COURSE SYLLABUS
ME 101
Spring 2015

INSTRUCTOR
Tom Johnston

TA
To be Announced

OFFICE HOURS AND CONTACT INFORMATION
W, F – 11:00 -12:00
Room E221B
E-mail: johnston@engineering.sdsu.edu.
Phone: 619.594.3482

TEXTBOOKS
• Johnston, T., ME 101 Supplemental Course Materials, Montezuma Publishing, 2015
• Jensen, Solid Modeling 1 – Custom Edition for ME 101 7th Ed, Cengage/Thomson Learning
• SolidProfessor, SolidProfessor - SolidWorks Tutorials

SOFTWARE
• Creo and SolidWorks Student Software
  o Check Blackboard Site for free software

SUPPLIES
• USB Thumb Drive (Put your Name/Section on it)

RELATION TO CURRICULUM
• Level – First Semester
• Prerequisites - None
• Credits - 2 Semester Hours

STUDENT LEARNING OUTCOMES
• Develop basic to intermediate parametric, solid modeling design skills using Creo Parametric 3.0 and SolidWorks 2014-2015 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

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>TOOL</th>
<th>DURATION</th>
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<tbody>
<tr>
<td>• Obtain Domain Accounts</td>
<td>Engineering 2 Accounts</td>
<td>1 Week</td>
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<tr>
<td>Pro/Engineer</td>
<td>Creo</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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<td><strong>TOTAL:</strong></td>
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<td><strong>15 Weeks</strong></td>
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## CLASS POLICIES
- Lectures will be given to explain new material and assignments.
- Assignments are due at the **Beginning** of the assigned class period. Checkoffs will be done during the first hour.
- All assignments and projects are due on the Due Date – No Late Work Accepted
- Tests, quizzes and assignments can ONLY be made up with a reasonable excuse.
- Contact the instructor via E-Mail if you are going to be absent.
- Most assignments are turned in/checked off on the computer
- 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.** The open lab schedule is posted in the lab and on the class website.
- There may be quizzes, pop quizzes, a mid-term examination and a final examination.
- Students share the responsibility of checking their class scores.
- Back up all files and folders on your USB Thumb Drive and at least one other location.
- Points will be removed for talking during lecture.
- Cheating and Plagiarism - Automatic 0 Points on the assignment. Dealt with by the Department, Dean's Office and the Office of Judicial Review

## 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 & Perform!**
For Students with Disabilities
If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact Student Disability Services at (619) 594-6473. To avoid any delay in the receipt of your accommodations, you should contact Student Disability Services as soon as possible. Please note that accommodations are not retroactive, and that I cannot provide accommodations based upon disability until I have received an accommodation letter from Student Disability Services. Your cooperation is appreciated.