

Course Description Template

Offered by	OUC
Title	AI in Everyday Life
Language	English.
Expected start date	2026-Nov-01
Description	<i>What is AI really?</i> We've all heard the hype – as well as the doom and gloom – surrounding Artificial Intelligence. Will AI make our lives easier, by providing us with the futuristic gadgets that we see in sci-fi movies? Or will it become smarter than us and replace us as decision makers in our own lives? What is all this talk about AI driving the Fourth Industrial Revolution and what does it mean for young people who will soon be entering the workforce...or for those who entered the workforce before the rise of AI? The reality is that AI is already a part of our everyday lives. From the use of applications such as "ChatGPT" to summarize or translate a text for us, to the use of the Google search engine that returns the information we requested in just a few seconds, or even when we discover interesting content on social networks, we are using AI. In this course, we will draw on our familiarity with such "everyday" applications, to explore the technical, but also social and ethical aspects, of the modern AI paradigm. Via the course exercises, emphasis will be placed on the use and evaluation of AI applications within "everyday" tasks associated with research and education in the university.
Objectives and learning outcomes	By the end of the course, students will be able to: 1. Understand the basic elements of modern, data-driven AI technologies, and how they are developed; 2. Become familiar with fundamental definitions and concepts related to data science and AI; 3. Be able to explain what machine learning is and how it relates to Big Data; 4. Analyze a given "everyday" application and identify its basic functions; 5. Critique the same application as to its potential social and ethical implication; Comprehend the role of their own personal data in the AI ecosystem.
Modules	1. Introduction 2. Fundamentals of AI Applications 3. Ethical Issues and "Trustworthy" AI 4. Machine Learning and Big Data 5. Vision Technologies 6. Language Technologies 7. Search Technologies

	8. Personalization Technologies
Audience	PhD students from all fields of knowledge at the member universities of the Open EU project. No background knowledge is assumed.
Tutors	J. Otterbacher, S. Kleanthous
Workload	2 ECTS
Duration	8 weeks
Maximum number of admitted students	No limit
Structure	Each weekly learning unit consists of: asynchronous study (readings and 2 video lectures), 1 hour synchronous meeting, self-assessment quiz, weekly assignment.
Contact person	Jahna Otterbacher (jahna.otterbacher@ouc.ac.cy)