Engineering 1181 / 1182

Fundamentals of Engineering

Student Resources Guide
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I.Course Materials
   a. EEIC Courses Website (https://eeiccourses.engineering.osu.edu/)
      i. Purpose
         The EEIC Courses Website is the central location for all course materials. All course preparation and assignment material can be found on the website. This material should be used to prepare for each class/lab and to complete assignments. It is highly recommended that students place this website under favorites as they will routinely use it during the semester.
      
   ii. Organization
         1. Main Home Page → Courses (ENGR 1181/1182)

            Engineering Education Innovation Center
            Welcome to the EEIC Courses Website!
            Autumn Semester 2013

            | ENGR | Course Description          |
            |------|-----------------------------|
            | 1181 | Fundamentals of Engineering I|
            | 1182 | Fundamentals of Engineering II|
            | 4891-10 | Seminar on Creativity and Innovation|
            | 4891-20 | Seminar on Sustainability|

         2. ENGR 1181/1182 Home Page → Schedule #

            Sections, Meeting Times and Class Schedules

            | Class | Section | Day     | Time | Room | Day Time | Room | Schedule |
            |-------|---------|---------|------|------|---------|------|----------|
            | 1181.01 | 10 (8066) | Mon Wed | 8:00-8:55 | 308 | Thur 8:00-9:20 | 224 | Schedule 1 |
            | 1181.01 | 12 (8068) | Mon     | 9:10-10:05 | 224 | Wed 8:00-9:20 | 224 | Schedule 2 |
            | 1181.01 | 14 (8070) | Mon Wed | 10:20-11:15 | 308 | Thur 9:35-10:55 | 224 | Schedule 1 |
            | 1181.01 | 16 (8072) | Mon Wed | 11:30-12:25 | 308 | Thur 11:30-12:30 | 224 | Schedule 1 |
            | 1181.01 | 18 (8074) | Mon Wed | 12:40-1:35 | 308 | Thur 12:45-2:05 | 224 | Schedule 1 |
            | 1181.01 | 20 (8076) | Mon Wed | 1:50-2:45 | 308 | Tue 2:20-3:40 | 224 | Schedule 3 |
            | 1181.01 | 22 (8078) | Mon Wed | 3:00-3:55 | 308 | Thur 3:20-4:40 | 224 | Schedule 1 |
            | 1181.01 | 24 (8080) | Mon Wed | 4:10-5:05 | 308 | Thur 3:55-5:15 | 224 | Schedule 1 |
            | 1181.01 | 26 (8082) | Tue Thur | 8:00-8:55 | 308 | Fri 8:00-9:20 | 224 | Schedule 4 |
3. ENGR 1181/1182 Class Schedule # → Class/Lab Links

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Day</th>
<th>Room</th>
<th>Link</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Aug 21</td>
<td>Wed</td>
<td>308</td>
<td>Class 1</td>
<td>Introduction to Engineering</td>
</tr>
<tr>
<td></td>
<td>22</td>
<td>Thur</td>
<td>224</td>
<td>Class 2</td>
<td>Introduction to Problem Solving</td>
</tr>
<tr>
<td>2</td>
<td>27</td>
<td>Tue</td>
<td>308</td>
<td>Class 3</td>
<td>Team Building</td>
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<tr>
<td></td>
<td>28</td>
<td>Wed</td>
<td>308</td>
<td>Class 4</td>
<td>Introduction to Technical Communications</td>
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<tr>
<td></td>
<td>29</td>
<td>Thur</td>
<td>224</td>
<td>Lab 1</td>
<td>Marble Delivery System Lab</td>
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<td></td>
<td>30</td>
<td>Fri</td>
<td></td>
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<tr>
<td>3</td>
<td>Sep 2</td>
<td>Mon</td>
<td></td>
<td></td>
<td>Labor Day</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>Tue</td>
<td>308</td>
<td>Class 5</td>
<td>Excel - Graphing</td>
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<tr>
<td>4</td>
<td>5</td>
<td>Wed</td>
<td>308</td>
<td>Class 6</td>
<td>Excel - Data Analysis</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>Thur</td>
<td>224</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>9</td>
<td>Mon</td>
<td>308</td>
<td>Class 7</td>
<td>Data Collection</td>
</tr>
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4. Class/Lab Links → Class/Lab Materials

Class 7 - Data Collection

Autumn Semester 2013

1181 Website Home
1181 Website Content
1181 Class Schedules 1, 2, 3, 4, 5, 6

Assignments due at the beginning of class: Beam Deflection Graph Assignment, printout

