

RED ROCKS COMMUNITY COLLEGE  
FINE WOODWORKING

## Introduction to Turning / FIW-118

Saturday 10:00 AM – 1:55 PM / Spring 2017

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Shop Phone: 303.914.6209	Please check the website before you phone the shop
Website (Everything can be found on the website)	<a href="http://www.rrcc.edu/finewood">www.rrcc.edu/finewood</a>
Google Group (Primary Shop communication)	groups.google.com/group/rrcc-fiw

**Course Goal:** Explores the capacities of a lathe through spindle and faceplate turnings. The use of bead, cove, taper, cylindrical, v-cuts, proportion and curved line relationships are examined. Lathe components, tools, and sharpening are covered.

### **Projects:**

6 Spindles – cylinder, Taper In, Taper Out, Step, Coves Beads - (30 points)  
Mallet – (5 points)  
2 Bowls (30 points)  
Pen – (5 points)  
Oil Lamp, Bottle Stopper – (10 points)

### **Grading:**

Grading will be based on attendance, skill progression, project progression, class participation, and project completion. Each of these has an assigned point value, the total of which is 250.

**Attendance (60):** Attendance is a large part of your grade. Missing lectures and class time requires giving you special attention to get caught up, and this means the other students have less access to the teacher and TAs. You will lose 2 points for each of the first three days of class missed. 5 points will be deducted from each additional class missed. You can be asked to leave the class for missing three or more days unexcused if you are deemed to be unsafe as a result. You will need to meet with the instructor in order to discuss what actions will be needed to be considered safe to return to the class. Your grade will also be affected by the classes missed until you are allowed to rejoin the class. If you do not meet the requirements to rejoin the class you will receive a failing grade.

**Project Progression and Completion (80):** You must make consistent progress on your projects. You must also complete your projects in order to receive an A. Completing each project is worth 10 points. Simply completing your projects will not guarantee you an A, but you will not receive an A if you don't complete your projects. Please note that I do NOT expect you to have a finish applied to your projects, but they must be complete and sanded. **Students are asked to please bring all of the projects turned during the semester to the final class for review and evaluation.**

**Mid-term Project (40):** You will assigned a Mid-term project test which you will be required to turn in after completion of the 6 – Spindle project.

**Skill Progression (40):** You must learn to use the tools properly. You should also become more proficient with the tools as the semester progresses. .

**Class Participation (30):** This includes taking the class seriously, having the proper materials, and being respectful of your instructor, other instructors, TAs, and fellow students. This also includes paying attention to lectures, participation in cleanup, and following safety guidelines, as well as helping others.

**While not mandatory, students are strongly encouraged to attend the Fine Woodworking department's Open House show which will be the Saturday following the last day of the semester stated in the college catalog.**

### **WorkShop ID**

Students will need to get their **WorkShop ID**. This ID is a WoodShop name badge and must be worn in order to have access to the tools. Name Badges are issued at the Student-Life desk. Photo ID, and school schedule must be presented at the Student-Life desk in order to receive this ID (if you don't have your schedule, they can help you at the Student-Life desk). Be advised that this is your student ID. New students must complete a Shop Safety & Orientation course and receive a sign off on a card so the student can receive their ID badge (which needs to be worn in the shop, and used to check out).

### **Class Outline:**

<u>Week #</u>	<u>Class Description</u>
1	Introduction to the Lathe – Class Overview Lathe Tools Shop Procedures & Safety Rules, Required Materials, Tests, Projects Sharpening a roughing gouge, Rough turning a cylinder
2	Sharpening a spindle gouge and parting tool Introduction to spindle turning techniques Tools - Student Practice Turn a top – Top spinning challenge
3	Introduction to 6 - Spindle Turning exercises Demonstration of techniques used to complete the assignment Mounting Stock for Spindle Turning – Cylinders, Tapers, V-Cuts, Coves, Beads
4	Work day - One on One Assistance on 6 Spindle Turning assignment
5	Demonstration of Mid-term Spindle Turning assignment Continued one on one assistance with 6 Spindle assignment, cont'd.
6	Turning a mallet 6 Spindle assignment due at beginning of class One on One Assistance on turning a mallet and Mid-term Spindle Turning assignment

- 7 Face Plate Turning – Discussion and Demonstration  
Mallet due at beginning of class  
Chucks and Face Plates - Tool use - cutting vs. scrapping
- 8 Reverse Chucking Techniques  
Mid-term Spindle Turning Assignment due at beginning of class
- 9 Overview of contemporary turning styles and techniques  
Student Practice - Bowls
- 10 Inlaying stone, metal or other materials
- 11 Pen Making – Making a European style wooden pen
- 12 Finishing materials for the Lathe, Finishing on and off the Lathe
- 13 Bottle Stopper – Use of Jacobs Chuck
- 14 Oil Lamps
- 15 Introduction to using the skew  
Student Practice – Last class period to complete assignments. Teacher critique of all assignments

