

Project for research introduction



ECTS
5 credits



Component
INSTITUT
NATIONAL
DES SCIENCES
APPLIQUEES
TOULOUSE



Number of
hours
12h

In brief

> **Teaching language(s):** Français, Anglais

- HR (assign tasks to people with skills, communication, team management)

- risk analysis, cost estimation.

Presentation

Organization:

Conferences. Lectures and tutorials on literature survey.

Description

Program:

- the national research structures
- the principles of patent right
- how to perform a relevant literature review on a subject
- identification of a problem and scientific approach to solve it
- participation to a current research project in a laboratory
- health and safety rules in a research laboratory

Project management: definition and organization

- content (clearly define the limits and tasks)
- deadlines (with prioritization of tasks, Gantt chart)

Supervised research project performed in group of 3 students on current projects of the laboratory, by using the project management approach. Presentation of the project results in a poster session.

Objectives

At the end of this module, the student will have understood and be able to explain (main concepts):

- the approach and tools for a good literature and patent survey
- how to develop a scientific work
- the health and safety rules in a research laboratory
- the basic methods for project management
- the organisation of the public research in France

- principles of patent right

The student will be able to:

- to delimit and deepen a scientific research project
- to draw an up-to-date inventory of knowledge on this topic and to identify the international leading research teams
- to propose and to experimentally perform a scientific approach to address a problem based upon the previous literature survey with respect to health and safety rules
- to share and communicate the results with a common scientific formalism (paper, poster)
- to perform a project management approach

Pre-requisites

Literature survey basic knowledge.

Project management.

Scientific knowledge in relation to the research project.

Useful info

Place

- > Toulouse