

**National Chiayi University Syllabus**  
**Department of Forest Products Science and Furniture Engineering,**  
**Spring Semester, Academic Year 2010**

**Course:** Wood Adhesion Lab.

**Credit:** 1

**Hours:** 3

**Class:** junior

**Required**

**Instructor:** Yiren Wang

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**Office:** A02-224

**Office Hours:**

**I. Course Description:**

This course will explore the effects of wood and adhesive application factors on the joint strength.

**II. Teaching Objectives:**

The objective of this course is to be familiar with the specimen making, the procedure of joint test and the statistical analysis of data.

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

<b>Week</b>	<b>Date</b>	<b>Topic/Activity</b>	<b>Reading/Assignment</b>
1		Class lecture	
2		t-test	
3		Natural glue	
4		Moisture factor on bonding strength	
5		Surface properties on bonding strength	
6		Filler factor on bonding strength	
7		Catalyst factor on bonding strength	
8		Bonding strength of various glue	
9		Glue thickness on bonding strength	
10		Midterm	
11		Parquetry practice	
12		Parquetry practice	
13		Parquetry practice	
14		Parquetry practice	
15		Parquetry practice	
16		Parquetry practice	
17		Final	
18			

**IV. Evaluation :** homework, midterm and final:50%, report: 30%, Parquetry:20%

**V. References :**