivery systems in gene therapy. Med Sci Monit,; 11(4): RA110-121.http://www.MedSciMonit.com/pub/vol_11/no_4/6257.pdfDavid B. Resnik. (2001). Bioethics of Gene Therapy. Encyclopedia Of Life Sciences MacmillanPublishers Ltd, Nature Publishing Group.Henry I. Miller.(1998) Designer genes for ‘enhancement’: will they wash? TIBTECH (vol 16)Anders Nordgren (ed). (1999). Gene therapy and ethics. Uppsala University Library. SwedenN.R. Lemoine (ed.), (1999). Understanding gene therapy., Springer