

# 101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	病原分子致病機制	Serial No. / ID	1377 / MBR5053
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	游志文	Full or Part-time	專任
Required / Credit	Optinal / 2	Graduate Class	No
Time / Place	(四)34 / J505	Language	English

Introduction
A broad introduction to the general field of microbial pathogens is the goal of this course. This course will introduce the knowledge and studies of pathogens for understanding their structure, classification and evolution, and the ways to infect and exploit the host cells for reproduction, their interaction with host organism physiology and immunity, the diseases they cause, the techniques to isolate and culture them, and their use in research and therapy.

Outline
<ol style="list-style-type: none"><li>1. Introduction</li><li>2. Viral Classification, Structure, and Replication</li><li>3. Mechanisms of Viral Pathogenesis</li><li>4. Antiviral Agents</li><li>5. Laboratory Diagnosis of Viral Diseases</li><li>6. Papovaviruses</li><li>7. Adenoviruses</li><li>8. Human Herpesviruses</li><li>9. Poxviruses</li><li>10. Parvoviruses</li><li>11. Picornaviruses</li><li>12. Paramyxoviruses</li><li>13. Orthomyxoviruses</li><li>14. Reoviruses</li><li>15. Virus and Oncogenesis</li></ol>

Prerequisite
<ol style="list-style-type: none"><li>1. General Biology</li><li>2. Biochemistry</li></ol>