COURSE DETAIL

MOLECULAR BIOLOGY

Country
Hong Kong

Host Institution
University of Hong Kong

Program(s)
University of Hong Kong

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Biological Sciences

UCEAP Course Number
116

UCEAP Course Suffix

UCEAP Official Title
MOLECULAR BIOLOGY

UCEAP Transcript Title
MOLECULAR BIOLOGY

UCEAP Quarter Units
5.00

UCEAP Semester Units
3.30

Course Description
This course provides recent knowledge in molecular biology with special emphasis on the study of gene structure and function at the molecular level. The course includes a detailed account of the molecular processes in eukaryotic and prokaryotic cells, from DNA replication, RNA transcription, protein translation, to post-translational modifications with special emphasis on the regulation of prokaryotic and eukaryotic gene expression. Recently developed biochemical techniques including oligonucleotide synthesis, DNA sequencing, complementary screening and DNA cloning, site-directed mutagenesis, polymerase chain reaction and transgenic technology are also discussed.

Language(s) of Instruction
English

Host Institution Course Number
BIOL3401

Host Institution Course Title
MOLECULAR BIOLOGY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biological Sciences

Course Last Reviewed

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