

Cursus Sem. Type   Materials Science and Engineering PME, PMH Obl.	duade of	
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# Summary

The student carries out an academic or industrial research project. He/she has to display the knowledge and capability required for independent work in the field of Materials Science & Engineering.

## Content

The Master thesis is a personal and original work covering theoretical and practical aspects of materials science using the knowledge of the student acquired during his/her studies and enable him/her to develop deeper knowledge, understanding, capabilities and attitudes in the field of materials science. This project is made under the supervision of a professor of the section of Materials Science and Engineering.

# **Learning Outcomes**

By the end of the course, the student must be able to:

- Formulate and deal with complex issues critically, indepently and creatively by applying a holistic view
- Plan and use adequate methods to conduct qualified tasks in given framwork
- Manage an individual research project
- · Apply the comptences to a specific subject
- · Present data coherently and effectively
- Develop expertise in a specific area of research
- Assess / Evaluate the results critically
- Compose the project in written form in a scientific report
- Expound the project in oral form for a scientific audience

# **Transversal skills**

- Set objectives and design an action plan to reach those objectives.
- Use a work methodology appropriate to the task.
- Communicate effectively, being understood, including across different languages and cultures.
- Assess progress against the plan, and adapt the plan as appropriate.
- Give feedback (critique) in an appropriate fashion.
- Take feedback (critique) and respond in an appropriate manner.
- Collect data.
- Access and evaluate appropriate sources of information.

# **Teaching methods**



The student will have to write a report which will be evaluated by a jury. An oral defense will take place after submitting the report.