

# Initiation to research



ECTS  
3 credits



Component  
INSTITUT  
NATIONAL  
DES SCIENCES  
APPLIQUEES  
TOULOUSE



Number of  
hours  
45h

## Presentation

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### Description

Program (detailed contents):

- How to publish a scientific paper
- How to achieve a scientific littérature review
- Fundamentals of a given scientific field
- Modelling and / or testing
- Summarizing the research project by the mean of a scientific paper and a speech
- 3 subjects are proposed each year, the student have to pick one.

Organisation:

This teaching proceeds with a single research project which includes :

- A short presentation of scientific journals and Zotero

- A lecture used to introduce the research context and the main equations
- The research project, organized by groups of 4 students
- A speech

The scientific report will be written in English during the project. English courses are tailored to help the student with this.

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### Objectives

At the end of this course, the student will be able to explain :

- How the research results are disseminated / shared within the scientific community ;
- What are the main expectations of a scientific report ;
- The fundamentals of a specific scientific field (note that the topic is different every year).

The student will be able to :

- Search for a relevant scientific study in a database ;

- Use a numerical software to quote published scientific work.
- Summarize the main informations obtained during the research project by using the standards of a given scientific journal ;
- Make the information accessible to a lay audience.

## Useful info

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### Contacts

#### Education manager

MATTHIEU LABAT

☎ +33.(0)683974718

✉ m\_labat@insa-toulouse.fr

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### Place

➤ Toulouse