

Academic Year/course: 2022/23

## 63145 - Analysis of digital resources for learning

### Syllabus Information

**Academic Year:** 2022/23

**Subject:** 63145 - Analysis of digital resources for learning

**Faculty / School:** 107 - Facultad de Educación

**Degree:** 330 - Complementos de formación Máster/Doctorado  
573 - Master's in Lifelong Learning: Introduction to Research

**ECTS:** 3.0

**Year:** 573 - Master's in Lifelong Learning: Introduction to Research: 1  
330 - Complementos de formación Máster/Doctorado: XX

**Semester:** Second semester

**Subject Type:** 330 - ENG/Complementos de Formación  
573 - Optional

**Module:**

## 1. General information

### 1.1. Aims of the course

The main objective of this subject is to evaluate in a practical way educational materials in digital format by applying research tools and techniques related to the field of educational technology and the analysis of educational materials.

Specifically, its objectives are:

- Evaluate from a critical perspective different types of digital educational materials
- Develop an evaluation rubric applicable to a specific digital educational material.
- Write an evaluation report about a specific digital educational material.
- Use ICT as a tool to access information, as a means of communication with others and as a means of disseminating the ideas developed.

These objectives are aligned with the following Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda (<https://www.un.org/sustainabledevelopment/es/>).

## 2. Learning goals

## 3. Assessment (1st and 2nd call)

### 3.1. Assessment tasks (description of tasks, marking system and assessment criteria)

A) Carry out individually a final report of the subject that will include an evaluation work of a digital educational material that must be designated by the professors of the subject. Qualification criteria:

- Final work: 60%.

- Presentation and defense of the work: 20%.

- Class work (practical exercises, readings, participation in forums, etc.): 20%.

The work will be defended before the teaching staff in a face-to-face public session or via videoconference.

B) All students have the right to take a global evaluation test, which will consist of the defense of an individual work with the same characteristics as the one described above and whose defense and delivery will take place on the date indicated in the calendar. academic. Likewise, the qualification criteria will be the same as those established in section A), having to reflect in the work the contributions equivalent to the classroom work.

C) Second and subsequent calls: Students who in the first or previous call have not obtained a grade greater than or equal to

5 points in the previously stipulated tasks must continue with the completion of the same proceeding to modify and correct all those questions indicated by the teachers; or proceed to its realization in those cases in which the qualification is not presented?.

Final memory

The work will include the practical application of the subject and the evaluation or analysis report of a tool and/or digital educational material will be presented in it, clearly explaining the rubric or analysis instrument designed for it. The presentation will meet the orthotypographic and content requirements of the scientific community (systematic presentation, correct spelling and punctuation, clear and grammatically correct writing. Citations, references and bibliography adjusted to orthotypographic standards. Scientific and professional terminology). The student must pay attention to the considerations of the teachers during the monitoring or tutoring of the work.

The following will be valued:

- inclusion of reasoned and argued personal reflection on the contents of the subject;
- inclusion of all the topics addressed in the matter;
- level of complementary readings on the topics of the subject;
- clarity and organization of the written and oral presentation;
- use of auxiliary means for oral presentations; grammar and spelling correction;
- complexity and detail of the analysis of ICT materials and reasoned justification for their evaluation;
- timely delivery of work;
- correction in the bibliographic citation system;
- adjustment to the extension requested in the written work.

Presentation and defense of memory

The memory will be presented and defended in the last class session. The presentation in the classroom will be evaluated independently of the written text of the memory. The argumentative capacity, the use of audiovisual or multimedia means, the adaptation to the available exposure time, the internal organization of the discourse, the inclusion of examples referring to each aspect evaluated in the material and the clarity, relevance and rigor in the answers will be valued.

Classroom work

To check the follow-up of the subject, a maximum of two short activities will be proposed, which will be carried out according to the calendar set out in the initial session and published in moodle. Fundamentally, these activities will consist of preparatory tasks for the final report and participation in discussion forums that show that the readings and consultations of materials indicated in each section have been carried out.

Both fraud and total or partial plagiarism in any of the assessment tests will lead to the subject failing with the minimum grade, in addition to the disciplinary sanctions that the guarantee commission adopts for these cases.

## 4. Methodology, learning tasks, syllabus and resources

### 4.1. Methodological overview

The methodology followed in this course is oriented towards achievement of the learning objective "to evaluate educational materials in digital format applying tools and research techniques related to the field of educational technology and to the analysis of educational materials". It is based on Flipped Classroom Methodology that favors the development of autonomous work and critical thinking. The activities taking place in class are reduced to the presentation of the course and to the presentation and defense of the students' work.

Activities of type c) (follow-up of works) will be reinforced and will be scheduled from the beginning of the course and they can be on-site or off-site, depending on the students' demand.

Further information regarding the course will be provided on the first day of class.

### 4.2. Learning tasks

The course includes 3 ECTS organized according to:

- Lectures (0.5 ECTS): 12 hours. The professor presents theoretical contents.
- Practice sessions (0.3 ECTS): 10 hours. They can involve discussion and presentation of case studies, practical work outside the classroom (field work or visits), and seminars.
- Autonomous work (1.5 ECTS): 27 hours. Students do tasks such as autonomous study, reading of the course book, preparation of practice sessions and seminars, and summative assignments.
- Tutorials (0.5 ECTS): 12 hours. Professors' office hours can be used to solve doubts and to follow-up students' work.
- Assessment (0.2 ECTS): 4 hours. Final examination.

### 4.3. Syllabus

The course will address the following topics:

1. The target of the teaching materials
2. The hardware and software for the design of multimedia and ICTs curricular materials.
3. Theories related to multimedia and digital learning
4. Methodology for the evaluation of digital information resources.
5. Paradigms of Research in Multimedia learning and Educational Technology.

### 4.4. Course planning and calendar

For further details concerning the timetable, classroom and further information regarding this course please refer to the "Facultad de Educación" website : <https://educacion.unizar.es/master-aprendizaje/master-aprendizaje>)

#### **4.5. Bibliography and recommended resources**

Recommended updated bibliography for the course: look on the website of the library.