

Academic Year/course: 2022/23

## 68650 - Defence systems acquisition policy

### Syllabus Information

**Academic Year:** 2022/23

**Subject:** 68650 - Defence systems acquisition policy

**Faculty / School:** 179 - Centro Universitario de la Defensa - Zaragoza

**Degree:** 578 - Master's in Direction and Management of Defense Procurement Systems

**ECTS:** 9.0

**Year:** 1

**Semester:** Annual

**Subject Type:** Compulsory

**Module:**

## 1. General information

### 1.1. Aims of the course

The approaches and objectives are in line with the following Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda ( <https://www.un.org/sustainabledevelopment/es/>), in such a way that the acquisition of the course learning outcomes provides training and competence to contribute to their achievement to some degree:

- Objective 4: Quality education.
- Objective 9: Industry, innovation and infrastructure.
- Objective 12: Responsible consumption and production.
- Objective 16: Peace, justice and strong institutions.
- Objective 17: Partnerships for the Goals.

## 2. Learning goals

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

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

### 4.1. Methodological overview

Teaching shall be semi-presential combining virtual sessions and presential sessions on a monthly minimum basis. These presential sessions will focus on setting out to the students the most important ideas of each of the subjects integrating the training package.

- **NON PRESENCIAL ACTIVITIES.** All the activities will be carried out through the virtual campus, thus providing the students access to the documents containing both the evaluable subjects as well as the reference documentation required to go deeper into the subject. In addition, this kind of teaching will facilitate teacher-student interaction by means of chats and forums throughout the course.
- **PRESENCIAL-VIRTUAL ACTIVITIES.** Some of the subjects will be delivered in virtual sessions in which the teacher will connect to a videoconference platform while students will connect from their own devices, so their

presence will not be required. These classes will be performed through a multiple videoconference platform, allowing students and teachers to build a teaching community where doubts, reflections and opinions can be shared.

- PRESENTIAL ACTIVITIES. These consist of traditional type lectures in which the key issues of every subject are addressed and students can get to know first-hand the teacher behind each didactic unit. They will take place in those facilities in Madrid designated by the Ministry of Defense.

## 4.2. Learning tasks

In order to achieve the objectives, the following activities shall be carried out:

- Presential sessions: theoretical and practical activities promoting student participation.
- Virtual sessions: theoretical and practical activities carried out in a virtual manner.
- Distance teaching: activities carried out through the campus providing students with a great amount of material to work with.
- Teacher-student interaction using chats and forums developed throughout the session.

## 4.3. Syllabus

### Section 1

#### 1. Defense system procurement policies

1. Introduction to public policies
2. Armament and Materiel policy
3. R&D policicy
4. Industrial policy

#### 2. Defense innovation

1. ETID (Defense Technology and Innovation Strategy)
2. Technological prospective
3. National cooperation in R&D
4. International cooperation in R&D

#### 3. Defense Industry

1. Defense Industrial Strategy (EID)
2. Defense Market
3. Industrial cooperation mechanisms
4. Business associations and platforms

#### 4. Organization

1. Introduction to organizations
2. DGAM ?s organization
3. Programs Offices
4. Other bodies of the Public Administration (AGE) related to procurement policy.

### Section 2

#### 5. Defense planning cycle

1. Militaryplanning
2. Resource planning
3. Process harmonization

#### 6. Resources planning and programming process

1. Armament and materiel requirements
2. Objectives of materiel resources
3. Resources programming
4. Long term planning
5. Director Plan and sectorial director plans
6. Coordination mechanisms

#### 7. Resourcing process

1. Conceptualphase
2. Definition and decision phase

3. Execution Phase
4. Service Phase

### Section 3

8. Defense Systems Support
  1. Rationalization of support
  2. Logistic support concept
9. Information security in the resourcing process
10. Quality in the resourcing process
  1. Quality assurance in Defense procurement programs
  2. Quality planning in Defense procurement programs
11. Technical services in the resourcing process
  1. Homologation
  2. Standardization
  3. Cataloging
  4. REACH exemptions
12. Armament and explosives regulations
13. Specific rules applicable to obtaining air systems.
  1. Aeronavegability
  2. EMAR regulations

#### **4.4. Course planning and calendar**

This is a 9 ETCS course, totaling 225 hours, of which 90 hours are dedicated to the subjects taught by the teachers and 135 hours is the time dedicated to the additional work carried out by the students. Each section represents one third of the teaching load of the course.

There will be 4 presential sessions consisting of 18 hours of lectures and two hours of virtual classes. The rest of the activities up to 90 hours shall be carried out as distance classes.

Teaching shall be semi-presential, combining virtual teaching sessions and presential sessions at least once a month. These presential sessions will be dedicated to assessment tasks and to those thematic blocks in which the students' presence, due to their content, helps to increase the comprehension of the subject.

In the event that the health situation and evolution prevents the holding of face-to-face sessions, they will be carried out remote

#### **4.5. Bibliography and recommended resources**

##### **Bibliography**

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=68650>