

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 Campus

Host Institution Faculty

College of Life Sciences

Host Institution Degree

Host Institution Department

[Print](#)