

University of Montpellier
Sample Biochemistry Courses
2017

HLBI 621 Structural Biochemistry – 4 credits (49.5 contact hours)

DESCRIPTION

19.5h of lecture course « Cours Magistral » CM
30h of smaller lecture / discussion course « Travaux Dirigés » TD

The main objectives of this course are: exploring the structural and functional organization of proteins, understanding the mechanisms behind bio-molecular interactions, studying the connection between structure and function in proteins, three-dimensional analysis of proteins (the use of software for 3D visualization of bio-molecules), and mastering the approaches to the interface of the different disciplines of chemistry and biochemistry

GRADING BASE

Final exam	70%
Work over the course of the semester	30%

HLCH613 Bioorganic Chemistry – 4 credits (49.5 contact hours)

DESCRIPTION

30h of lecture course « Cours Magistral » CM
19.5h of smaller lecture / discussion course « Travaux Dirigés » TD

GRADING BASE

Final exam	100%
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HLCH606 / GLCH606 Biomolecules II - 4 credits (49.5 contact hours)

DESCRIPTION

25.5h of lecture course « Cours Magistral » CM
24h of smaller lecture / discussion course « Travaux Dirigés » TD

The main objectives of this course are: exploring and gaining a thorough understanding of the strategies of retro-synthesis and synthesis in the framework of multi-stage syntheses of therapeutic agents. Examples will be drawn from the principal medicinal classes and re-situated within the context of a specific pathology and also the manner in which the therapeutic agent operates. With this in mind, students will look at: synthesizing antibiotics, anti-hypertension agents, anti-inflammatory, and anti-cancer medication.

GRADING BASE

Final exam	100%
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