

Description

Artificial Intelligence and in particular robots, autonomous systems, drones, connected objects, machine learning algorithms and automated weapons rise fears of society. This course provides students with some elements for reflection on possible AI impacts on jobs, society, human-machine relation, values and security. What is “good AI”? What regulation can control “bad AI”? Emphasis is on knowing the AI possibilities, practice critical thinking and smart development of applications and devices.

Learning Objectives and Outcomes

- Get awareness about AI impacts
- Understand AI possibilities and limitations
- Understand the potential treats of AI
- Learn to explore human-AI collaborative intelligence
- Understand the role of AI regulation

Course Schedule and Contents

Session#1

- Course description and objectives
- Definitions
- Motivations of AI
- Myths & limits

Session#2

- Example of human decision making and automated DM
- Role of knowledge
- EU requirements for AI Ethics, discussion
- Investor and Lawyer point of view

Session#3

- Explore & comment some ethical approaches of large IT companies
- Impacts of AI
- Challenges for future (applications)

Session#4

- Challenges for future of AI
- Discussion related to AI Ethics from the perspective of students learnings
- Quiz



Grading

Will be based on active participation in discussions and relevance of comments 50%

Quiz 50%

References

In the course presentation

Policies

- I expect your involvement and active thinking.
- Any work submitted must be your own.
- I expect everyone to contribute equally to group assignments.
- Attendance in every class is expected and class participation and discussion is strongly encouraged.
- Late work will not be accepted unless prior arrangements have been made directly with me.

Good Luck!