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, miderm exam, homework and participation.

Language(s) of Instruction
English

Host Institution Course Number
EE5107

Host Institution Course Title
INTRODUCTION OF BIOCHIP TECHNOLOGIES

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Electrical Engineering

Print