QUANT-401 **Project in quantum science I**

Profs divers *

Cursus	Sem.	Type
Quantum Science and Engineering	MA1, MA2, MA3, MA4	Obl.

Language of teaching	English
Credits	8
Withdrawal	Unauthorized
Session	Winter, Summer
Semester	Fall
Exam	During the semester
Workload	240h
Weeks	14
Hours	**8 weekly**
Project	8 weekly
Number of positions	

It is not allowed to withdraw from this subject after the registration deadline.

Remark

The project can be done in MA1, MA2 or MA3

Summary

The student applies the acquired skills to an academic project.

Content

Students are required to realize an engineering project integrating several aspects of Quantum Science and Engineering in a broad sense. This project will allow them to apply their technical and transversal skills acquired during their studies.
The list of labs where students can search for a project is available on the web site of SIQ.
This project could be carried out in groups of 2 or 3 students (upon approval of the supervisor)

Learning Outcomes

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

- Manage a research project
- Apply the competences to a specific subject
- Assess / Evaluate the results critically
- Compose the project in written form in a scientific report
- Develop expertise in a specific area of research
- Represent data in a consistent and efficient way

Transversal skills

- Access and evaluate appropriate sources of information.
- Collect data.
- Write a literature review which assesses the state of the art.
- Write a scientific or technical report.
- Communicate effectively, being understood, including across different languages and cultures.

Assessment methods

Autumn : The written report must be returned to the laboratory no later than **the Friday of the second week** after the end of classes.
Spring : The written report must be returned to the laboratory no later than **the Friday of the first week** after the end of classes.