



2SL3000 – Philosophy

Instructors: Cynthia Colmellere

Department: DÉPARTEMENT SCIENCES HUMAINES ET SOCIALES

Language of instruction: ANGLAIS, FRANCAIS

Campus: CAMPUS DE METZ, CAMPUS DE PARIS - SACLAY, CAMPUS DE RENNES

Workload (HEE): 30

On-site hours (HPE): 18,00

Description

This course is an introduction to philosophy. It is structured around different branches of philosophy, in particular moral and political philosophy and the philosophy of science.

This teaching has four objectives.

1. Introduce the discipline through its history, the major questions it addresses and the types of answers it offers,
2. Understand and question the scientific approach based on knowledge in the philosophy of science and epistemology,
3. Initiate and deepen a reflection on scientific and technological progress with social progress.
4. Based on fundamentals in moral and political philosophy, propose resources for reflection on professional (engineering ethics) and personal ethics.

The examples and situations are taken from different fields related to the social issues covered in the curriculum from the first year onwards. These examples could be linked to scientific, technological, political and social news. This variety of situations, and contexts is intended to facilitate the understanding and use of the concepts studied.

Each part includes a theoretical basis and developments based on examples from the history of science and technology and political and social history.

Main concepts covered

- Truth, scientific evidence
- Knowledge, ignorance
- Technological progress/social progress
- Power, democracy, responsibility
- Ethics

**Quarter number**

ST7

Prerequisites (in terms of CS courses)

none

Syllabus

Each class session lasts 1h30, the sessions are grouped into 3h sessions

Class components (lecture, labs, etc.)

This course takes the form of conferences.

Grading

The evaluation is an individual work (essay), duration: 3H

Course support, bibliography

Each speaker will send a bibliography relating to his or her part of the course.

Resources

Specialists give the courses in the form of conferences:

Gif: M. Girel et M. Klein

Rennes : M. Calori, Mme Gueguen

Metz Mme Aubert

Please note that the course content and examination subjects differ from one campus to another.

Description of the skills acquired at the end of the course

- Understand situations of innovation, uncertainty, controversy, crisis, economic and technological change using a critical analysis of scientific knowledge.
- Identify, in these situations, the normative frameworks, the worldviews, the economic, ethical, and societal stakes of the different actors concerned (collaborators, citizens, scientists, or institutions), and consequently their respective positions.
- Associate in one's analyses, decisions, and actions, technical, scientific and human, and social sciences knowledge.