

Academic Year/course: 2023/24

## 63299 - The Productive Environment of Health, Chemical, Environmental and Agri-food Processes

### Syllabus Information

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**Academic year:** 2023/24

**Subject:** 63299 - The Productive Environment of Health, Chemical, Environmental and Agri-food Processes

**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:** 6.0

**Year:** 1

**Semester:** Second semester

**Subject type:** Optional

**Module:**

### 1. General information

The general objective of this subject is that students, who in the future will teach professional training, develop the necessary skills to use in their work the instruments and legal regulations that define the National System of Professional Training within their teaching.

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 knowledge, skills and competencies to contribute to some extent to the achievement of Goal 3: Health and wellness; Goal 4: Quality Education; Goal 5: Gender equality; Goal 8: Decent work and economic growth; Goal 10: Reducing Inequalities; Goal 12: Responsible production and consumption.

### 2. Learning results

1. To know the integral elements and management instruments of the Professional Training System and the legal regulations in which they are framed and to apply them in the tasks developed by a professional training teacher in an educational center
2. To Identify and analyse the processes of management and maintenance of equipment and facilities in the work environment of the corresponding professional family.
3. To analyse environmental and occupational risk prevention regulations, as well as assess the importance of their application.
4. To know the Spanish and European Framework of Qualifications for Education, and in particular those related to the Professional Training as well as standardisation, equivalence, validation and recognition of official qualifications in Professional Training, both at national and European level.
5. To know the quality management systems in the educational environment.
6. To know and contribute to the achievement of the Sustainable Development Goals (SDGs) from the professional practice and personal life.

### 3. Syllabus

- Management and integration of professional training
- The Professional Training System. Functions, objectives, components and management tools.

- Occupations and jobs in the different productive sectors.
- Prevention of occupational hazards in the corresponding professional family.
- SDGs (Environmental protection, waste management, sustainable management model).
- Concept of educational quality and educational quality management models.

#### 4. Academic activities

**Lectures** (24 h): presentation of the contents of the subject with a practical orientation of the Professional Training System

**Practical classes** (36 h): practical sessions aimed at the recognition of the integral elements and management tools of the Professional Training System

**Directed work** (26 h): focused on the accreditation of professional competencies, identification of occupational risks, proposal of activities that promote the achievement of the SDGs

**Individual study** (60 h)

**Evaluation tests** (6 h)

#### 5. Assessment system

It will be evaluated by means of the following activities (in all of them, a minimum of 4 out of 10 is required to obtain an average): **Analysis of the productive and educational environment (70% of the grade).**

Perform an analysis of the productive and educational environment contextualized in a professional module, at least associated to a Competence Unit. This work will include a practical assumption related to the integral elements and instruments of management of the Professional Training System. The following will be evaluated: the situation of the professional environment in which the professional is going to work, the most relevant occupations and jobs, the prospects in the sector, relevant aspects of the prevention of occupational hazards and the environment related to the professional family and the bibliography used. The work can be group work (maximum 3 people).

**Oral presentation (30% of the grade).** Oral defence of the didactic proposal (maximum time 15 minutes), co-evaluated by the rest of the students. The following will be evaluated: clarity and rigor of the information presented, appropriateness to the time allotted, relevance and originality of the resources used, interest generated, enthusiasm for the topic, eye contact and use of voice.

In group presentations, coordination in the intervention.

In any case, as part of the evaluation, the teacher may request, at random, the oral defence of the test or assignment submitted in writing, for the verification of the grade.

If any of these activities are not passed during the semester, they can be recovered in the global test of the two official calls . These evaluation criteria are the same for students in the 5th and 6th call.

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