

**DOWNRIVER CAREER TECHNICAL CONSORTIUM
LEARNING CENTER BUILDING
22000 GIBRALTAR ROAD
FLAT ROCK, MICHIGAN 48134
(734) 782-3194**

Course Name: Construction Trades II

Course Number: 712GB
(Program Serial Number—06215)

Course Credit: 2 Credits Per Year

School Year: 2008-2009

Instructor: Malcolm McLean

Course Description: An intermediate level building trades class that places emphasis on learning through participation on real construction projects, lab work, and traditional instruction. This course concentrates on most of the areas in the carpentry field and also the following trades: electrical, masonry, painting, and plumbing.

Course Objectives: The main objective of this course is to prepare students for the construction trades job market through career pathway instruction, and to give each student relevant competencies in the many areas of the construction industry.

Student Competencies: Upon completion of this course, students will be able to demonstrate a working knowledge in the following areas:

- Tool and jobsite safety
- Blueprint reading and estimation
- Mathematics for skilled trades
- Residential skilled trades: carpentry, electrical, plumbing, and HVAC
- Employability skills

Required Text: **Carpentry** Fourth Edition by Leonard Koel, Copyright 2004
American Technical Publishers

References & Other Resources: The Michigan Residential Code Book
(most up to date copy)

Course Advisory Committee: **Robert Howey** Architect
Virgil Mianni Building inspector
Huntley Robinson Counselor
Justin Gryzwacz Architect
Jim Boomer Construction Manager
Kelly Chinavare Lumber Sales Rep.
Cortez Webster Student
James Lyons Student
Jordan Labadie Student

Class Assignments: The following types of assignments are used to evaluate student competencies:

- On site work performance
- In class notebooks
- Class handout worksheets

Final Exam: The final exams will be fill in the blank, multiple choice, and True or False. They will count for 20% of grading period marks.

Class Policies: Because the class is based on a real construction project, the main policies revolve around maintaining safety on the job by obeying these rules:

- Safety is a must!
- No clowning around!
- Student must bring pencil every day.
- DCTC driving rules apply, no exceptions!
- Students must wear appropriate clothing.
- All attendance policies are based on Carlson H. S. standards.
- All behavior policies are based on Carlson H. S. policies.

Evaluation & Grading: The grading scale is based on weighted percentages as follows; 40% class performance of application skills, 40% class handout worksheets, and 20% Final Examinations.

Marking period grades are in these boundaries:

- A 100%-93% A- 92%-90%
- B+ 89%-87% B 86%-83% B- 82%-80%
- C+ 79%-77% C 76%-73% C- 72%-70%
- D+ 69%-67% D 66%-63% D- 62%-60%
- E 59%-0%

Course Outline: The outline of course topics follows the Michigan Segmenting Plan found in the Curriculum Standards Project:

1. Safety & Career Awareness.
2. Wood/Fasteners.

3. Blueprints/Concrete.
4. Framing-Floors,Walls & Ceilings.
5. Framing-Roofs.
6. Roofing.
7. Windows and Doors.
8. Siding and Decks.
9. Insulation and Wall Finishing.
10. Interior Finishing.
11. Framing and Finishing Stairs.
12. Cabinets and Countertops.

Articulation Agreements: Currently we have a Construction Materials Course credit agreement with Wayne County Community College, Henry Ford Community College, and Monroe County Community College.