

**RED ROCKS COMMUNITY COLLEGE  
FINE WOODWORKING**

## **Introduction to Turning / FIW-118**

**Saturday 10:00 AM – 2:00 PM / Spring 2015**

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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. If you happen to get a finish on your projects as well, you will be awarded with 10 extra credit points.

**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):** his 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.

**Your class grade can be dropped a full letter grade if you miss the Open House day 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 Student Practice - Bowls
- 10 Inlaying stone, metal or other materials
- 11 Finishing materials for the Lathe, Finishing on and off the Lathe
- 12 Pen Making – Making a European style wooden pen
- 13 Bottle Stopper – Use of Jacobs Chuck
- 14 Oil Lamps
- 15 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 one bowl blank will be supplied, students must supply their own blank for the second bowl. |
| 12     | Pen blanks and kits may be available at the bookstore, but they can also be purchased through Craft Supplies USA, Woodcraft, and Rockler<br>Be sure to get a European style kit with 7mm barrel   |
| 13     | You will need to order the stopper of your choice from<br><a href="http://www.woodturnerscatalog.com/">http://www.woodturnerscatalog.com/</a>   |
| 14     | You will need to order a confetti light kit for the oil lamp from<br><a href="http://www.woodturnerscatalog.com/">http://www.woodturnerscatalog.com/</a>  |

**Suppliers:**

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

**OTHER:** Red Rocks Community College in compliance with federal guidelines, is committed to equal educational opportunity by assuring otherwise qualified students with disabilities equal access to RRCC programs and activities that are provided to students without disabilities. An otherwise qualified person with a disability is a student who meets the academic and technical standards required for admission or participation in all educational programs and activities.

**Eligibility:** To ensure the provision of reasonable and appropriate accommodations and services at Red Rocks, students with disabilities must identify themselves in a timely manner to the Office of Disability Services (ODS), Room 1182, Learning and Resource Center, 303-914-6733., in order to be eligible for the requested accommodation(s). Current and comprehensive documentation must be on file with the office prior to approval of the accommodation.

It is strongly encouraged that students self-disclose their disabilities at the beginning of their academic experience because accommodations are not retroactive.

RRCC will provide accommodations for qualified students with disabilities through communication with your instructor via an Accommodation Certificate and your conversation with me. To request accommodations, contact the Office of Disability Services; Director, Jacquie Stanton at your earliest convenience. The Office of Disability Services located in the Learning and Resource Center (LARC) in Room 1185. You may contact ODS at 303.914.6731 V/TDD or email [ODS@rrcc.edu](mailto:ODS@rrcc.edu).

## RRCC Syllabus Disability Statement

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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 or [access@rrcc.edu](mailto:access@rrcc.edu). Accessibility Services is located in Suite 1182 at the Lakewood campus. More information is available at [www.rrcc.edu/accessibility-services](http://www.rrcc.edu/accessibility-services).