Course Syllabus
ENGI 120 Introduction to Engineering
2 Credit Hours

Semester/Year: Fall 2008  Office Location: Shields 206C
Instructor: Bill Eberlein  Office Hours: WF 10 AM Shields 206C
E-Mail Address: eberlein@csi.edu  TR 11 AM Canyon 114
Office Phone: 208-732-6829  M 4 PM Math Lab
By Appointment

Course Description: History of engineering, engineering disciplines, ethics, statistics, graphing and problem solving. Required first course for all engineering majors.

Co-Requisite: Math 147 or Instructor's permission.

Text: Concepts in Engineering by Holtzapple & Reece, 2nd ed.

Supplies: Engineering computation paper and a scientific calculator.

Course Objective: Explore the engineering profession, use math as an engineering tool, examine approaches to problem solving and introduce the engineering process.

Expected Outcomes: The student will be familiar with engineering specialties, and the engineering profession. Students will be familiar with the engineering method. Students will also possess a basic understanding of graphing, problem presentation, statistics, and problem solving techniques.

Outcomes Assessment: Outcomes will be assessed through homework, exams, projects and class participation.

"As part of departmental analysis of outcomes in this course and its place in the Engineering program, student completion of the prerequisite, success in the current course, success in subsequent courses and student satisfaction will be reviewed by the instructor. A review of this information will be made by department faculty to determine what, if any, changes can be made to improve the course in terms of content, focus, and instruction."

GRADING:
Homework: Homework will consist of problem sets, essays, and reports. The due date for each homework assignment will be announced when the assignment is made. Late work will be penalized 10% and will not be accepted after the test covering the material is given.

Note: This syllabus is tentative and subject to change
SYLLABUS

ENGi 120  Introduction to Engineering  2 Credit Hours  Fall 2008

Exams - There will be two exams and a group project during the semester. The project and each exam will be worth 100 points. The exams may be administered at the campus testing center located in the Meyerhofer building. The comprehensive final will be worth 200 points. Unless prior arrangements are made with the instructor, there will be no make-up exams. One missed exam score can be replaced with your semester homework average.

Homework and exams will be weighted as follows to obtain the grade for the course:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>25%</td>
</tr>
<tr>
<td>Exams &amp; project</td>
<td>50%</td>
</tr>
<tr>
<td>Final</td>
<td>25%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Percent</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100</td>
<td>A</td>
</tr>
<tr>
<td>80-89</td>
<td>B</td>
</tr>
<tr>
<td>70-79</td>
<td>C</td>
</tr>
<tr>
<td>60-69</td>
<td>D</td>
</tr>
<tr>
<td>&lt;60</td>
<td>F</td>
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</tbody>
</table>

Attendance will be taken every day. You are responsible for material presented and information announced in class whether you are there or not. Consistent attendance is important for success in all of your courses.

It is the student’s responsibility to drop the course.

During the first two week’s of the term, a student may drop a course or completely withdraw without its being recorded on the student’s official transcript. After the first two weeks a “W” will be recorded in any course the student drops.

A student desiring to drop a course during the first two weeks of the term may do so on-line. In order to drop or completely withdraw after the first two weeks, the student must complete and submit a drop or complete withdrawal form to the Admissions and Records Office.

NOTE: No course may be dropped or withdrawn from after 75% of the course or twelve weeks of the term has elapsed, whichever is earlier.
SYLLABUS

ENGI 120  Introduction to Engineering  2 Credit Hours  Fall 2008

Student e-mail Accounts
Since email is the primary source of written communication with students all registered CSI students get a college email account. Students e-mail addresses have the following format: 
username@students.csi.edu. Students can check their CSI e-mail at http://students.csi.edu. Instructors and various offices send messages to these accounts. Students must check their CSI e-mail accounts regularly to avoid missing important messages and deadlines. At the beginning of each semester free training sessions are offered to students who need help in using their accounts.

On-line course evaluation:
To help instructors continually improve courses, students are strongly encouraged to go online to http://evaluation.csi.edu and complete anonymous evaluations which open two weeks before the end of the course and close the last day of class. When students enter the site, they find evaluations for their enrolled courses. Thank you for this valuable input!

Please note that any student caught cheating will receive a NO CREDIT for the course and a notice of probation will be placed on the student’s permanent transcript.

Students are encouraged to review the code of conduct stated on pages 31, 32, & 33 the 2008-2009 CSI catalog.

Any student with a documented disability may be eligible for related accommodations. To determine eligibility and secure services, students should contact the coordinator of Disability Services at their first opportunity after registration for a class. Student Disability Services is located on the second floor of the Taylor Building on the Twin Falls Campus 208.732.6250 (voice) or 208.734.9929 (TTY), or e-mail Candida Mumford, cmumford@csi.edu.
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>8/25</td>
<td>Introductions, syllabus</td>
</tr>
<tr>
<td>2</td>
<td>8/27</td>
<td>Preparing to be an Engineer</td>
</tr>
<tr>
<td>3</td>
<td>9/1</td>
<td>Labor Day Holiday</td>
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<tr>
<td>4</td>
<td>9/3</td>
<td>The Engineer</td>
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<tr>
<td>5</td>
<td>9/8</td>
<td>History of Engineering</td>
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<tr>
<td>6</td>
<td>9/10</td>
<td>The Technology Team</td>
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<tr>
<td>7</td>
<td>9/15</td>
<td>Disciplines and Function</td>
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<tr>
<td>8</td>
<td>9/22</td>
<td>Engineering Ethics</td>
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<tr>
<td>9</td>
<td>9/24</td>
<td>Engineering Ethics</td>
</tr>
<tr>
<td>10</td>
<td>9/29</td>
<td>Problem Solving</td>
</tr>
<tr>
<td>11</td>
<td>10/1</td>
<td>Problem Solving</td>
</tr>
<tr>
<td>12</td>
<td>10/6</td>
<td>Engineering Design</td>
</tr>
<tr>
<td>13</td>
<td>10/8</td>
<td>Engineering Design</td>
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<tr>
<td>14</td>
<td>10/13</td>
<td>Columbus Day</td>
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<tr>
<td>15</td>
<td>10/15</td>
<td>Engineering Design</td>
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<tr>
<td>16</td>
<td>10/20</td>
<td>Engineering Communications</td>
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<tr>
<td>17</td>
<td>10/27</td>
<td>Numbers</td>
</tr>
<tr>
<td>18</td>
<td>10/29</td>
<td>Numbers</td>
</tr>
<tr>
<td>19</td>
<td>11/3</td>
<td>Tables and Graphs</td>
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<tr>
<td>20</td>
<td>11/5</td>
<td>Tables and Graphs</td>
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<tr>
<td>21</td>
<td>11/10</td>
<td>Veteran’s Day</td>
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<tr>
<td>22</td>
<td>11/12</td>
<td>Tables and Graphs</td>
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<tr>
<td>23</td>
<td>11/17</td>
<td>Tables and Graphs</td>
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<tr>
<td>24</td>
<td>11/19</td>
<td>SI Units</td>
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<tr>
<td>25</td>
<td>11/24</td>
<td>Unit Conversions</td>
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<tr>
<td>26</td>
<td>12/1</td>
<td>Project Presentations</td>
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<tr>
<td>27</td>
<td>12/8</td>
<td>Presentation Feedback</td>
</tr>
<tr>
<td>28</td>
<td>12/10</td>
<td>Class Evaluation &amp; Review for Final</td>
</tr>
</tbody>
</table>

The final exam will be held Monday 12/15/08 at 12 noon in Shields 203.

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