



Internship research



Niveau d'étude
BAC +4



ECTS
10 crédits



Composante
Faculté des
Sciences

En bref

- › **Date de début des cours:** 1 sept. 2021
- › **Langue(s) d'enseignement:** Anglais
- › **Méthode d'enseignement:** En présence
- › **Organisation de l'enseignement:** Formation initiale
- › **Ouvert aux étudiants en échange:** Non

-use of classical synthesis methods in solid state chemistry : solid state reaction, sol-gel method ..

-characterization by traditional methods used in Materials Science: X-ray diffraction, electron diffraction thermogravimetric analysis, UV-visible and IR spectroscopy, Imaging techniques, Conduction measurements...

Contrôle des connaissances

The final grade will be the average between internship tutor's grade, presentation grade and internship report grade.

Présentation

Description

This module is devoted to an internship of 3 months minimum in a research laboratory or industry.

Objectifs

getting familiar with the conduction of a research/R&D project

- Synthesis and physico-chemical characterization of materials
- Developing skills in research work using the initiative, the autonomy and the student's curiosity
- literature survey

Syllabus

This module is devoted to an internship of 3 months minimum in a research laboratory or industry.

- Choice of the internship topic
- Getting organized and conduct a research project in an operating research group
- Literature analysis and summarizing the state of the art of the research topic
- Needs analysis and definition of the research project
- Laboratory work: synthesis/characterization of materials
- Scheduling and exercising the necessary tasks for the research project



- Documentation (written internship report) and presentation (oral PowerPoint presentation)

Informations complémentaires

Contact(s) administratif(s) : Secrétariat Master Chimie [✉](#)
master-chimie@umontpellier.fr

Infos pratiques

Contacts

Responsable pédagogique

Angelique LEBRANCHU

✉ angelique.lebranchu@umontpellier.fr

Responsable pédagogique

Werner PAULUS

✉ werner.paulus@umontpellier.fr

Lieu(x)

➤ Montpellier - Triolet