**Required/Recommended Materials:**

- | WEEK # | Required Materials  |
|--------|---|
| 1 - 8  | Most materials will be supplied by the school. Please note there are a limited number of spindle blanks supplied. Once the supply is gone, students must supply their own blanks. Only two bowl blanks, approximately 3" x 6" x 6" will be supplied.            |
| 11     | Pen blanks and kits may be available at the bookstore, but they can also be purchased directly through Craft Supplies USA, Woodcraft, and Rockler<br>Be sure to get a European style kit with 7mm barrel<br>Pen Blank – ¾" x ¾" x 5 ¼", hardwood of your choice |
| 13     | You will need to order one bottle stopper of your choice from <a href="http://www.woodturnerscatalog.com/">http://www.woodturnerscatalog.com/</a> , and one bottle stopper blank 1 ½" x 1 ½" x 2" from the hardwood of your choice.                             |
| 14     | You will need to order a confetti light kit for the oil lamp from <a href="http://www.woodturnerscatalog.com/">http://www.woodturnerscatalog.com/</a><br>Oil Lamp Blank – 2 ½" x 2 ½" x 6"  |

**Suppliers:**

Craft Supplies USA – <http://www.woodturnerscatalog.com>  
 Rockler – <http://www.rockler.com/>  
 Woodcraft – <http://www.woodcraft.com/>

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## RRCC SYLLABUS INSERT

### RRCC SYLLABUS DISABILITY STATEMENT

**ADAAA (Americans with Disabilities Act Amendments Act of 2008) and Section 504 of the Rehabilitation Act of 1973:** Red Rocks Community College is committed to access for students with disabilities. If you are a student with a disability and need assistance or are interested in requesting accommodations, please contact Accessibility Services. Faculty are not obligated to provide accommodations without proper notification by Accessibility Services and accommodations are not retroactive. Students may contact the Access staff by telephone or email to make an intake appointment at 303-914-6733, 720-372-1591(VP) or [Accessibility Services](mailto:access@rrcc.edu) access@rrcc.edu. Accessibility Services is located in Suite 1182 at the Lakewood campus. More information is available at the [Accessibility Services website](http://www.rrcc.edu/accessibility-services): www.rrcc.edu/accessibility-services.

### MANDATORY REPORTING STATEMENT

Our College is committed to preserving a safe and welcoming educational environment for all students. As part of this effort, I have an obligation to report certain issues relating to the health and safety of campus community members. I must report to the appropriate College officials any allegation of discrimination or harassment. Sexual misconduct, which includes sexual harassment, non-consensual sexual contact, non-consensual sexual intercourse, and sexual exploitation, is considered a form of discrimination. In addition to reporting all discrimination and harassment claims, I must report all allegations of dating violence or domestic violence, child abuse or neglect, and/or credible threats of harm to yourself or others. Such reports may trigger contact from a College official who will want to talk with you about the incident that you have shared. In almost all cases, it will be your decision whether you wish to speak with that individual. If you would like more information, you may reach the Title IX/EO Coordinator: D. **Arnie Oudenhoven, Executive Director of Human Resources/Title IX Administrator, 303-914-6298** or [Arnie Oudenhoven](mailto:arnie.oudenhoven@rrcc.edu) (arnie.oudenhoven@rrcc.edu)

Reports to law enforcement can be made at the Red Rocks Campus Police Department behind the Welcome Desk at the Main Entrance or [RRCC Dispatch](mailto:rrpd.dispatch@rrcc.edu) (rrpd.dispatch@rrcc.edu) at 303-914-6394.

If you would like a confidential resource, please contact **Deborah Houser, Assistant Director of Human Resources/Deputy Title IX Administrator, 303-914-6224** or [Deborah Houser](mailto:deborah.houser@rrcc.edu) (deborah.houser@rrcc.edu)

Further information may be found on the college [Human Resources website](http://www.rrcc.edu/human-resources/sexual-misconduct): http://www.rrcc.edu/human-resources/sexual-misconduct.

### STUDENT HANDBOOK

The [RRCC Student Handbook](http://www.rrcc.edu/student-life/handbook) is your most current source of dates, resources, contacts, and policies: <http://www.rrcc.edu/student-life/handbook>.