

COURSE DETAIL

DEVELOPMENTAL BIOLOGY 3

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

127

UCEAP Course Suffix**UCEAP Official Title**

DEVELOPMENTAL BIOLOGY 3

UCEAP Transcript Title

DEVELOPMENTAL BIO 3

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course studies development of the complex organism from the fertilized egg, leading from the control of gene expression, to cell interaction, to the formation of tissues and organs. It considers the development of many types of animal and plant embryos and also post-embryonic process (control of growth, tissue maintenance, flowering, etc.). Major sections of the course include pattern formation (cell lineage, cell interaction); control of gene expression; genetic analysis of the nematode and in *Drosophila* (the oocyte, the embryo, and imaginal discs); mammalian development; and plant development. The course consists of lectures, laboratory practicals, small-group seminars, and data-analysis sessions.

Language(s) of Instruction

English

Host Institution Course Number

BILG09010

Host Institution Course Title

DEVELOPMENTAL BIOLOGY 3

Host Institution Campus

Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department

School of Biological Sciences

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