COURSE SYLLABUS
ME 101
Fall 2016

INSTRUCTOR
Adrian Garcia

TA
To be Announced

OFFICE HOURS AND CONTACT INFORMATION
MF – 4:00 -5:00pm
Sat – 8:00 -9:00am
And by appointment
Room E221B
E-mail: Adrian-510@sbcglobal.net

REQUIRED TEXTBOOKS AND SOFTWARE
• Johnston, T., ME 101 Supplemental Course Materials, Montezuma Publishing, 2012
• Jensen, Solid Modeling 1 – Custom Edition for ME 101 7th Ed, Cengage/Thomson Learning
• SolidProfessor, DO NOT PURCHASE

SUPPLIES
• USB Thumb Drive 4GB (Put your name on or in it)

RELATION TO CURRICULUM
• Level – First Semester
• Prerequisites - None
• Credits - 2 (Lab)

STUDENT LEARNING OUTCOMES
• Develop basic to intermediate parametric, solid modeling design skills using Pro/Engineer (Creo Elements 5.0) and SolidWorks 2011-2012 Software
• Develop basic to intermediate understanding of engineering documentation including sketching, orthographic views, linetypes, dimensioning, thread notation, basic dimensional and general tolerancing using Pro/Engineer and SolidWorks Software as per ASME Y14.5M-1994 standards
• Discuss the need to keep up with current versions of CAD software and to be able to learn new software quickly throughout your entire career
ABET PROGRAM OUTCOMES
5. an ability to identify, formulate, and solve engineering problems
7. an ability to communicate effectively
9. a recognition of the need for an ability to engage in life-long learning
11. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

COURSE CONTENT

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<tr>
<th>SUBJECT</th>
<th>TOOL</th>
<th>DURATION</th>
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</thead>
<tbody>
<tr>
<td>Obtain Domain Accounts</td>
<td>Engineering2 Accounts</td>
<td>1 Week</td>
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<tr>
<td>Pro/Engineer</td>
<td>Pro/Engineer</td>
<td>10 Weeks</td>
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<tr>
<td>• Modeling</td>
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<td>• Assemblies</td>
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<td>• Drawings</td>
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<tr>
<td>SolidWorks</td>
<td>SolidWorks</td>
<td>4 Weeks</td>
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<tr>
<td>• Modeling</td>
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<td>• Assemblies</td>
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<td>• Drawings</td>
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<tr>
<td>Documentation Standards</td>
<td>Textbook Assignments and Quizzes</td>
<td>Throughout Course</td>
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TOTAL: 15 Weeks

CLASS POLICIES
- Lectures will be given at the beginning of most class periods to explain new material and assignments.
- Assignments are due at the end of the assigned class period.
- Students must use the Same Filenames for Parts, Drawings, Assemblies and their related folders as specified on the assignments.
- Not all work can be completed in class time. Extra time in our lab, or at home is required.
- Pro/Engineer and SolidWorks Student Software
  - Check Blackboard Site for various free deals on both software
- There will be quizzes, pop quizzes, a mid-term examination and a final examination.
- Tests, quizzes and assignments can ONLY be made up with a reasonable excuse.
- Students share the responsibility of checking their class scores.
- Back up all important files on your USB Thumb Drive.
- Points will be removed for talking during lecture.
- Contact the instructor via E-Mail if you are going to be absent.
GRADING PROCEDURES

- Final grade is based on a percentage of the total possible points (no curve).
- Late assignments will be automatically lowered 50% of their total possible points and lowered 10% per class meeting after that.
- A few extra points may be earned by good attendance and class participation (don’t wait until the end of the semester). No extra credit assignments.

Show Up, Keep Up & Pay Attention!