


# 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)

- > **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 TD sessions consist of application exercises of the notions seen in class and the preparation of the TP sessions. The practical sessions concern the learning of the manipulation and characterization of enzymes (purification, spectroscopy).

### Heures d'enseignement

UE Biochemistry 2 - CM	CM	19,5h
UE Biochemistry 2 - TD	TD	19,5h
UE Biochemistry 2 - TP	TP	12h

### Pré-requis recommandés

Biomolecular constituents of the cell (see BIO131)

Thermodynamics and Chemical Kinetics for biologists (see CHI335)

**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](mailto:jean-marie.bourhis@ibs.fr)

Responsable pédagogique

**Alexandre Dawid**

✉ [alexandre.dawid@univ-grenoble-alpes.fr](mailto:alexandre.dawid@univ-grenoble-alpes.fr)

Gestionnaire de scolarité

**Estelle Tardy**

✉ [Estelle.Tardy@univ-grenoble-alpes.fr](mailto:Estelle.Tardy@univ-grenoble-alpes.fr)

---

### Lieu(x) ville

› Grenoble

---

### Campus

› Grenoble - Domaine universitaire