

# ICT for education professionals

## Course Outline

- This course will be divided into the following areas of applied digital competences and will include a variety of digital tools and teaching strategies relevant to each one. Examples, activities and scenarios developmentally appropriate for different student age levels and grades levels as well as google workplace for education, Microsoft 365 will be offered.

## The aim of this course is to

- Equip educators with a diverse range of assessment strategies, including formative and summative assessments, leveraging multimedia forms and collaborative forums to enhance student learning outcomes.
- Empower participants by fostering creative thinking through voice and choice, offering media options aligned with learning objectives, and encouraging critical evaluation of media formats and digital tools.
- Develop participants' critical thinking and media literacy skills, providing them with tools and strategies to assess multimedia information critically and curate online content effectively.
- Enable educators to harness the power of digital media creation, exploring generative artificial intelligence tools and various audiovisual tools for image, text, and video generation while addressing privacy and data protection concerns.
- Enhance teaching and learning practices through the use of cloud-based platforms like Google Workspace or Microsoft 365, promoting collaboration, student-centered teaching, engagement, self-regulated learning, and project-based learning with the support of digital project management tools for teachers.

## Activities

- Conduct formative assessment activities utilizing multimedia forms and collaborative forums to support student-to-student interaction and feedback exchange.
- Facilitate hands-on workshops on digital media creation, covering a range of tools such as Edpuzzle for interactive video assessments and Adobe, Apple, and Microsoft tools for image, audio, and video editing.
- Organize sessions on critical thinking and media literacy, providing students with tools and strategies to critically assess multimedia information and curate online content effectively.

- Implement project-based learning scenarios using digital project management tools, guiding and supporting students through the project development process.
- Engage participants in collaborative learning experiences using cloud-based platforms like Google Workspace or Microsoft 365, promoting student-centred teaching, collaboration, and self-regulated learning.

## Outcomes

### Assessment

Formative assessment

- Multimedia forms
- Collaborative forums for student-to-student support
- Commenting and messaging tools

Summative assessment

- Multimedia options for summative assessments
- Automatic grading and feedback
- Streamlining assessment workflow between your LMS and SIS.

### Student empowerment

Developing creative thinking through voice and choice

- Offering media options appropriate to the learning objectives
- Encouraging student evaluation of media formats and digital tools

Critical Thinking and media literacy

- How to develop critical assessment of multimedia information in students
- Tools and strategies for curating and organizing online information.

### Digital Media Creation

Generative Artificial Intelligence

- The pros and cons of different tools for image, text, and video generation
- Privacy and data protection laws, students and generative artificial intelligence tool

Audiovisual tools (cloud based and installable)

- Edpuzzle (customizable interactive videos for assessment)
- Apple, Adobe and Microsoft tools for image, audio, and video editing
- Cloud based options for collaboration (WeVideo, Canva, Adobe Express and others)

**Teaching and Learning**- using cloud based platforms like Google Workspace or Microsoft 365 to develop the following:

- Collaboration
- Student centred teaching
- Student engagement
- Self-regulated learning

**Project Based Learning**

- Digital project management tools for teachers
- How to guide and support students in PBL scenarios