

## 97-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	熱傳學	Serial No. / ID	0719 / 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	陳國祥	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	NO
Time / Place	(一)12 / H440 (三)3 / H440	Language	Chinese

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

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

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