QUANT-403 **Optional project in quantum science and enginerring**

Profs divers *

| Cursus | Sem. | Type |
|---|---|---|
| Minor in Quantum Science and Engineering | E, H | Opt. |

| | |
|---|---|
| Language of teaching | English |
| Credits | 6 |
| Withdrawal | Unauthorized |
| Session | Winter, Summer |
| Semester | Fall |
| Exam | During the semester |
| Workload | 180h |
| Weeks | 14 |
| **Hours** | **6 weekly** |
| Project | 6 weekly |
| **Number of positions** | |

**Il n'est pas autorisé de se retirer de cette matière après le délai d'inscription.**

## 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.

## 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.

## Resources

### Moodle Link

- https://go.epfl.ch/QUANT-403