

# 100-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	氣渦輪機導論	Serial No. / ID	1978 / MAI4034
Dept.	機械與自動化工程學系	School System / Class	大學日間部4年4班
Lecturer	吳佩學	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	Yes
Time / Place	(一)56 / H440 (二)2 / 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"><li>1. History of Gas Turbines Development</li><li>2. Categories of Gas Turbine Systems and Operation Cycles</li><li>3. Compressors, Combustion Chamber, and Turbines</li><li>4. Combustion for Gas Turbines</li><li>5. Shaft-Power Gas Turbines</li><li>6. Development and Applications in the Future</li></ol>

Prerequisite
English, Thermodynamics, Fluid Mechanics