WELCOME TO

Jim Schaaf
Associate Dean of Undergraduate Studies
Summer 2018
PRESENTATION OVERVIEW

• Student life in the College of Engineering
• Strategies for your success as a student and engineer
• Resources
• Opportunities to get involved
SUCCESS IN CREATING SOLUTIONS

Engineers solve problems
SUCCESS IN CREATING SOLUTIONS

Engineers create solutions for the good of humanity and the needs of society

• Being an engineer requires a great deal of responsibility

• When the discipline is practiced ethically and done well, engineers can command considerable respect by their peers and society
BLUEPRINT FOR YOUR SUCCESS

Build an educational foundation

Build your understanding to complete your degree

Build a support network
BUILD AN EDUCATIONAL FOUNDATION

- Design and Application
- Engineering, Science Specialization
- Math, Physics, Engineering Fundamentals
- Math, Science, Communication

Build an educational foundation | Build your understanding to complete your degree | Build a support network
## A “TYPICAL” 10-WEEK QUARTER SCHEDULE

<table>
<thead>
<tr>
<th>WEEK</th>
<th>Activities and Assignments (typical 4 unit class)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Three 50-minute Lectures, One 50-minute Discussion</td>
</tr>
<tr>
<td>2</td>
<td>Three 50-minute Lectures, One 50-minute Discussion, Graded Homework Due, Quiz</td>
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<tr>
<td>3</td>
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<tr>
<td>Finals</td>
<td>Two-hour Final Exam</td>
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<tr>
<td>2</td>
<td>Graded homework, quiz</td>
<td>Draft due</td>
<td>Lab report, including pre- and post-labs</td>
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<tr>
<td>3</td>
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<td>Midterm, Paper due</td>
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<td>4</td>
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<td>Lab, homework</td>
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<td>Exam</td>
<td>Portfolio/Paper, Exam</td>
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Build an educational foundation | Build your understanding to complete your degree | Build a support network
MAKING IT WORK

• Weekly study time
  • 2-3 hours for each hour of lecture
  • 1 hour for each hour of discussion
  • 1 hour for each 2-3 hours of lab

= 50-60 hours of class and study time per week
GO TO CLASS – BEYOND ATTENDANCE

• Preview material that will be covered
• Attend every session
• Arrive on-time
• Actively participate
  ✓ PRO-TIP: Put your phone on airplane mode
AFTER CLASS

• Review lecture notes and material regularly

• Attend Office Hours
  • Introduce yourself!
  • Ask questions
  • Review exams

• Tutoring
  • Teaching Assistants (TAs), departments, Academic Assistance and Tutoring, and/or residence halls

• Study alone AND with friends
BUILD YOUR UNDERSTANDING TO COMPLETE YOUR DEGREE
• Full-time students must be enrolled in 12 or more units
• Entry Level Writing Requirement (ELWR)
• American History & Institutions (AHI)
• General Education (GE)
WHY GENERAL EDUCATION (GE)?

- To develop critical thinking skills across disciplines
- General Education (GE) classes give students the ability to explore subjects in the areas of:
  - Arts & Humanities
  - Science & Engineering
  - Social Sciences
GE REQUIREMENTS: TOPICAL BREADTH COMPONENT

• Arts & Humanities (AH)
• Science & Engineering (SE) – Fulfilled by major courses
• Social Sciences (SS)

AH + SE + SS ≥ 52 units*

Each area minimum = 12 units
Each area maximum = 20 units

*For students in the College of Engineering:
AH + SS ≥ 32 units because SE = 20 units

Advanced Placement (AP) ≠ General Education (GE)
GE REQUIREMENTS: CORE LITERACY COMPONENT

- **Literacy with Words and Images (≥12 units)**
  - Writing Experience (WE)* and Oral Literacy (OL)** ≥ 9 units
    - *WE must be earned after satisfaction of ELWR
    - **OL can be no more than 3 of the 9 units
  - Visual Literacy (VL) ≥ 3 units

- **Civic and Cultural Literacy (≥ 9 units)**
  - American Cultures, Governance, and History (ACGH) ≥ 3 units
  - Domestic Diversity (DD) ≥ 3 units
  - World Cultures (WC) ≥ 3 units

- **Quantitative Literacy (≥ 3 units)**
- **Scientific Literacy (≥ 3 units)**
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- **Quantitative Literacy (≥ 3 units)**

- **Scientific Literacy (≥ 3 units)**
GE REQUIREMENTS

• Courses can be counted once for Topical Breadth AND once for Core Literacy
GE REQUIREMENTS

Courses can be counted
1x for Topical Breadth + 1x for Core Literacy

ENG 3: Intro to Engineering Design
Oral Literacy (OL)
Science & Engineering (SE)
Social Sciences (SS)
Could be used for OL + (SE or SS)
CHOOSING COURSES

• Prerequisites
• Each student has their own schedule
• Advice is personalized based on major, placement scores, student goals, and performance
• Work with your advisors to select the best courses for you
CHOOSING COURSES

Course: Intro to Engineering
CRN: 21616
Section: ENG 001 001
Units: 1
Instructor: J. Schaaf

Course Alerts/Notes:
** PASS 1: OPEN TO FRESHMEN IN THE COLLEGE OF ENGINEERING **
** PASS 2: OPEN TO FRESHMEN **

Description: Introduction to the role of engineers in the acquisition and development of engineering knowledge, the differences and similarities among engineering fields, and the work ethic and skills required for engineering.