Things to do / read / study / learn before class:
1. Read the PDF document on Data Collection
2. Read the Pre-Class slides
3. Take the Carmen quiz on Data Collection
4. Watch the video on how to use dial calipers

In-class activities:
1. Instructor’s Powerpoint - Data Collection Powerpoint
2. Start working on Data Collection Homework

Assignments to be completed after class: Complete Data Collection Homework - Due at the beginning of Class 8

Link to the previous class: Class 6 - Excel - Data Analysis
Link to the next class: Class 8 - Ethics Preview + Analyzing Measurement Data
Link to the next Lab: TBD
5. Content → General Class Documents

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<td>1181 Website  <a href="#">Content</a></td>
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<td>Student Success Guide</td>
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<td>Academic Misconduct</td>
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<tr>
<td>/techcommunicationguide</td>
<td>Technical Communication Guide</td>
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<tr>
<td>/remoteaccess</td>
<td>Remote Internet Access to Hitchcock Hall</td>
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<tr>
<td>/laptopagreement</td>
<td>Lab Participation Agreement Form</td>
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<td>/sigfigmodule</td>
<td>Significant Figures Reading Module</td>
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6. Content → Instructional Staff Information

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<td>1181 Website  <a href="#">Content</a></td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Section</th>
<th>Class</th>
<th>Lab</th>
<th>Time</th>
<th>Instructor</th>
<th>GTA</th>
<th>UTA</th>
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</thead>
<tbody>
<tr>
<td>1181.01</td>
<td>10</td>
<td>Mon Wed Thu</td>
<td>8:00</td>
<td>Annie Abell.9</td>
<td>Russ Steck.6</td>
<td>Ben Jelen.5</td>
<td>Cody Allison.178</td>
<td>Rachel Meyer.690</td>
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b. Carmen Course Page (https://carmen.osu.edu/)

i. News Items
   - Read important course or campus-related announcements *(review daily).*

ii. Grades
   - Check your grades under Gradebook.

iii. Activities
   - Dropbox: Submit electronic copies of assignments if requested by the instructor.
   - Quizzes: Complete journals and required quizzes for class/lab.

iv. Calendar
   - Check due dates for quizzes and journals.

v. Email/Text Notifications
   - Students can choose to receive email/text notifications from the Carmen Course Page for items i – iii.
   *(See the following website for more details: http://digitalunion.osu.edu/2012/12/06/carmen-home-notifications/)*

c. Textbooks
   There are several required textbooks for this course. *(See the syllabus for a complete list of required textbooks and locations to purchase them on EEIC Courses Website under “Content” for more details: https://eeiccourses.engineering.osu.edu/)*
d. Software
   i. MATLAB

   A copy of this software is provided by the College of Engineering for use in ENG 1181. MATLAB download instructions can be found on the eeicourses website “Content” – “/matlabdownload”:
   URL:  eeicourses.engineering.osu.edu/1181/matlabdownload

   ii. SolidWorks

   A free one year copy of this software is provided by the College of Engineering for use in ENG 1182. (See your Carmen Content page for detailed downloading instructions)

II. Course Support
   a. First-Year Engineering Computer Lab
      i. Description
         1. In addition to your classrooms and labs, you will have access to the First-Year Engineering Computer Lab located in Hitchcock Hall 324. This lab can be used for completing assignments and lab reports, as it contains MATLAB, SolidWorks, and Microsoft Office (Word, Excel and PowerPoint).

         2. The First-Year Engineering Computer Lab contains 66 workstations (Windows 7) with 4 printers. Every First-Year Engineering student has a quota of 100 free prints per week. Students can remotely access their personal accounts on these workstations. (See “Remote Access” below for more details)

      ii. Access
         1. The First-Year Engineering Computer Lab is unlocked during the following hours: Monday – Friday 7:30 am – 5:30 pm and is accessible using your BuckID during all other hours.
2. Access to Hitchcock Hall is available after hours and on the weekends through the north side entrance (along Woody Hayes Drive) using your BuckID.

