

**National Chiayi University Syllabus**  
**Department of Wood products science and furniture engineering,**  
**Spring Semester,**  
**Academic Year 2010**

<b>Course:</b> Woodiness environment	<b>Credit:</b>	<b>Hours:</b>
<b>Class:</b>	<input type="checkbox"/> Required, <input type="checkbox"/> Elective	
<b>Instructor:</b> Chen, Po-Jang	<b>E-mail:</b> bjchen@mail.ncyu.edu.tw	
<b>Office:</b> A02-213	<b>Office Hours:</b> Wednesday 9~10 AM	

**I. Course Description:**

The performances on the combination of temperature, relative humidity, wind speed and thermal radiation and so on are important elements to a safe and comfortable life in habitation, which affected by the furnishing, decorations, and interiors design. Therefore, wood-based materials are becoming more valuable in human lives and environment. This program will establish a concept of wooden environment.

**II. Teaching Objectives:**

The performances on the combination of temperature, relative humidity, wind speed and thermal radiation and so on are important elements to a safe and comfortable life in habitation, which affected by the furnishing, decorations, and interiors design. Therefore, wood-based materials are becoming more valuable in human lives and environment. This program will establish a concept of wooden environment.

**III. Class Schedule(~day, periods?~?)**

<b>Week</b>	<b>Date</b>	<b>Topic/Activity</b>	<b>Reading/Assignment</b>
1	/	Class rules and notices	
2		Environment factors of : Temperature in residence	
3		Relative humidity in residence	
4		Atmospheres and wind in residence	
5		Sounds and noises in residence	
6		Location of residence	
7		Living factors	
8		Wooden materials: definition	
9		Wooden materials: categories	
10		Properties of wooden materials	
11		Advantages and defects of wooden materials	
12		Utilization of wooden materials	
13		How to choose wooden materials	

14	Relationships between wooden materials and environments
15	Materials of interior decoration: definition and categories
16	Timing and conditions for interior decoration
17	Comparison to wooden materials and other materials
18	Properties and advantages of interior decoration with wooden materials

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#### **IV. Evaluation :**

Attendance and assignment : 30% ; Midterm assignment : 30% ; Final assignment : 40%

#### **V. References :**

- 1、王松永、丁昭義，(1984)，林產學(上冊)，台灣商務印書館。
  - 2、王松永、卓志隆，(1991)，木材內裝對室內溫度與濕度調節效應，林產工業 10(2): 1-25
  - 3、王松永、卓志隆，(1992)，木材內裝對室內溫度與濕度調節效應(二)，中華林學季刊 25(3)：109-145
  - 4、林憲德，(1994)，生活環境科學系列之一--現代人類的居住環境，pp.169，胡氏圖書出版社
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