



## ETHIQUE

## ETHICS

Lecturers: Romain SAUZET, Nicolas HOURCADE

| Lecturers : 14.0 | TC : 4.0 | PW : 0.0 | Autonomy : 0.0 | Study : 0.0 | Project : 0.0 | Language : FR

### Objectives

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This course deals with ethical issues related to engineering professions, and, more broadly, to contemporary sciences and technologies. Ethics is an irreducible dimension of human action, with regard to its responsibilities, in various fields: personal or professional, individual or collective. Philosophy helps to analyze and understand the choices to make the best decisions in complex and unique situations.

**Keywords :** Ethics ; Morality ; Responsibility ; Technology

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### Programme

- Course 1 - Introduction
- Course 2 - What is a value?
- TD 1: The Ethics of Discussion
- Course 3 - Values and Technique
- Lessons 4 & 5 - The major ethical resolutions
- Course 6 - Values and problems of the engineering world
- Course 7 - Environmental ethics
- TD 2: The Ethics of Artificial Intelligence

### Learning outcomes

- Understand ethical issues of engineering practices.
- Understand interest and limits of the professional deontology.
- Formalise a problem and identify the difficulties generated by an unpredictable and uncertain context.
- Being able to differentiate and articulate moral and ethical strategies.

### Independent study

**Objectifs :** Documents'analysis (text or film).

**Méthodes :** TD1: analyse of extracts from a film related to the content of the ethics course. Instructions given at the beginning of the TD.

TD2: Upstream analyse of documents and answer to questions on them. The students have to present their work done in groups during the TD.

### Core texts

Flandrin, Laure & Verrax, Fanny, *QUELLE ÉTHIQUE POUR L'INGÉNIEUR ?*, Charles Léopold Mayer., 2019

Billier, Jean-Cassien *INTRODUCTION À L'ÉTHIQUE*, PUF, 2014

Johnson, Deborah G. *ENGINEERING ETHICS. CONTEMPORARY AND ENDURING DEBATES*, Yale University Press, 2020

### Assessment

Final mark = 100% Knowledge  
Knowledge mark = 100% final exam