

102-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	病毒學	Serial No. / ID	2209 / MBI4018
Dept.	分子生物科技學系	School System / Class	大學日間部4年1班
Lecturer	游志文	Full or Part-time	專任
Required / Credit	Optinal / 2	Graduate Class	Yes
Time / Place	(二)34 / J214	Language	Chinese

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">1. Introduction2. Viral Classification, Structure, and Replication3. Mechanisms of Viral Pathogenesis4. Antiviral Agents5. Laboratory Diagnosis of Viral Diseases6. Papovaviruses7. Adenoviruses8. Human Herpesviruses9. Poxviruses10. Parvoviruses11. Picornaviruses12. Paramyxoviruses13. Orthomyxoviruses14. Reoviruses15. Virus and Oncogenesis

Prerequisite
<ol style="list-style-type: none">1. General Biology2. Biochemistry