

Projects

Analysis and Synthesis of Scientific Documents

IDENTIFICATION

CODE : TC-3-S2-EC-ASDS
ECTS : 1.0

HOURS

Lectures : 2.0 h
Seminars : 10.0 h
Laboratory : 0.0 h
Project : 6.0 h
Teacher-student
contact : 18.0 h
Personal work : 5.0 h
Total : 23.0 h

ASSESSMENT METHOD

Bibliographical study
Oral presentation

TEACHING AIDS

TEACHING LANGUAGE

French

CONTACT

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AIMS

Ability to do a state of the art on a recent scientific subject.
Ability to present a scientific result in written, oral and poster form.

This EC is part of the teaching unit Research and Engineering Project (TC-3-S2-PR1) and contributes to the following skills:

B2 Work, learn, evolve autonomously
Capacity: To know how to find relevant and reliable documents in relation to a problem
Capacity: Analyze the structure and content of different scientific documents
Capacity: To know how to situate a result in a state of the art
Capacity: Conduct a bibliographic study on a recent research topic
Knowledge: Know different types of scientific documents, know how they are developed and be able to assess their reliability
Knowledge: Know the structure of the different scientific documents
Knowledge: Knowing where and how to search for a relevant document on a given topic
Knowledge: Knowing rules for presenting scientific results

B1 To know oneself, to manage oneself physically and mentally
Capacity: Present scientific results in writing, orally and in poster form

In addition, it requires the following skills:

A4 Design a system that meets a set of specifications
A1 Analyze a real or virtual system (or problem)
A3 Implement an experimental approach

CONTENT

- Presentation of the characteristics of the various scientific documents
- Methodology of reading a research article
- Methodology of research of articles to realize a state of the art
- Presentation of the rules and methods of communication
- Critical analysis of an oral presentation
- Critical analysis of posters
- Use on a recent topic: the subject under study is the subject of the PIR project.

PRE-REQUISITE

This course is a component of the PIR [Research Initiation Project] project.