

MICRO-488

Project in photonics

Profs divers *

Cursus	Sem.	Type
Photonics minor	E, H	Obl.

Language of teaching	English
Credits	10
Session	Winter, Summer
Semester	Fall
Exam	During the semester
Workload	300h
Weeks	14
Hours	10 weekly
Project	10 weekly
Number of positions	

Summary

The student applies the skills acquired in an academic or industrial research project in the domain of optics and photonics.

Content

Students are confronted with the realization of an engineering project integrating several aspects of optics and photonics based on microtechnology. This project allows them to put into practice, on concrete problems, their knowledge in optics and photonics and transversal skills acquired during their studies.

Learning Outcomes

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

- Develop an individual research project
- Apply skills to a specific subject
- Design a research project
- Assess / Evaluate the results
- Compose a written scientific report of a project
- Present a project orally for a scientific audience
- Develop expertise in a specific research area
- Represent data in a consistent and effective manner

Assessment methods

Continuous monitoring

Resources**Websites**

- <https://sti.epfl.ch/fr/recherche/instituts/iem/lignes-directrices-du-projet-semester/>