

ENGINEERING DEONTOLOGY

General Information



Semester: **S1 and S2**

Language: **English**

Description



In this course we will deal with the ethics of engineering. We will approach the relationship between science, technology and society from a genealogical and systemic point of view. We will analyse the development of the regulatory framework in the European Union. Finally, we will experiment with how to integrate the ethical approach in our research practice.

Methodology



- Master classes.
- Tutorial sessions.
- Guided readings.
- Discussion groups.
- Practical exercises (challenges, case analysis...).

Contents



- **Engineering Ethics.**
- **Science, technology and society.**
 - Standard model.
 - Socio-technical model.
 - Global challenges and innovation systems.
- **Systematic approach**
 - Classical theories: the concept of responsibility.
 - Contemporary theories: risk paradigm.
 - Responsible research and innovation (RRI).
 - Case studies.
- **Normative framework**
 - ELSA: Ethical, Legal and Social Aspects of Science.
 - RRI: Responsible Research and Innovation.
- ***“Doing and Experiencing Dialogical Reflection on Research and Innovation”***