

UE Research Methodology



Niveau d'étude
Bac +4



ECTS
6 crédits



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



Période de
l'année
Toute l'année

- > **Langue(s) d'enseignement:** Anglais
- > **Ouvert aux étudiants en échange:** Non
- > **Code d'export Apogée:** PAX7NFAG

Présentation

Description

Cette UE ouverte uniquement aux étudiants du programme PT Soft Nano (Graduate School). Elle est obligatoire pour ces étudiants.

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.

Objectifs

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.

Période : Semestre 7

Infos pratiques

Lieu(x) ville

> Grenoble

Campus

> Grenoble - Domaine universitaire