

# UE Drug action and Drug Design

 ECTS  
6 crédits

 Composante  
UFR Chimie-  
Biologie

 Période de  
l'année  
Toute l'année

- > **Langue(s) d'enseignement:** Anglais
- > **Ouvert aux étudiants en échange:** Oui
- > **Code d'export Apogée:** YAX8BI23

## Présentation

### Description

The course will aim at giving, through examples of existing drugs, an overview of the strategies used for drug development, from the identification of a molecular target to the marketing of an active product. The course will include presentations about enzyme catalysis and enzyme kinetics with particular emphasis on inhibition, on the problems faced when developing a drug and on computational approaches used in this field. The course will include sessions of computer analysis of enzyme kinetic data and of tutorials of molecular modeling.

### Heures d'enseignement

UE Drug action and Drug Design - CM	CM	22,5h
UE Drug action and Drug Design - TP	TP	9h
UE Drug action and Drug Design - TD	TD	15h

### Pré-requis recommandés

Biochemistry (L3) (keywords: structure of the macromolecules, protein function, enzymology)

**Période :** Semestre 8

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## Compétences visées

Understanding the theoretical and experimental concepts of enzyme catalysis and enzyme kinetics, acquiring initial bases in computational methods for drug design and drug screening.

## Infos pratiques

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### Contacts

Responsable pédagogique

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### Lieu(x) ville

› Grenoble

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### Campus

› Grenoble - Domaine universitaire