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 Sciences de la vie
- 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, Krebbs 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

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Lieu(x) ville

Grenoble

Campus

Grenoble - Domaine universitaire