

PH1910 Physics Laboratory

Professor: Gloria Foulet

Language of instruction: French or English – **Number of hours:** 30 – **ECTS:** 2

Prerequisites: None

Period: S5 November to December IN15DXP, FEP5DXP
 S6 between February and June IN16DXP, SEP6DXP

Course Objectives

To encourage students to develop their sense of observation and innovation and their critical capacities. The work guides the students more towards the acquisition of structured scientific procedures rather than towards any particular technique. Consequently emphasis lies on the acquisition of sound working practices rather than on the results obtained. The work is carried out by small groups of students under supervision in research laboratories. The topics researched are taken from a wide range of engineering fields.

Course Contents

Some subjects:

- ◇ Holography
- ◇ Echography
- ◇ Optical Coherent Tomography
- ◇ Fabrication and characterization of thin layers

Course Organization

Labwork: 29 hr, oral defense: 3 hr

Evaluation

Grading is based on the quality of labwork (coefficient 2), written report (coefficient 1), oral defense (coefficient 1), and participation (coefficient 1)