UE Research Methodology

Niveau d'étude
Bac +4

ECTS
6 crédits

Composante
UFR Physique, Ingénierie, Terre, Environnement, Mécanique (PhITEM)

Période de l'année
Toute l'année

Diplômes intégrant cet élément

- Master Nanosciences et nanotechnologies

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:

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- reading and synthetizing 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 continous 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

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