Semester/Year: Spring 2015

Lecture Hours: 2  Lab Hours: 4  Credit Hours: 4

Class Time: 1:00PM–3:50 PM  Days: TTH  Room: WT 126/127

Instructor’s Name: Charles Mayfield
Instructor's Contact Information: Office Phone: (307) 268-2674  Email: cmayfield@caspercollege.edu

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

Course Description: Course designed to build on previously learned skills in carpentry, roofing, concrete, and work site safety, through hands-on construction techniques in a lab setting. Typically, the material covered will relate to residential construction, but commercial and industrial applications will be covered.

Statement of Prerequisites: CNTK 1700, articulated classes, or permission of instructor.

Goal: To provide the student with an understanding of carpentry that will prepare them to enter the construction field.

Outcomes: 1. Demonstrate effective written and oral communication  
2. Solve problems using critical thinking and creativity  
3. Appreciate aesthetic and creative activities  
4. Use quantitative analytical skills to evaluate and process numerical data

2. Practical processes used in construction.  
3. Tools, machines, and equipment used in modern carpentry  
4. Development of safe work habits  
5. Practical experience building a project in the laboratory, working on job site (if possible), and/or observing local construction sites in progress.

Methodology: A lecture / lab approach to the subject will be used. Lecture time will be spent in the laboratory or job site, as well as the classroom. Various presentation methods will be used. Hands-on learning, either in the laboratory or in the field will be emphasized.

Evaluation Criteria: Student participation: 50%  
Tests and assigned homework 50%  
Grading: A – 90 -100%; B - 80-89%; C – 70- 79%; D – 60-69%

Required Text, Readings, and Materials: Carpentry and Building Construction, M. Ferier & J. Ferier,
Class Policies: Last Dates to Change to Audit Status or to Withdraw with a W Grade are stated in the current college catalogue. *Three (3) un-excused absences will result in the loss of one letter grade.*

**SAFETY:** personal and equipment safety standards will be strictly enforced. It is the students’ responsibility to develop 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.

ADA Accommodations Policy: It is the policy of Casper College to provide appropriate accommodations to any student with a documented disability. If you have a need for accommodation in this course, please make an appointment to see me at your earliest convenience.

Calendar or schedule indicating course content:

1. Building materials
2. Safety rules
3. Leveling instruments
4. Plans, specifications, and codes
5. Foundations
6. Wall and ceiling framing
7. Roof framing and materials
8. Windows and doors
9. Insulation
10. Stair construction
11. Cabinetry and trim
12. Mechanical and electrical systems
13. Carpentry as a career path

The calendar / schedule may vary due to field trips, weather, and/or project being built.

Even though the schedule may vary, students will be responsible for reading material assigned weekly, periodic quizzes