

## 97-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	發育生物學	Serial No. / ID	1874 / 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 / J315	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"> <li>1. Course Introduction</li> <li>2. History and Basic Concepts</li> <li>3. History and Basic Concepts</li> <li>4. Model Systems</li> <li>5. Model Systems</li> <li>6. Patterning the Vertebrate Body Plan (I)</li> <li>7. Patterning the Vertebrate Body Plan (I)</li> <li>8. Patterning the Vertebrate Body Plan (II)</li> <li>9. Mid term exam</li> <li>10. Morphogenesis: Change in Form in the Early Embryo</li> <li>11. Morphogenesis: Change in Form in the Early Embryo</li> <li>12. Cell Differentiation</li> <li>13. Cell Differentiation</li> <li>14. Organogenesis</li> <li>15. Germ Cells and Sex Determination</li> <li>16. Regeneration</li> <li>17. Growth and Post-Embryonic Development</li> <li>18. Final Exam</li> </ol>

Prerequisite
General Biology, Animal Physiology