UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Philosophy of Artificial Intelligence

2627-102R-17

Title

Philosophy of Artificial Intelligence

Teacher

Daniela Besozzi, Edoardo Datteri, Chiara Gallese, Marco Salvatore Nobile

Language

English

Short description

Contemporary research in artificial intelligence (AI) raises a multitude of unique philosophical questions and dilemmas. While these issues are urgent and pressing, they are often overlooked or only superficially addressed in science and technology courses.

For example, can AI systems have a mind and develop consciousness? What does it mean for AI systems to learn? What data do AI systems use, and how do they use it, to generate predictive models? What kind of knowledge can predictive models provide about the world, and how can this knowledge be justified? What kind of explanations should explainable AI systems provide? How can we trust AI systems? How can we ethically evaluate

their behaviour and assign responsibility for their actions?

These questions pertain to different branches of philosophy, and are at the centre of public debate on AI. This course will address these issues and others that, in various ways, revolve around the question of whether AI systems can have a mind. The highly interactive lessons are intended for doctoral students from fields other than philosophy who do not have a philosophical background.

Target audience

PhD students enrolled in any UNIMIB's doctoral programme.

Maximum number of participans

30

Assessment method

The assessment will be based on a short reflective text (one page at most) written after the last lesson. In this text, students will be asked to reflect on what they have learnt during the course.

CFU / Hours

1 / 12

Teaching period and mode

Date TBA
Can machines have a mind?
Lecturer: Prof. Edoardo Datteri (University of Milano-Bicocca)

Date TBA
Machines don't have a mind
Lecturer: Prof. Daniela Besozzi (University of Milano-Bicocca)

Date TBA
Mind machines even if they don't have a mind
Lecturer: Dr. Chiara Gallese (University of Tilburg)

Date TBA
When machines pretend they do have a mind

Lecturer: Prof. Marco S. Nobile (Ca’ Foscari University of Venice)

course registration on “Segreterie online”

Sustainable Development Goals

QUALITY EDUCATION