

Course Syllabus

1. **Course number and name:** 020ETHGS1, Engineering Ethics
2. **Credits and contact hours:** 4 ECTS credits, 35h
3. **Instructor's or course coordinator's name:** Michel Scheuer
4. **Textbook and other supplemental material:**
 - a. Class notes
5. **Specific course information**
 - a. **Catalog description:** Teach students the principles of ethics in engineering and the relationship of engineers with each other and with the order of engineers.
 - b. **Prerequisites:**
 - c. **Required/Elective/Selected Elective:** Required General Education course in all options.

6. Specific goals for the course

a. Specific outcomes of instruction:

- Introduce the students to references in ethics, ethics law, human rights, conscience, freedom.
- One or more ethics? according to cultures? according to the values? ethics and spirituality, ethics and religions.
- Some topical issues concerning the ethics of the person in society: bioethics in the 21st century.
- Some typical issues in the ethics of society at the service of the person: social, political, economic, entrepreneurial ethics.
- Relations between Engineers. Relations with the order of Engineers.
- Code of conduct
- Given current trends in sustainable development, dissemination of information to stakeholders, and transparent and honest competition, the notion of business ethics is unavoidable.
- The proposed course offers prospective engineers the opportunity to understand the professional world from an analytical point of view and in accordance with the current requirements of management ethics. They can distinguish themselves by a critical and responsible professional spirit.
- The notion of ethics in general and its ethical aspects concerning the engineering profession. Its main objective is to make students aware of the notion of ethics applied to business as they are destined to become future engineers operating in public or private companies and affecting all fields.

b. KPIs addressed by the course:

KPI	f1	g1	g2
Covered	x	x	x
Assessed	x		
Give Feedback	x		

7. List of topics covered and approximate number of lectures (1 lecture = 1h 15 min):

1. Introduction (1 lecture)
2. Ethics, Religion and society (2 lectures)
3. Ethics, Engineers, Code of Conduct, Profession, Order of Engineers (8 lectures)
4. The need for ethics and the stakes of ethics in company (2 lectures)
5. The institutionalization of ethics in corporate governance (2 lectures)
6. Ethics and responsibility (2 lectures)
7. A typology of formalized ethics policy (2 lectures)