

# UE Fundamentals of structural biology



Level  
Baccalaureate  
+5



ECTS  
3 credits



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



Semester  
Automne

- > **Teaching language(s):** English
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** PAX9NBAD

## Presentation

### Description

Introduction to structural biology, Introduction to different electron microscopy (EM) techniques to study cells (TEM/SEM) and sample preparation, X-ray scattering by macromolecules, Macromolecular crystallography, Nuclear Magnetic Resonance principles and key steps for structure determination of biomacromolecules

### Course parts

UE Fundamentals of structural biology - CM	Lectures (CM)	11h
UE Fundamentals of structural biology - TD	Tutorials (TD)	11h

### Recommended prerequisites

Physics of biological Systems

**Period :** Semester 9



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## Skills

Structural and Dynamical Biology

## Useful info

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### Place

› Grenoble

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### Campus

› Grenoble - Scientific Polygon