AI-HED
Artificial Intelligence in Higher Education
Teaching and Learning

Training on AI in HEIs

University of Zagreb Faculty of Organization and Informatics

Amsterdam University of Applied Sciences

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This document contains some of the results and deliverables of the Artificial Intelligence in Higher Education Teaching and Learning (AI-HED) project.

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Language models and other AI-based tools were used in the process of creating this document.

Contents

Dear Lecturer!

We are pleased to invite you to participate in an engaging 2-day training on **Artificial Intelligence (AI) in Higher Education (26 Feb and 5 Mar)** explicitly designed for higher education institution (HEI) lecturers across the consortium of the AI-HED project funded within the Erasmus+ programme. This training is a unique opportunity to learn about, apply, and collaboratively explore the role of AI in teaching and learning, focusing on practical, team-based activities and real-world applications.

> **What:** A 2-day training for university lecturers from each partner HEI.
> **Who:** This training is open to lecturers of all levels of familiarity with AI. No previous AI-related knowledge is required; experience with AI-based tools will be beneficial. Certificates of attendance will be provided after the training.
> **How:** Face-to-face sessions on each HEI campus combined with virtual elements where all HEI lecturers are connected, promoting rich international interaction. Activities are designed in an interactive, gamified format to engage participants in a collaborative learning experience.
> **Where and when:** On campus at each partner HEI, connected through video conferencing; 26 Feb and 5 Mar 2025, 9:00 – 13:00 CET.

The training features **three teaching sessions**, a practical **workshop session**, and **attendee presentations** to share knowledge, ideas and examples of use.

Day 1 26 Feb 2025	Teaching session General introduction to AI and AI-based tools, short showcase of some tools, recent history of AI development, competencies and tools	Workshop session Practising using a set of tools in teams, locally	Teaching session Using AI-based tools in classes, case studies and examples of use, pedagogical impact
Day 2 5 Mar 2025	Teaching session Ethical, philosophical, and pedagogical topics and the relevant policies, legal, and privacy discussions, especially in education	Attendee presentations 6 teams, 15 minutes/team	Attendee presentations 3 teams, 15 minutes/team

Learning outcomes include explaining fundamental AI concepts, applying appropriate AI-based tools in the educational context, evaluating the effectiveness of introduced AI-based tools in teaching and learning, and looking through the lens of ethics.

Stay ahead and check the additional information available on the AI-HED website!

Kindly **register your attendance** by **19 Feb** at the UNIZG FOI Events system.

We look forward to your participation and the creative ideas you bring to this event!

Warm regards,

AI-HED project team

Training Details

The training on **Artificial Intelligence (AI) in Higher Education Institutions (HEIs)** is strategically planned as a two-day event, with one day each week. We have chosen two Wednesdays in two consecutive weeks to ensure maximum convenience. The dates are:

- Wednesday, 26 Feb 2025, 9:00-13:00 CET,
- Wednesday, 5 Mar 2025, 9:00-13:00 CET.

The Format

The training is planned as activities of at most four 60-minute hours per training day. This schedule is divided into three teaching sessions, one workshop session, two attendee presentation sessions, and breaks for refreshing concentration.

Three teaching sessions are planned, two for the first day and the remaining for the second day.

- **The first** session is a general introduction to the domain of artificial intelligence (AI) with a quick overview of the concepts related to AI, followed by a look at the recent development of AI. A selection of AI-based tools (selected from the Starter Kit) is presented, along with a showcase of their use in general (possibly in the context of education). Competencies and the heatmap (from the Starter Kit) are also discussed here.
    - Lecturer: Asst Prof. Bogdan Okreša Đurić, University of Zagreb Faculty of Organization and Informatics Artificial Intelligence Laboratory
- **The second** session is focused on the teaching and learning processes. AI-based tools are discussed in the context of education, especially in higher education. Case studies are presented, and examples of the partners' use are given.

The pedagogical impact of using AI-based tools in education is provided. The applicable teaching and learning methods and approaches are discussed.

- Lecturer: Full Prof. Markus Schatten, University of Zagreb Faculty of Organization and Informatics Artificial Intelligence Laboratory

- **The third** session concerns the AI domain's ethical, philosophical, and pedagogical topics and the relevant policies, legal, and privacy discussions. This session emphasises soft skills crucial when dealing with AI-based tools and their results, including critical thinking, equality, and equity. AI-related policies are introduced and discussed. Particular emphasis is given to the context of higher education.

    - Lecturer: TBA

The single **workshop session** is planned for the first day. The attendees are introduced to different tools and examples of their use. Local teams are formed. Expectations of the teamwork are communicated. Local moderators will introduce teams to a selection of AI-based tools and showcase their use. Teams of participants are encouraged to use the tools and test their abilities.

Attendee **presentation sessions** are planned for the second day of the workshop. The teams present their developed use cases. Each team is given exactly 10 minutes to present their results. After each presentation, 5 minutes are reserved for feedback or questions.

Introduction and closing sessions serve as introduction time with an overview of the coming day, feedback collecting, and Q&A sessions at the end of each day.

The Learning Outcomes

- Explain fundamental AI concepts and key tool categories and describe their essential functions in educational contexts.

- Analyze the influence of AI on pedagogical methods, ethical considerations, and equitable outcomes in teaching and learning.

- Apply appropriate AI-based tools to address real-world educational challenges.

- Evaluate the effectiveness of AI implementations by examining evidence of their impact on specified learning outcomes.

- Synthesize technical knowledge and ethical insights into use-case scenarios, incorporating constructive peer feedback and collaborative refinement.

The Venue

Each partner implements the training locally. All the partners organise their participants to be present at the same time. Teaching sessions are streamed online to each of the partners. Each partner has a local moderator.

The Schedule

From	To	Day 1 26 Feb 2025	Day 2 5 Mar 2025
09:00	09:15	**Welcome and introduction** Introduction to the Training and overview of the expectations of Day 1	**Introduction** Overview of the expectations of Day 2 feedback review
09:15	10:00	**Teaching session** General introduction to AI and AI-based tools, short showcase of some tools, recent history of AI development, competencies and tools	**Teaching session** Ethical, philosophical, and pedagogical topics and the relevant policies, legal, and privacy discussions, especially in education
10:00	10:15	Break	Break
10:15	11:45	**Workshop session** Practising using a set of tools in teams, locally	**Attendee presentations** 6 teams, 15 minutes/team
11:45	12:00	Break	Break
12:00	12:45	**Teaching session** Using AI-based tools in classes, case studies and examples of use, pedagogical impact	**Attendee presentations** 3 teams, 15 minutes/team
12:45	13:00	**Closing and Q&A** Feedback survey; Q&A chiefly focused on the workshop; optional discussion	**Closing and Q&A** Feedback survey; Q&A or discussion on the whole workshop; closing the Training

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