Semester/Year: Spring 2015

Lecture Hours: 1  Lab Hours: 2  Credit Hours: 2

Class Time: 6:00-9:00PM  Days: M/W  Room: WT126

Instructor's Name: Charles Mayfield

Office Phone: (307) 268-2674  Home Phone: (940)464-2580

Office Hours: as posted at office door.  WT 129B

Course Description: This course covers the fundamentals of turning and of wood carving as related to furniture making. Topics include wood-forming, chip carving, high-relief carving and bas-carving. Emphasis is placed on selection and safe use of tools, tool sharpening and carving techniques of both hand and power tool carving. Students will learn skills in the use of the wood lathe both faceplate and spindle turning. Green-wood turning and segmented turning will be introduced.

Statement of Prerequisites: NA

Goal: The student will:
1. Understand various processes in shaping wood.
2. Understand the safe and correct uses of file, rasps, hand and power carving tools.
3. Understand how to sharpen and care for wood forming tools.
4. Know how to prepare stock and layout designs needed for carving.
5. Be able to execute basic carving projects.
6. Understand pros and cons of various woods used for carving.
7. Know how to set up and operate a wood lathe.

Outcomes: 1. List various types of carving and the methods used to create them.
2. Sharpen chisels and gouges needed for carving and turning.
3. Layout and execute basic carving using chip carving method, base relief and others.
4. Be able to produce furniture parts on the lathe.

Methodology: Students will spend 1 hour per week in lecture learning basic carving and turning techniques. 2 hour per week will be used to apply learned skills and to develop proficiency in carving and wood turning.

Evaluation Criteria: Tests 20%
Project 60%
Participation 20%
Required Text, Readings, and Materials: hand-outs and reference materials provided by instructor

Recommended Text: WOOD TURNING by Dale Nish  
CARVING CLASSICAL STYLES IN WOOD by Fredrick Wilbur

Special Note: Safety Glasses must be provided by student.

Class Policies: Last Date to Change to Audit Status or to Withdraw with a W Grade: see current student handbook, for these dates.

*Three unexcused absences will result in the loss of one letter grade.*

**Personal and equipment safety will be strictly enforced. It is the individual students’ responsibility to develop and incorporate a safe work attitude.**

Student Rights and Responsibilities: Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Academic Dean, and lastly the Vice President for Academic Affairs.

Academic Dishonesty - Cheating & Plagiarism: Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct.

**Official Means of Communication:** Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly

**ADA Accommodations Policy:** If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college’s Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

Calendar or schedule indicating course content:

Week 1  1. Design/Layout/Wood selection/Chip carving demonstration  
2. Tools/Care/Sharpening/Types and styles of carving  
3. Bas-relief carving/Sample carvings  
4. Power tool uses and techniques/Student carving
5. High-relief carving lecture and demonstration/Student carving
6. Applied carving/Student carving
7. Sanding/Scraping/Finishing/Student carving
8. Lathe and lathe tool uses
9. Wood turning techniques
10. Final exam/Students submit work