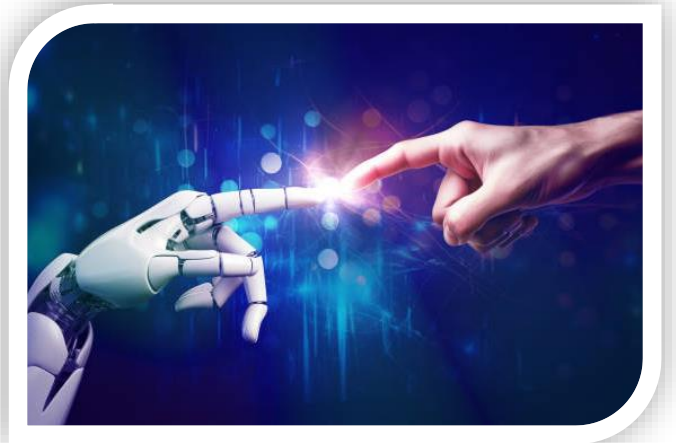




Integrating AI in the Classroom With Critical Thinking

COURSE DETAILS:

- 🕒 **One-Week course**
- € **Starting from 480€* (cultural activities included)**
- 📄 **Certificate of attendance included (80% of attendance required)**
- 📍 **Available in Madrid**



Course description:

As AIs continue to appear on the web and multiply their areas of expertise, it's likely that students will encounter them more often in the future. It actually is very likely that we will all need to deal with the **growing relevance of AI** in many aspects of our lives, including future careers.

The situation certainly leaves us with many doubts about the future. These questions are likely relevant for teachers:

What is my role in an AI-driven world?

Can I use AI to improve student learning and well-being?

How can I use AI to identify students who are struggling sooner and provide targeted support for them?

Am I able to create more intelligent tutoring systems?

How can I automate routine tasks such as grading with AI?

The course will explore how AIs can be used to answer these questions. It will help participants stay up to the minute with the **latest technology trends** and prepare their students for the future.

The course is designed for teachers of different subjects (e.g., STEAM, language, social science, and history) who want to incorporate **artificial intelligence tools** in their teaching methodologies.

Participants will learn how to leverage edTech apps and AI tools to create **Dynamic learning experiences** that help students explore complex issues.

The course will be delivered through a combination of direct instruction, hands-on activities, and group discussions. Teachers will have the opportunity to explore **AI-powered tools** and resources and develop lesson plans integrating AI into their teaching practices.

Moreover, on each day, participants have a “discussion of the day” enabling them to put their knowledge into practice, share their ideas, and possibly **develop collaborative projects** among their schools.

By the end of the week, teachers will have a deep understanding of AI and how AI can be used to upgrade different subjects and will be equipped with the tools to create engaging and **innovative AI-infused lessons** for their students.

Learning outcomes

The course will help the participants to:

- Acquire a solid understanding of emerging trends and technologies in AI for K-12 education.
- Develop lesson plans integrating AI in K-12 classrooms.
- Explore how AI can be used to promote critical thinking, creativity, and collaboration.
- Assess student learning with AI.

Tentative Schedule

Day 1 - Course introduction

- Introduction to the course, the school, and the external week activities.
- Icebreaker activities.
- Understanding what AI is and how it Works.
- AI in education: opportunities and challenges.

Day 2 - AI in mathematics and science

- Essential AI vocabulary.
- Using AI for problem-solving, critical thinking.
- How to use Microsoft Math Solver or Biology Buddy in Math and Science.

Day 3 - AI in language and literature

- Framing effective queries and engaging conversations with AI.
- Can AI empower Positive Reinforcement learning tools and help deeper learning?
- Use of AI in writing prompts, grammar checking, and essay evaluation.

Day 4 - AI in social studies and art

- Introduction to digital citizenship and responsible use of AI.
- The role of digital literacy in Social Studies and Humanities.
- How AI is used in creating art (examples of AI in music and visual arts).

Day 5 - AI tools for classroom use

- Using AI platforms to create a lesson plan for a topic of their choice.
- Designing a curriculum that incorporates AI.
- Integrating AI into existing curriculum.

Day 6 - Course closure and cultural activities

- Course evaluation: round-up of acquired competencies, feedback, and discusión.
- Awarding of the course Certificate of Attendance.
- Excursion and other external cultural activities.



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