

COURSE DETAIL

DEVELOPMENTAL BIOLOGY

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

137

UCEAP Course Suffix**UCEAP Official Title**

DEVELOPMENTAL BIOLOGY

UCEAP Transcript Title

DEVELOPMENTAL BIOL

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course studies the cellular initiation and construction of mammalian organisms. The major models of amniote and mammalian developmental biology are used to facilitate the study of early development (cleavage, gastrulation, and axis formation), building with ectoderm (the vertebrate nervous system and epidermis), and building with mesoderm and endoderm (organogenesis). Students are able to comprehend and explain the cellular initiation and construction of mammalian organisms using mechanisms of cell differentiation, morphogenesis, and stem cell potential. Students are able to comprehend and explain the major models of amniote and mammalian developmental biology. Students are able to comprehend and explain how the major models of amniote and mammalian developmental biology are used to facilitate the study of early development (cleavage, gastrulation, and axis formation), building with ectoderm (the vertebrate nervous system and epidermis), and building with mesoderm and endoderm (organogenesis).

Prerequisites: Organic Chemistry 1, Biochemistry 1

Language(s) of Instruction

English

Host Institution Course Number

LST3206

Host Institution Course Title

DEVELOPMENTAL BIOLOGY

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Life Science and Biotechnology

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