

100-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	發育生物學專論	Serial No. / ID	1163 / 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	(四)567 / 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
<ol style="list-style-type: none">1. Course Introduction2. History and Basic Concepts3. Model Systems4. Model Systems5. 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 Embryo9. Midterm exam10. Morphogenesis: Change in Form in the Early Embryo11. Cell Differentiation12. Cell Differentiation13. Germ Cell and Sex Determination14. Regeneration15. Growth and Post-Embryonic Development16. Class Report17. Class Report18. Final exam

Prerequisite
General Biology, Developmental Biology