COURSE SYLLABUS
CON 150
BASIC CONSTRUCTION TECHNIQUES I
Fall 2015

Faculty: Howard Twiford
Telephone: 443-880-0729 – text is acceptable
Email: All messages will be sent/received via blackboard
Class Time: Lecture (5:30pm – 6:30pm) Parkside Carpentry Shop
Lab (6:45pm – 9:30pm) Parkside Carpentry Shop
First Class: Sept. 10, 2015 @ 5:30pm

COURSE DESCRIPTION
This course is the first course of a two course sequence in building construction techniques. In the first half of this course, the fundamental concepts and principals of project delivery up to the point of completion of the building envelope and installation of exterior doors and windows and weather proofing is covered. The second half of the course will focus on the mechanical systems equipment and interior finishes. Throughout both halves of the course emphasis will be given to work place skills, common practices, and work place attributes. Green building strategies and sustainable practices will be identified and explored.


Laboratory exercises will be supplemented with teacher provided materials.

Students are encouraged to bring personal hand tools and belt to all Lab Exercises.

COURSE OBJECTIVES, ASSESSMENT GOALS & ASSESSMENT STRATEGIES

All students will be able to:

1. Identify, Explain and demonstrate building techniques for modern Residential and Commercial structures.
   Assessment Strategy: Exam questions, quizzes and homework

2. Identify, and demonstrate safe use and proficiency with industry standard hand and power tools.
   Assessment Strategy: Exam questions, quizzes – skills assessment

3. Identify and Explain building techniques for foundations in residential and commercial construction such as energy efficient and sustainable techniques.
   Assessment Strategy: Exam questions, quizzes and homework.*
4. Identify, Explain and Demonstrate building techniques for floor structures in residential and commercial construction and identify energy efficient and sustainable techniques.
   Assessment Strategy: Exam questions, quizzes and Skills assessment.

5. Identify, Explain and Demonstrate building techniques for wall structures in residential and commercial construction and Identify energy efficient and sustainable techniques.
   Assessment Strategy: Exam questions, quizzes and Skills assessment.

6. Demonstrate measurement, Basic materials estimating, and Construction Document reading standards for modern construction
   Assessment Strategy: Exam questions, quizzes, and homework.*

7. Identify and Explain various Roofing and Siding products and energy efficient and sustainable techniques.
   Assessment Strategy: Exam questions, quizzes, and homework.*

COURSE REQUIREMENTS:
Grading will be determined on the basis of Tests, Homework assignments, Quizzes, Electronic research project, Lab participation, organization, and a comprehensive Final exam. Lab participation and common Work Place Skills will be emphasized.

ATTENDANCE
Students are urged to attend all lecture and laboratory periods. Participation in lab exercises is heavily emphasized. All students are responsible for the course content and are expected to report to class prepared.

GRADING - The course grade will be determined as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>Conversion of numeric average to final (letter) grade:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attendance</td>
<td>25%</td>
<td></td>
</tr>
<tr>
<td>Lab Participation</td>
<td>25%</td>
<td>90 – 100 = A</td>
</tr>
<tr>
<td>Midterm</td>
<td>10%</td>
<td>80 – 89 = B</td>
</tr>
<tr>
<td>Quizzes /Assignments</td>
<td>10%</td>
<td>70 – 79 = C</td>
</tr>
<tr>
<td>Electronic Project</td>
<td>10%</td>
<td>60 – 69 = D</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
<td>0 – 59 = F</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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H1N1 STATEMENT:
In the event of a flu epidemic or other emergency that results in the suspension of classes, faculty will be communicating with students about their courses and course requirements, such as assignments, quiz and exam dates, and class and grading policies, via faculty websites or Blackboard. Students will be responsible for completing all these assignments in accordance with class policies. Information about the resumption of classes will be communicated via the College’s website and email system.