

## 66236 - Internships 1

### Syllabus Information

**Academic Year:** 2020/21

**Subject:** 66236 - Internships 1

**Faculty / School:** 110 - Escuela de Ingeniería y Arquitectura

**Degree:** 531 - Master's in Chemical Engineering

**ECTS:** 6.0

**Year:** 1

**Semester:** First semester

**Subject Type:** Optional

**Module:** ---

### 1.General information

#### 1.1.Aims of the course

#### 1.2.Context and importance of this course in the degree

#### 1.3.Recommendations to take this course

### 2.Learning goals

#### 2.1.Competences

#### 2.2.Learning goals

#### 2.3.Importance of learning goals

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

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

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

#### 4.1.Methodological overview

The methodology followed in this course is oriented towards achievement of the learning objectives. It is based on an active methodology in which the students participate in the activities of the internship entity. In this way, the student assumes an active role in his/her training through personal research, direct contact with reality, and experiences as part of a work group. All of this encourages:

- A strong motivation for the student
- A gradual increase in confronting difficulty
- A connection between theoretical abstraction and practical reality
- Self-detection of errors
- Personal student autonomy
- Acquisition of abilities and skills for information search and for research

#### 4.2.Learning tasks

The course includes the following learning tasks:

- Activities carried out during the internship itself (during working time, adapted to the circumstances of the collaborating entity and of the student) and autonomous work of the student for the elaboration of an intermediate report, a final report and a presentation (145 hours).
- Personalized tutoring sessions with the academic supervisor and follow-up by the internship tutor (4 hours).

- Assessment (1 hour).

### 4.3.Syllabus

The student can choose between the following contents:

- Internships in industry: development of the tasks of a chemical engineer in an industry.
- Guided laboratory internships: development of the duties of a researcher in a chemical engineering laboratory.

The schedule for the internship shall be established in consensus between the collaborating entity and the academic supervisor. It shall be detailed in the Formative Project.

In accordance with current regulation, the internship shall be assessed as 25 hours per academic credit.

The recognition of ECTS of this optional course will be limited to a maximum of 12 ECTS and may be done with different courses of 6 ECTS. the internship courses offered for enrolment and evaluation as part of this degree are:

#### **Code - Name - Workload (duration)**

- 66236 - Prácticas Externas 1 - 6 ECTS credits (150 hours)
- 66237 - Prácticas Externas 2 - 6 ECTS credits (150 hours)
- 66238 - Prácticas Externas 3 - 12 ECTS credits (300 hours)

### 4.4.Course planning and calendar

Optional internship courses corresponding to this Master's program can total a maximum of 12 ECTS (300 hours).

The distribution of the workload shall be agreed between the collaborating entity and the student. As a guideline, it should consider the following activities:

- On-site work in the collaborating entity where the internship is carried out,
- Personalized student-academic supervisor tutoring sessions,
- Evaluation tests, presentation and defense of the report,
- Autonomous work by the student for the elaboration of an intermediate report, a final report and a presentation.

### 4.5.Bibliography and recommended resources