

102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	發育生物學	Serial No. / ID	2225 / MBI3012
Dept.	分子生物科技學系	School System / Class	大學日間部2年1班
Lecturer	黃尉東	Full or Part-time	專任
Required / Credit	Optinal / 2	Graduate Class	No
Time / Place	(二)56 / B404	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. History and Basic Concepts
4. Model Systems
5. Model Systems
6. Patterning the Vertebrate Body Plan (I)
7. Patterning the Vertebrate Body Plan (I)
8. Patterning the Vertebrate Body Plan (II)
9. Mid term exam
10. Morphogenesis: Change in Form in the Early Embryo
11. Morphogenesis: Change in Form in the Early Embryo
12. Cell Differentiation
13. Cell Differentiation
14. Organogenesis
15. Germ Cells and Sex Determination
16. Regeneration
17. Growth and Post-Embryonic Development
18. Final Exam

Prerequisite

General Biology, Animal Physiology