

QUANT-599

**Master project in quantum science and engineering**

Profs divers \*

Cursus	Sem.	Type
Quantum Science and Engineering	PME, PMH	Obl.

Language of teaching	English
Credits	30
Withdrawal Session	Unauthorized Winter, Summer
Semester Exam	Spring Oral
Workload Weeks	900h
Project	900 weekly

**Number of positions**

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

**Summary**

Students apply the scientific and technical knowledge they have acquired during their studies to a research case study in an independent way

**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

**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**

Written report and oral presentation

**Resources**

**Websites**

- <https://www.epfl.ch/schools/sections/quantum-science-and-engineering/master-project/>

**Moodle Link**

- <https://go.epfl.ch/QUANT-599>