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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Life Science and Biotechnology

Course Last Reviewed
2023-2024

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