WELCOME TO

Dr. David Spight
Director of Undergraduate Affairs
Summer 2019
• Student life in the College of Engineering
• Strategies for your success as a student and engineer
• Resources
• Opportunities to get involved
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, <strong>Quiz</strong></td>
</tr>
<tr>
<td>3</td>
<td>Two 50-minute Lectures, One 50-minute Discussion, <strong>Midterm</strong></td>
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<tr>
<td>4</td>
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<td>10</td>
<td>Three 50-minute Lectures, One 50-minute Discussion, Graded homework</td>
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<tr>
<td>Finals</td>
<td>Two-hour <strong>Final Exam</strong></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>
<td>Graded homework</td>
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<tr>
<td>3</td>
<td>Midterm</td>
<td>Midterm, Paper due</td>
<td>Lab, homework</td>
<td>Midterm</td>
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<tr>
<td>4</td>
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<td>Quiz, draft due</td>
<td>Midterm</td>
<td>In-class presentation</td>
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<td>Finals</td>
<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
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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

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• 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)**
GE REQUIREMENTS:
CORE LITERACY COMPONENT

- **Literacy with Words and Images (≥12 units)**
  - Writing Experience (WE)* and Oral Literacy (OL)** ≥ 9 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

21619  ENG 003 A02  Intro to Engr Design

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.

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
Course Materials: UC Davis Bookstore
Course Drop Date: 10/23/2018 (20 Day Drop)
View the UC Davis online catalog

9:00 AM – 9:50 AM  M,W  Lecture
2:10 PM – 4:00 PM  T  Studio

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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

<table>
<thead>
<tr>
<th>CRN:</th>
<th>Subj Sec:Title:</th>
<th>Open / Waitlist:</th>
<th>Units:</th>
<th>Instructor(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>21616</td>
<td>ENG 001 001</td>
<td>153 / 0</td>
<td>1</td>
<td>J. Schaaf</td>
</tr>
</tbody>
</table>

### 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

** Lecture **

12:10 PM – 1:00 PM

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# CHOOSING COURSES

**Course: Intro to Engr Design**

- **CRN:** 21618
- **Title:** ENG 003 A01
- **Units:** 4
- **Instructor:** J. Mullin

**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

**Course Materials:** UC Davis Bookstore

**Course Drop Date:** 10/23/2018 (20 Day Drop)

View the UC Davis online catalog

- **Time:** 9:00 AM – 9:50 AM, 10:00 AM – 11:50 AM
- **Type:** M, W, T
- **Location:** Lecture: The Grove (Surge III) 1309, Studio: Kemper Hall null

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COMPLETING YOUR DEGREE

- 180 units minimum
- 2.0 Overall and 2.0 Engineering GPA
- University, College & Major Requirements, including GE
BUILD A SUPPORT NETWORK

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FIRST YEAR SUCCESS STRATEGIES

✓ Practice Good Time Management
✓ Use Tutoring and other Campus 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

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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>
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<td>Fail a class</td>
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<td>Have to miss class</td>
<td>✗</td>
<td>✗</td>
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<tr>
<td>Want to get involved with research or find an internship</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
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<tr>
<td>Want to drop a class</td>
<td>✗</td>
<td>✗</td>
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<tr>
<td>Want to change your schedule</td>
<td>✗</td>
<td>✗</td>
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<tr>
<td>Want to join a club</td>
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<td>✗</td>
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<tr>
<td>Need a study group</td>
<td>✗</td>
<td>✗</td>
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<tr>
<td>Are interested in learning more about the major</td>
<td>✗</td>
<td>✗</td>
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</tbody>
</table>
You will learn more about your major at your department advising session

<table>
<thead>
<tr>
<th>Major Advisor</th>
<th>Peer Advisor</th>
<th>Faculty Advisor</th>
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<tbody>
<tr>
<td>✓</td>
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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 3

2:00-4:00pm

Bainer Hall South Lawn

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

WELCOME

CLASS OF 2023!
CONTACT US

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

engugrad@ucdavis.edu
530-752-1979