

QUANT-401 Project in quantum science I

Profs divers *

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

Language of **English** teaching Credits Withdrawal Unauthorized Winter, Session Summer Fall Semester During the Exam semester 240h Workload Weeks 14 Hours 8 weekly 8 weekly Project Number of positions Il n'est pas autorisé de se

retirer de cette matière après le délai d'inscription.

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.