

## 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.

### First semester

- During the first semester, **you have to establish “your research program”**. In other words, you have to prepare a short report (10 to 12 pages typically – see the template) including
  1. The 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
    - Planning of the main tasks, meetings with your supervisors
    - Deliverables
  6. References
- **Important dates:**
  - Deadline for the first report (research program): 19th January 2021
    - You must send the report to
  - Oral Presentation of your research program: 26th January 2021 – (10' of presentation + 5' to 10' of questions)
  - >>> two marks: one for the report, one for the presentation

### 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 main results, a discussion and a conclusion. The total length of your report should not exceed 40 pages without the appendixes.
- **Important dates:**
  - Deadline for the final report: 20th May 2021
  - Oral Presentation of your research project: 25<sup>th</sup> May 2021 – (25' of presentation + 20' of questions)
  - >>> two marks: one for the report, one for the presentation

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You must

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