

63309 - Materials Design for Distance Learning

Syllabus Information

Academic year: 2023/24

Subject: 63309 - Materials Design for Distance Learning

Faculty / School: 107 - Facultad de Educación

Degree: 584 - Master's Degree in Teaching Compulsory Secondary Education

590 - University Master's Degree in Teaching, specializing in Geography and History

591 - Master's Degree in Teaching, specializing in Philosophy

592 - Master's Degree in Teaching, specializing in Business and Economics

593 - Master's Degree in Teaching, specializing in Mathematics

594 - Master's Degree in Teaching, specializing in Technology and Computer Science

595 - Master's Degree in Teaching, specializing in Biology and Geology

596 - Master's Degree in Teaching, specialization in Physics and Chemistry

597 - Master's Degree in Teaching, specializing in Spanish Language and Literature. Latin and Greek

598 - Master's Degree in Teaching, specialization in Foreign Language: French

599 - Master's Degree in Foreign Language Teaching: English

600 - University Master's Degree in Teaching, specializing in Music and Dance

601 - University Master's Degree in Teaching, specializing in Industrial and Construction Processes

602 - University Master's Degree in Teaching, specializing in Administration, Marketing, Tourism, Services to the Community and FOL

603 - Master's Degree in Teaching, specializing in Sanitary, Chemical, Environmental and Health Processes Agri-food

ECTS: 3.0

Year: 1

Semester: Second semester

Subject type: Optional

Module:

1. General information

The subject aims to enable the student to consider the didactic aspects: context, target audience, curriculum, educational purposes, didactic functions and the role of teachers and the media involved in the design and elaboration of material for distance education

The main objective is that the student knows and uses the principles of the design of materials recommended in distance education, within a coherent training project

The subject has an important meaning in the training of future secondary school and professional training teachers, as communication technologies are advancing considerably, going beyond the classroom model.

These approaches and objectives are aligned with the following Sustainable Development Goals (SDGs) of the United Nations Agenda 2030 (<https://www.un.org/sustainabledevelopment/es/>), so that the acquisition of the learning results of the subject provides training and competence to contribute to some extent to their achievement: "Goal 4: Quality education; Goal 10: Reduction of inequalities", and "Goal 16: Peace, justice and solid institutions".

In principle, no prerequisites other than the generic ones are necessary for admission, however, it is desirable to have a good disposition for the elaboration of materials within a methodological approach supported by distance learning

2. Learning results

Elaborate and develop a work plan for secondary school, high school or professional training students, according to the educational reality, adapted to the context and characteristics of the students

Design the structure of an on-line training course and implement the necessary materials for its development.

The learning results obtained in this subject have an interdisciplinary value, so that their application is clearly transferable to different areas and different contexts, whether face to-face, blended or distance learning

3. Syllabus

- TOPIC 0. The Flipped Classroom.
- UNIT 1. Distance learning materials and/or OER (open educational resources): Implementation and design of DLM and/or REA. Educational platforms and websites with OER.
- TOPIC 2 Personal Learning Environments (PLE): Definition. Design and development.
- TOPIC 3. Learning Management Systems (LMS): Virtual educational spaces; Moodle, Edmodo, Dockless, WordPress,

Blogspot.

- TOPIC 4. Basic elements of course design with OER and DLM: Subject guide, title, target audience, objectives, contents, competencies, evaluation.
- TOPIC 5. AER elaboration.
- TOPIC 6. Gamification strategies.

4. Academic activities

The methodological approach is fundamentally based on three phases:

- 1ª.- Presentation, by the teacher, of the fundamental aspects to be taken into account in the design of materials for distance education
- 2nd.- Critical analysis of documents and discussion in class and in the Digital Teaching Ring (ADD).
- 3rd.- Student's presentation of the work done.

The proposed program of activities is as follows:

- a) Master classes
- b) Practical classes
- c) Design of work objectives and goals.
- d) Student participation in class sessions and individual study.
- e) Analysis of working papers.
- f) Participation in the Digital Teaching Ring.
- g) Directed work.
- h) Preparation and presentation of the proposed work material.
- i) Other activities that will be presented in class to complete the theoretical-practical development of the subject.

The students will have to make an intervention proposal addressed either to students of Secondary Education, Adult Education, or Professional Training students, using the methodology and use of materials for distance education. This proposal must be presented in class, in a public act in which they will discuss their proposal with the rest of the students

5. Assessment system

The student must demonstrate that they have achieved the expected learning results by means of the following assessment activities.

EVALUABLE ACTIVITIES CARRIED OUT DURING THE FORMAL TEACHING PERIOD

The continuous evaluation activities will consist of two parts:

1.- **Written test/Directed work:** Students will have to design a material, within a coherent training project belonging to their specialty, for a specific activity to be developed at distance. Presentation of the work (60% of the final grade)

2.- **Portfolio of the process:** in which the students will collect the monitoring reports of the process followed for the design and development of the proposed materials, difficulties encountered, method of problem solving used, strategies used, work strategies, group work..

In addition, this portfolio will include those activities proposed in class to guide the students' work, as well as the key ideas or conclusions drawn from the debate and sharing of classmates' work. (40% of the final grade)

GLOBAL TEST AND SECOND CALL

The global test of the subject will consist of a single written test with the following characteristics:

- an objective test with three alternative answers (40% final grade)
- development of a topic (40% final grade)
- the proposal for the design of a work material for a given case (20% final grade).

FIFTH AND SIXTH CALLS

To meet the criteria of the global test and second call.

Grading criteria

The student must pass all parts with a grade higher than 5.

Finally, it must be taken into account that the Regulations of the Rules of Coexistence of the University of Zaragoza will apply to irregularities committed in the assessment tests by means of academic fraud, as well as the application of article 30 of the Regulations of the Rules of Learning Assessment in relation to irregular practices other than academic fraud.