

GS_Soft-Nano_UE_Research Methodologies



Level
Baccalaureate
+4



ECTS
6 credits



Component
UFR PhITEM
(physique,
ingénierie, terre,
environnement,
mécanique)



Semester
Automne

- > **Teaching language(s):** English
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** PAX7NFAG

Presentation

Description

This course is open and mandatory only for students taking part to the Thematic Program (PT) Soft Nano (Graduate School).

Students undertake a research project in soft nanosciences, starting by an appropriation phase. The goal of the course is to learn how to plan, set-up, and write, a research proposal.

Content

Students spend 1+1/2 day per week in their research team. In addition the group meets on a weekly basis, and works on the following topics:

- reading and synthesizing the scientific literature
- understanding the novelty of the approach to be developed
- defining the research objectives
- defining the new tools /techniques/ know-how needed for the project, starting to acquire them
- elaborating a tentative schedule for implementation of the 2-year research work, with milestones

Students take turns in presenting their progress to the promotion.

In addition to this continuous activity, they are evaluated at the end of the term through:

- the submission of a research proposal (about 15 pages, including a state-of-the-art, novelty and objectives of approach, new instrumentation/ elaboration/ numerics/ methodology to be developed, expected outcomes, scheme and schedule of implementation)
- an oral public presentation and defense of their proposal, in presence of all the promotion and of a unique pluridisciplinary jury for all students.

Period : Semester 7

Useful info

Campus

- › Grenoble - University campus
- › Grenoble - Saint-Martin d'Hères