

UE Biochemistry 2 : Enzymology and metabolism - BIO439 -



ECTS
6 crédits



Composante
Département
de la licence
sciences et
technologies
(DLST)



Période de
l'année
Printemps (janv.
à avril/mai)

Diplômes intégrant cet élément

- Licence Chimie

- **Langue(s) d'enseignement:** Anglais
- **Ouvert aux étudiants en échange:** Non
- **Code d'export Apogée:** YAX4BI99

Présentation

Description

This course aims at acquiring the basics of enzymology (catalysis, Michaelis-Menten equation, catalysis mechanisms) and metabolism (glycolysis, Krebs cycle, bacterial metabolism). The tutorial sessions consist of application exercises of the concepts seen in class and the preparation of lab sessions. The goal of practical sessions is to learn the manipulation and characterization of enzymes (purification, spectroscopy).

Heures d'enseignement

CM	CM	19,5h
TD	TD	19,5h
TP	TP	12h

Pré-requis recommandés

Biomolecular constituents of the cell (BIO131)

Chemical thermodynamics and kinetics for biologists (CHI335) or physical-chemists and biochemists (CHI331)

Période : Semestre 4

Compétences visées

- Demonstrate the ability to synthesise knowledge acquired during the course
- Demonstrate the ability to use knowledge to solve problems.
- Demonstrate the ability to use constructed reasoning, not just the restitution of knowledge
- Demonstrate the ability to manipulate
- Learn to write reports on practical work and the care taken in their presentation.

Infos pratiques

Contacts

Responsable pédagogique

Jean-Marie Bourhis

✉ jean-marie.bourhis@ibs.fr

Responsable pédagogique

Alexandre Dawid

✉ alexandre.dawid@univ-grenoble-alpes.fr

Gestionnaire de scolarité

Estelle Tardy

✉ Estelle.Tardy@univ-grenoble-alpes.fr

Lieu(x) ville

➤ Grenoble

Campus

➤ Grenoble - Domaine universitaire