

## COURSE DETAIL

### EARLY DEVELOPMENTAL EMBRYOLOGY

**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**

123

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

EARLY DEVELOPMENTAL EMBRYOLOGY

**UCEAP Transcript Title**

EARLY DEVT EMBRYO

**UCEAP Quarter Units**

3.00

**UCEAP Semester Units**

2.00

## Course Description

This course discusses the basic principles and molecular controls of embryonic development, emphasizing the progression from gametogenesis, fertilization, cleavage to gastrulation (i.e., the formation of the gut). The course also covers cell fate and embryonic axis determination as well as popular experimental models used by current developmental biologists. The course studies formation and derivatives from three germ layers, ectoderm, mesoderm and endoderm. The course then ends with a review of tissue and organ regeneration and the progression of regenerative medicine.

## Language(s) of Instruction

English

## Host Institution Course Number

LS5019

## Host Institution Course Title

EARLY DEVELOPMENTAL EMBRYOLOGY

## Host Institution Course Details

[https://nol.ntu.edu.tw/nol/coursesearch/print\\_table.php?course\\_id=B21%20U1320&c...](https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=B21%20U1320&c...)

## Host Institution Campus

## Host Institution Faculty

College of Life Sciences

## Host Institution Degree

## Host Institution Department

## Course Last Reviewed

2024-2025

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