

99-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	發育生物學專論	Serial No. / ID	1222 / MBR5008
Dept.	分子生物科技學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	黃尉東	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(一)789 / J505	Language	Chinese

Introduction

This course will discuss the basic concept and development of developmental biology, the model animals used in developmental biology, the formation of cells, tissues and organs, the morphological variation in animals and the evolution will be also introduced.

Outline

1. Course Introduction
2. History and Basic Concepts
3. Model Systems
4. Model Systems
5. Patterning the Vertebrate Body Plan (I)
6. Patterning the Vertebrate Body Plan (I)
7. Patterning the Vertebrate Body Plan (II)
8. Morphogenesis: Change in Form in the Early Embryo
9. Midterm exam
10. Morphogenesis: Change in Form in the Early Embryo
11. Cell Differentiation
12. Cell Differentiation
13. Germ Cell and Sex Determination
14. Regeneration
15. Growth and Post-Embryonic Development
16. Class Report
17. Class Report
18. Final exam

Prerequisite

General Biology, Developmental Biology