

## 68570 - Design, organisation and development of activities for the learning of Industrial Processes

### Información del Plan Docente

<b>Academic Year</b>	2017/18
<b>Faculty / School</b>	107 - Facultad de Educación
<b>Degree</b>	368 - University Master's in Professional Development Teaching: Industrial Processes 415 -
<b>ECTS</b>	4.0
<b>Year</b>	XX
<b>Semester</b>	Indeterminate
<b>Subject Type</b>	Compulsory
<b>Module</b>	---

### **1.General information**

#### **1.1.Introduction**

The subject provides students with the knowledge, skills and attitudes required prior to design learning activities of the subjects of the specialty of industrial processes and to develop environments and resources necessary for the work of students in those stages.

In addition, this subject allows the integration of information technology and communication in formal learning situations and in professional practice .

#### **1.2.Recommendations to take this course**

#### **1.3.Context and importance of this course in the degree**

#### **1.4.Activities and key dates**

### **2.Learning goals**

#### **2.1.Learning goals**

The student achieved the following results:

- 1) Select appropriate strategies to different learning.
- 2) Select from existing resources required for those activities designed or designs and develops these resources.
- 3) Value the importance of the use of ICT in designing learning activities.
- 4) It is able to understand and properly use the tools of Web 2.0

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- 5) Organizes the spaces and educational resources for use in subjects related to the specialty of Industrial Processes.
- 6) It is able to organize the process of student work, taking into account the level of education : task sequence and timing.
- 7) Choose properly the role of the teacher in each activity.

### **2.2.Importance of learning goals**

### **3.Aims of the course and competences**

#### **3.1.Aims of the course**

#### **3.2.Competences**

### **4.Assessment (1st and 2nd call)**

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

### **5.Methodology, learning tasks, syllabus and resources**

#### **5.1.Methodological overview**

#### **5.2.Learning tasks**

#### **5.3.Syllabus**

The program that the student is offered to help you achieve the expected results includes the following activities ... 2.1. Theoretical classes: magisterial theoretical Exhibition (1 ECTS) Type 1 (in traditional classroom whole group): Module 1: Types of activities Definition of activity Initial activities. Features and objectives motivational activities. Features and objectives Discovery activities. Features and objectives Orientation activities. Features and objectives Analysis activities. Features and objectives Evaluation activities. Features and objectives Other activities. Features and objectives Module 2: The case method Introduction Case definition. Advantage Factors influencing the definition of a case Modalities of case studies Development Case Analysis of the situation Content organization Development of the case itself Using practical tools and theoretical Practical examples and analysis thereof Practical application development of a case Problem analysis. Definition of the situation Selecting the type of methodology Teamwork Module 3. Sources of resources Web Software tools applied in educational settings interactive simulators Several educational applications (HotPotatoes, etc.) Presentation Design Module 4. The virtual resource center Aragon 2.2. Practical classes (0.5 ECTS) Type 2 (in classroom and small group) Study and development of examples of management models related to the production environment of industrial processes developed in previous modules. 2.3. Individual work. (2 ECTS) 2.4. Active guidance and mentoring for the presentation of the work. (0.5 ECTS)

#### **5.4.Course planning and calendar**

#### **5.5.Bibliography and recommended resources**