WELCOME TO

UC Davis
College of Engineering

Jim Schaaf
Associate Dean of Undergraduate Studies
Summer 2018
• 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
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 a support network

Build your understanding to complete your degree
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>
</tr>
<tr>
<td>3</td>
<td>Two 50-minute Lectures, One 50-minute Discussion, Midterm</td>
</tr>
<tr>
<td>4</td>
<td>Three 50-minute Lectures, One 50-minute Discussion, Graded homework</td>
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<td>10</td>
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</tr>
<tr>
<td>Finals</td>
<td>Two-hour Final Exam</td>
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*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>ENG XXX</th>
<th>WRITING</th>
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<tbody>
<tr>
<td>1</td>
<td>Lectures, Discussion</td>
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<td>Lectures, Discussion</td>
</tr>
<tr>
<td>2</td>
<td>Graded homework, quiz</td>
<td>Draft due</td>
<td>Lab report, including pre- and post-labs</td>
<td>Graded homework</td>
</tr>
<tr>
<td>3</td>
<td>Midterm</td>
<td>Midterm, Paper due</td>
<td>Lab, homework</td>
<td>Midterm</td>
</tr>
<tr>
<td>4</td>
<td>Graded homework</td>
<td>Quiz, draft due</td>
<td>Midterm</td>
<td>In-class presentation</td>
</tr>
<tr>
<td>5</td>
<td>Midterm</td>
<td>Paper due</td>
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<td>Quiz</td>
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<td>Quiz</td>
</tr>
<tr>
<td>10</td>
<td>Graded homework</td>
<td>Paper due</td>
<td>Lab, homework</td>
<td>Group Project due</td>
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# A “Typical” 10-Week Quarter Schedule

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<td>Lab, homework</td>
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<tr>
<td>Finals</td>
<td>Exam</td>
<td>Final Paper, Exam</td>
<td>Exam</td>
<td>Exam</td>
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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
  • To graduate in 2 years, you will need to average more units than this
• Entry Level Writing Requirement (ELWR)
  • Satisfied through transfer admissions requirements
• American History & Institutions (AHI)
  • Be sure your high school transcript is sent to UC Davis Admissions
• General Education (GE)
  • If you have officially satisfied IGETC, you have satisfied GE here at UC Davis
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: TOPOICAL 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)**
GE REQUIREMENTS:
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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
COMPLETING YOUR DEGREE

• 180 units minimum
• 2.0 Overall and 2.0 Engineering GPA
• University, College & Major Requirements, including GE

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BUILD A SUPPORT NETWORK

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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

YOU

Faculty Advisors

Engineering Undergraduate Office (EUO) Advisors

Peer Advisors

Major Advisors

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# 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
TRANSFER WELCOME & ICE CREAM SOCIAL

Save the Dates!

Transfer Welcome
Monday, Sep. 24
12:00-1:30
Kemper Hall Lobby

Ice Cream Social
Thursday, October 4
2:00-4:00 PM
Bainer Hall South Lawn

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

WELCOME
CLASS OF 2020!
CONTACT US

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

engugrad@ucdavis.edu
530-752-1979