



Philosophy of Artificial Intelligence
course syllabus for the academic year 2023/2004

Basic information	<p>Meeting times & place:</p> <ul style="list-style-type: none">• In person, every Wednesday 14-16, room 3, WEiTI building. OR• In person, every Thursday 8-10, room 105, MIN building. <p>Instructor:</p> <ul style="list-style-type: none">• Antonio Vassallo, PhD• Email: antonio.vassallo@pw.edu.pl• Office hours: Wednesday 10-11:30, room 506, Noakowskiego building.• Contact also available via MS Teams (personal chat + course team)
Brief course description	<p>The course will consider the philosophical questions raised in relation to the development of the field of artificial intelligence (AI). A particular attention will be paid to the implications of AI technologies for the long-standing debates in philosophy of mind, as well as the ethical repercussions of the use of AI in science and society.</p>
Assessment criteria	<p>50% Active attendance 50% Presentation</p>
Course content	<p>The course topics are:</p> <ol style="list-style-type: none">1. What is Artificial Intelligence?2. Virtual Machines3. The Major Types of AI4. A Brief History of AI5. AI meets Philosophy of Mind: The Mind-Body Problem6. Dualism7. The Mind-Brain Identity Theory8. Turing Machines9. The Computational Theory of Mind10. Neural Networks11. The Connectionist Theory of Mind12. The Turing Test13. The Chinese Room Argument14. The Ethics of AI
Tentative source	<ul style="list-style-type: none">• M.A. Boden - Artificial Intelligence: A Very Short Introduction,

materials and other references (subject to changes)	<p>Oxford University Press, 2018.</p> <ul style="list-style-type: none"> • S. Russell, P. Norvig - Artificial Intelligence: A Modern Approach (Fourth Edition), Pearson, 2021. • N. Bostrom - Superintelligence: Paths, Dangers, Strategies, Oxford University Press, 2014.
Teaching and learning methods	<p>During each class, the students will be presented with a number of philosophical topics involving AI technologies. They will be asked to engage in group discussions that will deepen their understanding of the issues involved. At the end of the semester, each student will prepare and deliver to the class a short presentation on a topic previously agreed with the instructor.</p>