COURSE DETAIL

BIOORGANIC AND MEDICINAL CHEMISTRY
Country United Kingdom - England
Host Institution University of Manchester
Program(s) English Universities,University of Manchester
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biochemistry
UCEAP Course Number 115
UCEAP Course Suffix
UCEAP Official Title BIOORGANIC AND MEDICINAL CHEMISTRY
UCEAP Transcript Title BIOORG&MEDICIN CHEM
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description
This course examines the structure and roles of nucleic and acids as well as the chemical synthesis of DNA and applications of DNA oligonucleotides. Students learn the basic features of enzyme catalysis from a structural, functional, and kinetic perspective; examples of enzyme mechanisms in terms of reactions and stereoelectronic effects; the key steps in a range of biosynthetic processes, including: biosynthesis of acetyl CoA terpenes (particularly monoterpenes) from acetyl CoA, cyclic monoterpenes, higher terpenes Cholesterol, steroid biosynthesis, and medicinal importance.

Language(s) of Instruction
English

Host Institution Course Number
CHEM30432

Host Institution Course Title
BIOORGANIC AND MEDICINAL CHEMISTRY

Host Institution Course Details

Host Institution Campus
University of Manchester

Host Institution Faculty

Host Institution Degree

Host Institution Department
Chemistry

Course Last Reviewed

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