



CHIM2382 Enzymology and biotechnology I

[22.5h] 2.5 credits

This course is taught in the 1st semester

Teacher(s): Robert Crichton, Jacques Fastrez
Language: French
Level: Second cycle

Aims

The first part of the course covers the basics, diverse fundamental aspects of enzymology: the principles are illustrated by concrete examples.

Main themes

First Part: 1. Weak interactions and structures: a. the nature of weak interactions and their importance in enzyme structure and molecular recognition b. the structure of proteins: primary, secondary and tertiary structure c. methods of structure determination. 2. Enzyme catalysis: a. enzyme kinetics b. the principles of enzyme catalysis (nature, bases, approximation and orientation, distortion, acid-base catalysis, covalent catalysis) c. examples of enzyme catalysis.

Other credits in programs

BIOL22/A	Deuxième licence en sciences biologiques (Biologie moléculaire, cellulaire et humaine)	(2.5 credits)
CHIM21	Première licence en sciences chimiques	
CHIM22	Deuxième licence en sciences chimiques	