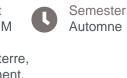


## **UE Nano-safety**





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



> Teaching language(s): English

> Open to exchange students: Yes

> Code d'export Apogée: PAX9NCAG

### Presentation

#### Description

Nanotechnologies give access to new and interesting properties of materials. Applications or potential applications of nanomaterials are today very numerous in research, industrial processes but also everyday life. As a consequence, impact on health and safety of those new substances becomes important. Indeed, assessment on life cycle analysis is a key element of development. This course presents the current knowledge and research regarding the potential risks associated to the development of nanotechnologies, organized around 3 axes:

- · Toxicology and ecotoxicology current knowledge, thanks to presentation of latest scientific studies on the subject,
- occupationnal potential risks: how to manage an emerging risk? what's mandatory? what kind of metrology can we use? what are the best practices in order to prevent impact on health and environment?
- social perception of nanotechnologies over the world and over different cultures.

#### Course parts

UE Nano-safety - CM Lectures (CM) 19,5h

UE Nano-safety - TP Practical work (TP) 4h

Period: Semester 9





# Useful info

Place

> Grenoble

## Campus

> Grenoble - University campus

