

Research Project

Objectives: The aim of the course is to give the students an opportunity to perform a research project in a lab within the field of solid or/and fluid mechanics solid under supervision according to an individual study plan, to summarize the results in a research report and present the results of the project.

Modalities:

- **First semester:** During the first semester, **you have to establish your research program**. In other words, you have to prepare a short reports (12 pages typically) including the following items:
 1. Context, social and scientific issues
 2. State of the art
 3. Objectives of the project
 4. Scientific program
 - Task description (Methods and tools)
 - Outcomes
 - Risk and solutions
 5. Tasks schedule, deliverables ...
 - Planning, including the main meetings with your supervisors
 - Deliverables
 - a) References
- **Second semester:** During the second semester, **you have to perform your research program**. At the end of your project, your first report must be completed by including the following items typically:
 6. Task 1: ...
 - Description
 - Results
 - Discussion
 7. Task 2: ...
 - Description
 - Results
 - Discussion
 8. Conclusion
 9. Perspectives

The total length of your report should not exceed 40 pages without the appendixes.

Important dates :

- Deadline for the first report (research program) : 6 january 2017
- Oral Presentation of your research program: 11 january 2017 at 13h30 – (10' of presentation + 10' of questions) >>> two marks: one for the report, one for the presentation
- Deadline for the second and final report: 14 May 2017
- Oral Presentation of your research project: 22 May 2017 at 8:30 – (25' of presentation + 20' of questions) >>> two marks: one for the report, one for the presentation

You must

- send your report in PDF to Christian Geindreau and your supervisors,
- bring one hard copy to each of them.