

## PLANTILLA MODELO ARTE Y HUMANIDADES

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

#### 4.1. Methodology

The methodology followed in this course is oriented towards the achievement of the learning objectives. It is based on active methodologies that favor the development of critical thinking. A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions, autonomous work and assessment tasks.

Students are expected to participate actively in the class throughout the semester.

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials, including a discussion forum.

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

#### 4.2. Learning tasks

This is a 6 ECTS course organized as follows:

- **Lectures** (2 ECTS: 20 hours).
- **Practice sessions** (2 ECTS: 20 hours). Students are expected to use ICTs for their assignments and create documents individually and collaboratively.
- **Autonomous work** (1.5 ECTS: 15 hours).
- **Assessment tasks** (0.5 ECTS: 5 hours). A set of written and oral assignments and exams.

#### 4.3. Syllabus

The course will address the following topics:

Topic 1. Arts in the university

Topic 2. Humanities in the university

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#### 4.4. Course planning and important dates

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the "Facultad de Filosofía y Letras" website and Moodle (<http://fyl.unizar.es>, <https://moodle2.unizar.es> ).

## PLANTILLA MODELO CIENCIAS

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

#### 4.1. Methodology

The methodology followed in this course is oriented towards the achievement of the learning objectives. It favors the understanding of the different chemical processes that occur in the environment. A wide range of teaching and learning tasks are implemented, such as theory sessions, laboratory sessions and assignments.

Students are expected to participate actively in the class throughout the semester.

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials, including a discussion forum.

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

#### 4.2. Learning tasks

This is a 6 ECTS course organized as follows:

- **Lectures** (2 ECTS: 20 hours). Lecture notes and a set of problems (and their corresponding solutions) will be available for the students. At the end of each topic, some of the problems will be solved in class by the teacher and the rest will be done individually. The lecturer will also assign, from those unsolved problems, -2 problems to groups of 4-5 students, which they will submit to the teacher.
- **Laboratory sessions** (2 ECTS: 20 hours). Two-hour sessions that take place approximately every 2 weeks in room 4 (Building X). Students are provided in advance with task guidelines for each session.
- **Assignments** (0.5 ECTS: 10 hours). In small groups or in pairs students work on lab reports and different assignments during the course.
- **Autonomous work** (1.5 ECTS: 15 hours).

#### 4.3. Syllabus

The course will address the following topics:

##### **Section 1. Biology**

Topic 1. The body and the cells

##### **Section 2. Geology**

Topic 2. Stones and rocks

##### **Laboratory sessions**

- Session 1. ...

#### **4.4. Course planning and important dates**

##### **Provisional course planning:**

- Week 1: topic 1
- Week 2: topic 2
- Week 3: student presentations
- ...

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the "Facultad de Ciencias" website and the department website (<https://ciencias.unizar.es>, ...).

## PLANTILLA MODELO CIENCIAS DE LA SALUD

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

#### 4.1. Methodology

The methodology followed in this course is oriented towards the achievement of the learning objectives. It favors the acquisition of knowledge related to biostatistics, and health services. A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions, assignments, and autonomous work.

Students are expected to participate actively in the class throughout the semester.

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials, including a discussion forum.

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

#### 4.2. Learning tasks

This is a 6 ECTS course organized as follows:

- **Lectures** (2.5 ECTS: 20 hours). Whole group sessions of 50 minutes each one. The professor will explain the theoretical contents, which are available in advance on the virtual platform Moodle.
- **Practice sessions** (1.5 ECTS: 20 hours). Sessions where students work with case studies and problem-solving tasks.
- **Assignments** (1 ECTS: 21 hours). In small groups, students will prepare an essay (which includes bibliographical research, analysis, summary, scientific rigor, coherence of expression and citations). They will submit a written copy at the end of the course and will do an oral presentation.
- **Autonomous work** (1 ECTS: 10 hours). Time devoted to study the course contents and prepare the sessions and assignments.

#### 4.3. Syllabus

The course will address the following topics:

##### Lectures

Topic 1. Introduction to Health and Disease

Topic 2. Main concepts of modern health

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##### Practice sessions

- Session 1. ...

**4.4. Course planning and important dates**

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the "Facultad de Medicina" website and the Degree website (<http://medicina.unizar.es>, <http://moodle2.unizar.es>).

## PLANTILLA MODELO CIENCIAS SOCIALES Y JURÍDICAS

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

#### 4.1. Methodology

The methodology followed in this course is oriented towards the achievement of the learning objectives. It is based on active participation, case studies, teamwork etc. that favor the development of communicative skills and critical thinking. A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions, autonomous work, tutorials, and assessment tasks.

Students are expected to participate actively in the class throughout the semester.

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials, including a discussion forum.

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

#### 4.2. Learning tasks

This is a 6 ECTS course organized as follows:

- **Lectures** (1 ECTS: 20 hours). The teacher presents theoretical contents illustrated with relevant examples.
- **Practice sessions** (1 ECTS: 20 hours). They can include discussion and presentation of case studies, practical work outside the classroom (field work or visits), and seminars.
- **Autonomous work** (1 ECTS: 20 hours). Students do tasks such as study, readings, preparation of practice sessions and seminars, and summative assignments.
- **Tutorials** (0.5 ECTS: 5 hours). Office hours can be used to solved doubts and for follow-up of students' learning progress.
- **Assessment tasks** (0.5 ECTS: 5 hours). A final written examination.

#### 4.3. Syllabus

The course will address the following topics:

Topic 1. Education in Secondary Education

Topic 2. Spanish law

Topic 3. Economics and the society

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#### 4.4. Course planning and important dates

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the "Facultad de Derecho" website (<https://derecho.unizar.es>).

## PLANTILLA MODELO INGENIERÍA Y ARQUITECTURA

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

The methodology followed in this course is oriented towards the achievement of the learning objectives. It is based on participation and the active role of the student favors the development of communication and decision-making skills. A wide range of teaching and learning tasks are implemented, such as lectures, assignments, computer lab sessions, autonomous work, and tutorials.

Students are expected to participate actively in the class throughout the semester.

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials, including a discussion forum.

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

#### 4.2. Learning tasks

This is a 6 ECTS course organized as follows:

- **Lectures** (1 ECTS: 20 hours). Lectures run for 3 weekly hours. The teacher explains the course contents and solves representative applied problems. These problems and exercises can be found in the problem set provided at the beginning of the course. Regular attendance is highly recommended.
- **Computer lab sessions** (1 ECTS: 15 hours). Sessions will take place every 2 weeks (6 sessions in total) and they last 2.5 hours each. Students will work together in groups doing tasks such as practical demonstrations, measurements, calculations, and the use of graphical and analytical methods.
- **Assignments** (0.5 ECTS: 15 hours). Students will complete assignments, problems and exercises related to concepts seen in laboratory sessions and lectures. Assignments will be submitted at the beginning of every sessions so as to be discussed and analyzed. If they are submitted later, students will not be able to take the assessment test.
- **Autonomous work** (0.5 ECTS: 75 hours). Students are expected to spend about 75 hours to study theory, solve problems, prepare sessions, and take exams.
- **Tutorials** (3 ECTS: 30 hours). Teacher's office hours allow students to solve questions and discuss unclear course contents. It is advisable to come with clear and specific questions.

#### 4.3. Syllabus

The course will address the following topics:

##### Lectures

Topic 1. Technology

- 1.1. ICTs
- 1.2. Evolution of technology

Topic 2. Machines ...

**Computer lab sessions**

- Session 1. ...
- Session 2. ...

**4.4. Course planning and important dates**

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the EINA website (<http://eina.unizar.es>).