

100-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	發育生物學	Serial No. / ID	0377 / 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	(四)34 / J121	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
<ol style="list-style-type: none">1. Course Introduction2. History and Basic Concepts3. History and Basic Concepts4. Model Systems5. Model Systems6. Patterning the Vertebrate Body Plan (I)7. Patterning the Vertebrate Body Plan (I)8. Patterning the Vertebrate Body Plan (II)9. Mid term exam10. Morphogenesis: Change in Form in the Early Embryo11. Morphogenesis: Change in Form in the Early Embryo12. Cell Differentiation13. Cell Differentiation14. Organogenesis15. Germ Cells and Sex Determination16. Regeneration17. Growth and Post-Embryonic Development18. Final Exam

Prerequisite
General Biology, Animal Physiology