

## COURSE DETAIL

### PLANT MOLECULAR GENETICS

**Country**

Taiwan

**Host Institution**

National Taiwan University

**Program(s)**

National Taiwan University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

105

**UCEAP Course Suffix****UCEAP Official Title**

PLANT MOLECULAR GENETICS

**UCEAP Transcript Title**

PLANT MOLECULAR GEN

**UCEAP Quarter Units**

3.00

**UCEAP Semester Units**

2.00

## Course Description

This course covers advanced topics in plant molecular genetics. Emphasis is given to how modern molecular genetics tools have been applied to study various plant biology topics. Topics include forward and reverse genetics, functional genomics, epigenetics, and plant pathogen interaction. Lectures are combined with literature reading, student presentations and discussion. Towards the end of the semester, each student is also required to write a research proposal/review. Assessment: homework, paper presentation, research proposal/review article, and discussion participation.

### Language(s) of Instruction

English

### Host Institution Course Number

PIBio5027

### Host Institution Course Title

PLANT MOLECULAR GENETICS

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Plant Biology

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