New GE Courses (Start Fall 2011 catalog rights): SE
Final Exam: 12/13/2018 10:30 AM
Course Materials: UC Davis Bookstore
Course Drop Date: 10/23/2018 (20 Day Drop)
View the UC Davis online catalog

12:10 PM – 1:00 PM  F  Lecture  Wellman Hall 2
## CHOOSING COURSES

<table>
<thead>
<tr>
<th>CRN</th>
<th>Subj Course Sec:Title</th>
<th>Open / Waitlist: Units:</th>
<th>Instructor(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>21618</td>
<td>ENG 003 Intro to Engr Design A01</td>
<td>0 / 0 4</td>
<td>J. Mullin</td>
</tr>
</tbody>
</table>

**Course Alerts/Notes:**
- **PASS 1: OPEN TO LOWER DIVISION STUDENTS IN THE COLLEGE OF ENGINEERING**
- **PASS 2: OPEN TO STUDENTS IN THE COLLEGE OF ENGINEERING**

**Description:** Introduction to the engineering design process that incorporates the development of oral and written communication skills integral to the design process. Conducted in workshop format with hands-on engagement in the design process.

**Prerequisites:** Must have satisfied the Entry Level Writing Requirement (ELWR).

**New GE Courses (Start Fall 2011 catalog rights):** OL,SE,SS
**Former GE Credit (Prior to Fall 2011 catalog rights):** SE,SS

**Final Exam:** 12/13/2018 3:30 PM
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<table>
<thead>
<tr>
<th>Time</th>
<th>Days</th>
<th>Type</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 AM - 9:50 AM</td>
<td>M,W</td>
<td>Lecture</td>
<td>The Grove (Surge III) 1309</td>
</tr>
<tr>
<td>10:00 AM - 11:50 AM</td>
<td>T</td>
<td>Studio</td>
<td>Kemper Hall null</td>
</tr>
</tbody>
</table>

Build an educational foundation | **Build your understanding to complete your degree** | Build a support network
• 180 units minimum
• 2.0 Overall and 2.0 Engineering GPA
• University, College & Major Requirements, including GE
BUILD A SUPPORT NETWORK

Build an educational foundation | Build your understanding to complete your degree | Build a support network
FIRST YEAR SUCCESS STRATEGIES

✓ Practice Good Time Management
✓ Use Tutoring Resources
✓ Work with your Peers
✓ Meet with Faculty
☐ Meet with Advisor(s)
ADVISING AT UC DAVIS

Faculty Advisors

Peer Advisors

Major Advisors

Engineering Undergraduate Office (EUO) Advisors

YOU

Build an educational foundation | Build your understanding to complete your degree | Build a support network
## Advising at UC Davis

<table>
<thead>
<tr>
<th>Who do you see if you...</th>
<th>EUO Advisor</th>
<th>Major Advisor</th>
<th>Peer Advisor</th>
<th>Faculty Advisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Want to change majors</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Do poorly on a test</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Fail a class</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Have to miss class</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Want to get involved with research or find an internship</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Want to drop a class</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Want to change your schedule</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Want to join a club</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Need a study group</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Are interested in learning more about the major</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>
You will learn more about your major at your department advising session.
ENGINEERING UNDERGRADUATE OFFICE (EUO) ADVISORS

• Support for All Students in the College of Engineering
• Degree Certification
• Change of Major
• Major and Career Exploration
• Student Petitions
• Additional Advising Services

Not sure where to go? – Come to EUO

1050 Kemper Hall
Monday-Friday
8:00am-5:00pm
Drop-in Advising Available most afternoons from 1:00-4:00pm

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YOU HAVE WHAT IT TAKES TO SUCCEED AT UC DAVIS

• You have proven your commitment to academic success
• You have met admissions standards set for success by our faculty
• You have a supportive community of faculty, advisors, and peers who are invested in helping you meet your academic goals
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OPPORTUNITIES FOR STUDENT INVOLVEMENT

Student Clubs

Design Teams and Competitions

Study Abroad

Internships

Research Opportunities
ICE CREAM SOCIAL

Save the Date!

**Thursday, October 4**

2:00-4:00pm

Bainer Hall South Lawn

Student Clubs, Design Teams, and FREE ICE CREAM!
ON BEHALF OF

WELCOME
CLASS OF 2022!
CONTACT US

Engineering Undergraduate Office
1050 Kemper Hall
Monday-Friday
8:00am-5:00pm

engugrad@ucdavis.edu
530-752-1979