



Universidad
Politécnica
de Cartagena | Campus
de Excelencia
Internacional

ETHICS AND PROFESSIONALISM IN SCIENCE

ÈTICA Y PROFESIONALIDAD EN LA CIENCIA

**Actividades Transversales de Doctorado
Universidad Politécnica de Cartagena
Curso 2020/21**

1. Información general de la actividad /General course information					
Nombre/ Name	Ethics and professionalism in science.				
Nivel /Level	Doctorado				
Modalidad de impartición / Teaching mode	Online				
Lengua impartición/ Language	Español/English				
ECTS	1	hours / ECTS	30	Total hours	30

2. Datos del profesorado / Lecture data			
Profesor /Lecturer in charge	Juan Ruiz Álvarez		
Departamento o Servicio/ Department/Service	Departamento de Matemática Aplicada y Estadística		
Area de conocimiento /Knowledge area	Matemática Aplicada/Applied Mathematics		
Despacho /Office location	Escuela de Civil/Navales 2.07		
Teléfono /Telephone	968325528	email	juan.ruiz@upct.es
URL / WEB	https://personas.upct.es/perfil/juan.ruiz		
Horario de Atención /Office hours	Disponible en: https://personas.upct.es/perfil/juan.ruiz#docencia Available at: https://personas.upct.es/perfil/juan.ruiz#docencia		

3. Fechas por edición / Dates	
1ª edición / 1st edition-	Esta asignatura se puede cursar durante todo el curso con una evaluación a principios de junio y otra en septiembre. The subject will be available the whole course in online mode with one assessment at the beginning of June and another one in September.
Fecha/Date	Febrero-septiembre de 2021 February-September 2021
Horario/Hours	To be announced.
2ª edición / 2nd edition	
Fecha/Date	
Horario/Hours	
3ª edición / 3rd edition-	
Fecha/Date	
Horario/Hours	

(añadir o eliminar tantas ediciones se haga. Si la docencia es continua a lo largo del curso se indicará solo en la 1ª edición)

4. Objetivos del curso/Course objectives
<p>The main objective of this course is helping the future researchers to increase their ethical sensitivity, ethical knowledge, to improve their ethical judgment and to enhance their ethical behaviour in publications and research.</p> <p>This course is an introduction to the philosophical study of morality, including the theory of right and wrong behaviour, the theory of value (goodness and badness), and the theory of virtue and vice. Besides providing familiarity with the primary questions addressed within moral philosophy and the most influential answers given by well-known philosophers, this course is designed to help students develop their abilities to read, explain, analyze, and evaluate philosophical literature, write and express themselves well about their own ethical positions, and think critically and analytically about ethical issues, particularly related to science and the scientific publication process.</p> <p>The most important points of the course are:</p> <ul style="list-style-type: none"> • Excellence, integrity, and honesty in all aspects of research. • Personal accountability in the conduct of research and the dissemination of the results.

- Professional courtesy and fairness when working with other colleagues.
- Unselfish cooperation in research.
- Legal compliance in all aspects of research, including intellectual property.

5. Contenidos teóricos / Theory programme

1. Introduction. What are professional norms? What are norms for life scientists? Which norms are universally subscribed to be scientists?
2. Ethics: A framework for dealing with ethical problems in research.
3. Methodology and reporting.
4. Interpersonal relationships.
5. Practical applications in reporting and peer review.
6. Institutional responsibility.
7. The role of scientists in society.

6. Contenidos prácticos / Practical programme

Students will write essays to analyse cases or case scenarios of their interest related to each point of the theoretical programme. Their essays will include discussions about the ethical issues raised by the cases chosen. Faculty will participate in the discussions and assist the students to understand aspects of the case that they may have missed.

7. Sistema de evaluación/ System of evaluation

Students will be assessed through exercises and assignments. The assignments will consist in writing essays that cover the main points of the course and to discuss with the professor the more important points.

**8. Distribución horaria de los contenidos, incluyendo las tareas de los alumnos
/ Hours distribution**

Activity	Location	Hours
Study the documentation of the course and revise all the material provided. This part also includes some online sessions where the students will be able to discuss with the professor the different aspects of the course.	Online	10
Research about the topics suggested for every point of the subject.		10
Prepare different essays that cover all the points of the course and discuss with the professor the ethical aspects that might rise.		10
		30