

COURSE DETAIL

INTRODUCTION OF BIOCHIP TECHNOLOGIES

Country

Taiwan

Host Institution

National Taiwan University

Program(s)

National Taiwan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences Bioengineering

UCEAP Course Number

116

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION OF BIOCHIP TECHNOLOGIES

UCEAP Transcript Title

BIOCHIP TECHNOLOGY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

The class gives an introduction to basic microarray technology focusing on the development, analysis, conceptual and theoretical basis of microarray technology. The course also covers the modern and emerging applications. Other topics include microarray analysis, introduction to the chemistry, basics of biochemistry, genes and genomes, microarray surfaces, targets and probes, microarray manufacturing, microarray detection, and microarray informatics. Text: Mark Schena, MICROARRAY ANALYSIS. Assessment: report and presentation, final exam, midterm exam, homework and participation.

Language(s) of Instruction

English

Host Institution Course Number

EE5107

Host Institution Course Title

INTRODUCTION OF BIOCHIP TECHNOLOGIES

Host Institution Course Details

http://http://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=921%20U...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Electrical Engineering

Course Last Reviewed

2022-2023

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