

99-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	熱傳學	Serial No. / ID	0409 / MAI3017
Dept.	機械與自動化工程學系	School System / Class	大學日間部3年1班
Lecturer	謝其源	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(一)34 / H440 (四)2 / H440	Language	Chinese

Introduction
<p>Major objective of the course include:</p> <ol style="list-style-type: none"> 1. Students learn the basic modes of heat transfer. 2. Students have the ability to describe the phenomenon of heat transfer. 3. Students have the ability to analyze the heat transfer problems and compute the rate of heat transfer and temperature. 4. Students are able to analyze the practical heat transfer problems.

Outline
<ol style="list-style-type: none"> 1. Basic Modes of Heat Transfer 2. Heat Conduction 3. External Forced Convection 4. Internal Forced Convection 5. Natural Convection 6. Heat Transfer by Radiation

Prerequisite
Engineering Mathematics (I), (II) Thermodynamics (I) Fluid Mechanics