COURSE SYLLABUS
ME 101
Spring 2017

INSTRUCTOR
Tom Johnston

TA
To be Announced

OFFICE HOURS AND CONTACT INFORMATION
Monday, Wednesday: 10:00 -11:00
Room E221A
E-mail: johnston@engineering.sdsu.edu.
Phone: 619.594.3482

TEXTBOOKS
• Johnston, T., ME 101 Supplemental Course Materials, Montezuma Publishing, 2017 (R)
• Jensen, Solid Modeling 1 – Custom Edition for ME 101 7th Ed, Cengage/Thomson Learning (O)
• SolidProfessor, SolidProfessor - SolidWorks Tutorials (O)

SOFTWARE
• CREO Schools Edition and SolidWorks Student Engineering Kit (SEK) Software
  o Check Blackboard Site for the free software

SUPPLIES
• USB Thumb Drive

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 2016-2017 Software
• Develop basic to intermediate understanding of engineering documentation including sketching, orthographic views, linetypes, dimensioning, thread notation, basic dimensional and general tolerancing using CREO and SolidWorks Software as per ASME Y14.5M-2009 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

ACREDIDATION (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>
</tr>
</thead>
<tbody>
<tr>
<td>• Obtain Accounts</td>
<td>Engineering Domain</td>
<td>1 Week</td>
</tr>
<tr>
<td></td>
<td>Accounts</td>
<td></td>
</tr>
<tr>
<td>CREO</td>
<td>CREO</td>
<td>7 Weeks</td>
</tr>
<tr>
<td>• Modeling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Assemblies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Drawings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SolidWorks</td>
<td>SolidWorks</td>
<td>7 Weeks</td>
</tr>
<tr>
<td>• Modeling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Assemblies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Drawings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Documentation Standards</td>
<td>Textbook Assignments and Quizzes</td>
<td>Throughout Course</td>
</tr>
</tbody>
</table>

**TOTAL:** 15 Weeks

CLASS POLICIES

- Videos and Lectures will be provided to explain new material and assignments.
- Treat this class as a job where you work for me.
- **Assignments are due** and checked off at the **Beginning** of the assigned class period.
- All assignments and projects are due on the Due Date
  - No Late Work Accepted without Prior Approval (Up to 3X Per Semester)
  - Contact the instructor (or TA’s) via E-Mail for Prior Approval Before the Due Date if you are going to be absent. Include Information below or Prior Approval will NOT be Given:
    - Full Name, Course and Section Number
    - Reason for Absence
  - Use a Gmail Account – Yahoo, Hotmail, Etc. tend to go to SPAM
- Assignments, Tests and Quizzes and assignments can ONLY be made up with Prior Approval.
- Most assignments are turned in/checked off on the lab computers.
- 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 Blackboard website.
- There may be pop quizzes, a mid-term examination and a final examination.
- Students share the responsibility of checking their class scores
- Required (R) Materials including online materials must be purchased or points will not be given for assignments from those materials.
- **Save to Z: Drive AND Back up all files** and folders on a USB Thumb Drive, Google Drive, Dropbox, Etc. AND Home Computer/Laptop. “Lost” work is not an excuse for late work.
- Points will be removed for talking during lectures and No use of Headphones/Ear Buds during Lectures.
- All Online (Blackboard) Quizzes must be taken in the Lab on Lab Computers at the time the quiz is given. **During Quizzes** – Backpacks will be placed between students, Cell Phones, Laptops Etc. put away.
- **Cheating and Plagiarism** - Automatic 0 Points on the assignment. Dealt with by the Department, Dean’s Office and the Office of Judicial Review
  - We will be checking file histories and Related Usernames. Create a home computer/laptop account in Your Name.
GRADING PROCEDURES

- Final grade is based on a percentage of the total possible points (no curve).
- 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.

Grading Percentages

<table>
<thead>
<tr>
<th>Grade</th>
<th>Minimum Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90</td>
</tr>
<tr>
<td>A-</td>
<td>87</td>
</tr>
<tr>
<td>B+</td>
<td>83</td>
</tr>
<tr>
<td>B</td>
<td>80</td>
</tr>
<tr>
<td>B-</td>
<td>74</td>
</tr>
<tr>
<td>C+</td>
<td>66</td>
</tr>
<tr>
<td>C</td>
<td>60</td>
</tr>
<tr>
<td>C-</td>
<td>57</td>
</tr>
<tr>
<td>D+</td>
<td>53</td>
</tr>
<tr>
<td>D</td>
<td>50</td>
</tr>
</tbody>
</table>

Show Up, Keep Up, Pay Attention & Perform!

SYLLABUS STATEMENT 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.