

## Information Skills

Academic Year: ( 2024 / 2025 )

Review date: 24-01-2025

Department assigned to the subject: Library and Information Sciences Department

Coordinating teacher: PERIANES RODRIGUEZ, ANTONIO

Type: Compulsory ECTS Credits : 1.5

Year : 3 Semester : 2

## REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

None.

## SKILLS AND LEARNING OUTCOMES

RA1.4 Awareness of the wider multidisciplinary context of engineering.

RA2.1 The ability to apply their knowledge and understanding to identify, formulate and solve engineering problems using established methods.

RA3.2 An understanding of design methodologies, and an ability to use them.

RA4.1 The ability to conduct searches of literature, and to use data bases and other sources of information.

RA5.1 The ability to select and use appropriate equipment, tools and methods.

RA6.1 Function effectively as an individual and as a member of a team.

RA6.2 Use diverse methods to communicate effectively with the engineering community and with society at large.

RA6.5 Recognise the need for, and have the ability to engage in independent, life-long learning.

CB2 Students are able to apply their knowledge to their work or vocation in a professional manner and possess the competences usually demonstrated through the development and defence of arguments and problem solving within their field of study.

CB3 Students have the ability to gather and interpret relevant data (usually within their field of study) in order to make judgements which include reflection on relevant social, scientific or ethical issues.

CB5 Students will have developed the learning skills necessary to undertake further study with a high degree of autonomy.

CT3 Ability to organize and plan work, making appropriate decisions based on available information, gathering and interpreting relevant data to make sound judgement within the study area.

CT4 Motivation and ability to commit to lifelong autonomous learning to enable graduates to adapt to any new situation.

## OBJECTIVES

At the end of the course students will:

1. Understand the need to locate and use reliable sources and the importance of research based on digital information resources.
2. Know the main sources of information, both general and specialised in their discipline, identifying and selecting the most appropriate for each task.
3. Identify information needs and develop effective strategies to locate the appropriate sources.
4. Determine the reliability and quality of information and sources.
5. Retrieve information using accurate and effective searches.
6. Take into consideration the ethical use of information and avoid plagiarism applying academic and deontological regulations and conventions.

## DESCRIPTION OF CONTENTS: PROGRAMME

## UNIT 1. RETRIEVAL AND ORGANIZATION OF INFORMATION

- Principles and strategies for efficient information retrieval in the digital environment.

- Knowledge and use of the main gateways and collections of general and specialized digital information sources.
- Tools for the organization of information and management of references.

## UNIT 2. ETHICAL USE OF INFORMATION

- Ethical use of information and intellectual property regulations.
- Avoiding plagiarism in scientific and academic works.
- Create and manage in-text citations and references in academic works.
- Organise references in academic papers and assignments.
- Similarity detection services to prevent plagiarism.

## LEARNING ACTIVITIES AND METHODOLOGY

Teaching is online (synchronous). THE LAST THREE CLASSES ARE FACE-TO-FACE in Leganés

Acquisition of knowledge through theoretical classes with teaching materials prepared by the teacher, online tutorials and readings. Related to theoretical competences.

Acquisition of skills and abilities through practical cases of information search, analysis and evaluation of sources, and presentation and citation of results. Related to practical competences.

Days and times of tutorials will be available in Aula Global.

## ASSESSMENT SYSTEM

<b>% end-of-term-examination:</b>	0
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	100

For the evaluation of this subject, a continuous assessment process based on:

- FORMATIVE ASSESSMENT, based on practical assignments and self-evaluation exercises to measure the degree of acquisition of theoretical knowledge: 70%.
- FINAL EXAM held on the last day of class, in the usual classroom and timetable: 30%.

Students that fail the subject may pass it if they have participated in at least 30% of the scheduled learning activities. To do so, they will carry out the following compulsory activities:

- Multiple choice test: to verify the acquisition of theoretical knowledge. This test will take place the day before the start of the extraordinary exams. The teacher will communicate the time and classroom in Aula Global (50%).
- Practical work proposed by the teacher. Deadline for work delivery is the day of the multiple choice test (50% of the mark).

If the student satisfactorily completes the supplementary assessment, the record would be updated accordingly.

If the student passes the subject, the student record will be modified.

**IMPORTANT NOTICE:** Plagiarism is completely forbidden. If detected, no credit for the activity will be given.

## BASIC BIBLIOGRAPHY

- Bobish, Greg y Jacobson, Trudi (ed.), 2014 The Information Literacy User's Guide: An Open, Online Textbook , Geneseo, NY: State University of New York at Geneseo, Disponible en: <http://textbooks.opensuny.org/the-information-literacy-users-guide-an-open-online-textbook/>

- Pacios Lozano, Ana R. (coord.), 2013 Técnicas de búsqueda y uso de la información, Madrid: Editorial Universitaria Ramón Areces.