

Syllabus

Attachment #5

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| Course Title: Craft of Wood Turning | Class: | |
| Instructor: Su, Wen-Ching | Credit: 2 | <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective |
| Prerequisite: No | Course Hours: 2hrs/week | |
| 1. Course Objectives: The objective of this course is to help students get basic skills of furniture design. My aim was to provides a toolbox of ideas with which students having a serious interest in furniture making, and also provide a relatively straightforward design process that would allow beginners to build confidence as they made real the furniture of their dreams. Finally, training students to require a lot of thought, work and indeed trial and error to produce a piece of high visual and functional quality. | | |
| 2. Course Format and Evaluation: 30% for mid-examination; 10% for quiz and attendance; 30% for final examination; 30% for final homework (1:5 fine model) and oral presentation. | | |

3. Course Schedule:

1. **Woodworking lathe**

2. **Table lathe**

3. **Mounting and setting**

Mounting stock

Tool holding

Locate center

4. **Turning tools**

Types of turning tools

Fitting a tool handle

5. **Woodworking lathe**

6. **Table lathe**

7. **Mounting and setting**

Mounting stock

Tool holding

Locate center

8. **Turning tools**

Types of turning tools

Fitting a tool handle

9. **Basic turning**

Cutting or Scraping

Grain direction

Turning techniques

--Gouge tool

--Parting tool

--Round-nose tool

--Skew tool

10. **Turning operations**

Rough turning

Turning cylinder and tapers

Turning V-grooves

Turning beads

Turning coves

Turning shoulder

Turning complex shape

Turning glue-up stock

Split turning

Turning duplicate workpiece

11. **Faceplate turning**

Preparing material for faceplate turning

Inboard and outboard faceplate turning

Chuck turning

12. Smooth turned products

File

Plane

Abrasive paper

13. Sharpening lathe tools

Flat stone and slip stone

Grinder

4. Textbooks and Readings:

- Edited teaching materials.
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