UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Itc Environments For Education (blended)

2122-4-G8501R038-G8501R041M

Course title

Digital learning environments

Topics and course structure

The course, active in the summer semester 2019-20, will explore the theme of the use of digital technologies in teaching, offering an overview of possible strategies for the implementation of digital technology in the classroom context, and for the production of content.

The course will proceed on a weekly basis, each week having a focus on a specific topic:

- **Week 1 - Designing digital learning environments: an introduction**
- **Week 2 - Digital textbooks and Open Educational Resources**
- **Week 3 - The evolution of the classroom in the digital era**
- **Week 4 - Gamification and effective presentation techniques**
- **Week 5 - Multimedia content production and Digital Storytelling**

Each topic will be introduced by a suggested read or a video, then by a lesson in presence. The rest of the time will be devoted to online assignments and activities.

Objectives

Knowledge and understanding

- knowledge related to IT tools and innovative technologies for class management

Applying knowledge and understanding

- ability to create a welcoming and inclusive class evironment, for the inclusion of students with special educational needs or coming from different ethnic groups, cultures and religious beliefs;
- ability to plan lessons using a variety of organizational methods and solutions, calibrated for kindergarten and primary school and making use of innovative technologies;
- ability to document and to monitor the educational intervention.

Making judgements

- aptitude to renew teaching practices through openness to research, experimentation and innovation.

Communication skills

- the ability to organize and to communicate objectives, as well as the nature of the educational intervention, through proper planning;
- the ability to use digital communication tools in the school context, both to implement the use of educational technologies, and to reduce the distance between the formal languages of academic knowledge and those of the younger generations.

Learning skills

- willingness to explore the perspectives of technological and media research, with a specific interest in the themes of pedagogy and special education;
- aptitude for self-support and self-regulation of learning through autonomous research, also through the participation in training and professional development activities.

Methodologies

The course will be delivered in *blended learning* mode (part in presence and part online).

Different methodologies will be used, with the purpose of allowing participants to experience the different options provided by digital technologies in teaching and learning. The proposed activities will be structured in such a way as to guarantee an autonomous choice of times and difficulty levels: two exercises will be proposed every week, with different difficulty levels, and each participant will be required to perform at least one of them before the exams session. In total, therefore, it will be required to complete at least five assignments, all of them short and closely related to the contents discussed. At the discretion of the individual student, it will also be possible to carry out more than five activities.

The method has already been used in the past, with satisfactory results. An article presented at the Networked Learning Conference of 2018 contains detailed information on the results of the 2016-17 academic year.

Online and offline teaching materials

Slides, samples of digital learning materials in various formats, interactive content, video tutorials, scientific papers about various topics.

In-presence or synchronous lessons will be recorded and made available on the platform for all participants.

Programme and references for attending students

- A collection of selected open access articles will be made available on the course page.
- Mangiatordi, A. (2019). Costruire inclusione. Progettazione Universale e risorse digitali per la didattica. Milano: Angelo Guerini e Associati (digital edition available)

Programme and references for non-attending students

The programme and the references are the same for all. All classes will be recorded and published on the course page.

Assessment methods

Review / discussion of online activities

Oral exam with questions about texts in the programme

Non-attending students **must** follow the entire online course (recordings of all the lessons in attendance are available) and carry out the exercises: the exam will be the same as for attending students.

Office hours

An appointment can be booked using the following link:

https://tinyurl.com/ricevimento-AM

Programme validity

The programme is valid for two academic years.

Course tutors and assistants

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