3. Make sure you have access to the building and computer lab when it is locked, by using your BuckID. (Contact Mr. Dan Vehr [vehr.1@osu.edu] in Hitchcock Hall 317 for questions/problems concerning access to the building or computer lab.)

iii. Computer Password Requirements
The Ohio State University has determined that your new password must meet the following requirements:

1. **At least eight (8) characters in length.**

2. **At least three of the four categories:**
   a. Uppercase characters (A through Z)
   b. Lowercase characters (a through z)
   c. Numbers - base 10 digits (0 through 9)
   d. Punctuation characters (!, $, #, % and ‘Alt’ combinations)

3. **Cannot contain your name** (Amy Jones can’t have ‘amy’ or ‘jones’ in the password).

4. **Not used previously** for your ENGR1 account.

b. UTA Tutoring Service
The UTA Tutoring Service is available in Hitchcock Hall 324. There will be a UTA stationed at the tutoring desk (near the door). Students may ask for help on questions about the labs, lectures, homework, quizzes, and exams. The UTA Tutoring Service is available during the following hours:
Monday – Thursday 9 am – 7 pm & Friday 9 am – 1 pm

c. GTA/Instructor Office Hours
i. Description
Instructors and GTAs will be available for a few hours each week to assist you outside of class/lab. Instructional staff will not answer direct homework or lab questions, but they can assist you in your understanding of concepts, if needed.

ii. Access
Instructors have their offices on the 2nd floor of Hitchcock Hall. GTAs have their office in Hitchcock Hall 342. (See your Carmen
course home page for your Instructor’s and GTA’s office hours. Instructors and GTAs are also available through scheduling appointments via email.

d. File Storage
   i. Class Drive
      A 3GB storage space is available on the (Z:) drive of your personal accounts. You may save all your class related documents here. Students can remotely access the (Z:) drive of their personal accounts. (See “Remote Access” below for more details)

   ii. Cloud Storage Mediums (Optional)
      The following cloud storage mediums provide an easy way to store, share, view, and edit files and folders:
      1. Buckeye Box
         This medium is offered through The Ohio State University. A storage space of 50 GB is available. Students can access Buckeye Box using their OSU login credentials. (See the following website for more details: https://box.osu.edu/)

      2. Dropbox
         A storage space of 2 GB is available through Dropbox. (See the following website for more details: https://www.dropbox.com/)

      3. Google Drive
         A storage space of 5 GB is available through Google Drive. (See the following website for more details: https://drive.google.com/)

   iii. Personal USB Drives (Optional)
      1. These, if lost, can be picked up from the Lost & Found located at the front desk in Hitchcock Hall 244. Lost USB drives will not be kept indefinitely.

      2. Students are strongly encouraged to include the completed ‘Flash Drive Owner’s Name’ file on their personal USB drives to identify them in case they are lost. (See the EEIC Courses Website under “Content” for this file: https://eeicourses.engineering.osu.edu/)
e. Technical Writing Resources
   i. Technical Communication Resources and Consulting (TCRC)
      The TCRC operates as a general resource for technical writing and communication in the College of Engineering. (See the following website for more details: http://eeic.osu.edu/tcrc)

   ii. Center for the Study and Teaching of Writing (CTSW)
      Students can call 614-688-6429 to make an appointment or drop by the center at Mendenhall Lab 475 or schedule through the website. (See the following website for more details: http://cstw.osu.edu/writingcenter)

   iii. Purdue University Online Writing Lab (OWL)
      The Purdue University Online Writing Lab (OWL) houses several writing resources. (See the following website for more details: http://owl.english.purdue.edu/owl/section/1/19/)

f. File Sharing Resources
   i. Remote Access
      1. Remote Access provides you with access to contents on the class drive and your personal account when you are outside of Hitchcock Hall. By using remote access, you can locate the same files and programs (MATLAB and SolidWorks) that are available in the classroom environment. (See the EEIC Courses Website under “Content” for more details: https://eeiccourses.engineering.osu.edu/)

      2. If you have questions or difficulties with the Hitchcock remote computer resources, please stop by the computer staff office in Hitchcock Hall 317, or email R1exec@osu.edu to obtain assistance.

   ii. TeamViewer
      TeamViewer is a remote control application that provides you with the ability to share your desktop for meetings, presentations or team work. (See the EEIC Courses Website under “Content” for more details: https://eeiccourses.engineering.osu.edu/)
g. Engineering Career Services (ECS)
   ECS is the primary resource connecting Ohio State engineering students and employers. It provides assistance to students who are seeking co-op, internship, and career opportunities. (See the following website for more details: http://ecs.osu.edu/)

h. Campus Libraries
   Several reference books are available through the OSU library system. (See the following website for more details: http://library.osu.edu/)