

# 101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	氣渦輪機導論	Serial No. / ID	1982 / 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)56 / H441 (二)4 / H441	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"><li>1. History of the Gas Turbines</li><li>2. Thermodynamics for Gas Turbines</li><li>3. Fluid Mechanics in Gas Turbines</li><li>4. Combustion</li><li>5. Shaft-Power Gas Turbines</li><li>6. Gas Turbines for Aircraft Propulsion</li><li>7. Compressors</li><li>8. Turbines.</li><li>9. Inlets, Combustion Chambers, and Nozzles</li><li>10. Component Matching</li><li>11. Environmental Considerations</li></ol>

Prerequisite
English, Thermodynamics, Fluid Mechanics