

102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	氣渦輪機導論	Serial No. / ID	1388 / MAV4022
Dept.	機械與自動化工程學系	School System / Class	四技部4年1班
Lecturer	吳佩學	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	Yes
Time / Place	(一)567 / H440	Language	Chinese

Introduction
This course is an introduction to gas turbine basic knowledge, including its development, basic principles, components and their matching, and environmental considerations.

Outline
<ol style="list-style-type: none">1. History of the Gas Turbines2. Thermodynamics for Gas Turbines3. Fluid Mechanics in Gas Turbines4. Combustion5. Shaft-Power Gas Turbines6. Gas Turbines for Aircraft Propulsion7. Compressors8. Turbines.9. Inlets, Combustion Chambers, and Nozzles10. Component Matching11. Environmental Considerations

Prerequisite
English, Thermodynamics, Fluid Mechanics