Civil & Environmental Engineering - Overview

- 41 faculty, 278 grads, 540 undergrads
- 31 Professional Engineers & Technical Staff, 24 Postdocs, 13 Administrative and Support Staff
- 5 specialty areas, 65+ grad classes
  - Environmental
  - Water Resources
  - Structural Engineering/Structural Mechanics (SESM)
  - Geotechnical
  - Transportation
- Graduate Students Groups: EWB, GGSS, ASCE, AWWA, SWE
Key CEE People

Lauren Worrell
Grad Coordinator

Chris Cappa
Faculty Grad Advisor

Fabian Bombardelli
Water Resources

Graduate Program Committee (GPC) Area Advisors

Katerina Ziotopoulou
Geotech

Tom Young
Environmental

Miguel Jaller
Transportation

Sashi Kunnath
Structures & Mechanics
Types of Degrees Offered

- Master of Science (MS) Plan I (Thesis option)
- Master of Science (MS) Plan II (Project/exam option)
- Ph.D.

Each degree type has different requirements, which can be found in the Guidance Manual for Graduate Students on the CEE website. These will be discussed in more detail this afternoon.
Advising Overview

- **Area Adviser (GPC Rep)**
  - Default major professor for all MS-II students
  - Advises on coursework
  - Point of contact for all routine academic matters
  - Major professor for all MS-I & PhD students who don’t yet have someone specific

- **Major Professor (Faculty Adviser, PI)**
  - Your mentor
  - *All* MS-I and PhD students must find a major professor
  - Advises you on research, coursework, academic issues in general

- **Graduate Staff Advisor (Lauren)**
  - Point of contact for all routine administrative issues

- **Graduate Adviser (Chris Cappa)**
  - Point of contact for all non-routine matters, academic or otherwise
Advising Overview

- Depends on Degree Objective
- Always consult the Grad Student Handbook!
- MS-I/PhD students should:
  - meet regularly with their Major Professor
  - Develop an initial course plan by end of Fall quarter
- MS-II students should:
  - Complete a [MS Program Checklist](#) by end of Fall quarter
  - Meet with Area Advisor during Fall Advising Week (near end of quarter), prepared with proposed MS Checklist, OR meet with Major Professor
  - Consult with Area Advisor, Grad Coordinator (Lauren) or Grad Advisor (Chris) as necessary
Class Registration & Courses

- You must have **12 units minimum** each quarter

- Typically take **3 classes** (MS-II) or 2-3 (MS-I/PhD) of graded coursework per quarter
  - Undergraduates commonly take 4 courses per quarter...we *strongly* recommend against this

- Fill in additional units by:
  - ECI 296, TTP 281 (seminars) count towards 12 units for the quarter (not towards degree course unit requirement)
  - Research Units: Confirm with the appropriate faculty member (e.g. major professor) before signing up for ECI 299 or 290C
    - Obtain ECI 290C/299 CRNs from Rachel LeBrett each quarter (2009 Ghausi; rmlebrett@ucdavis.edu)
  - Other: PE Course? Seminar in a different program?
How do I know what courses are offered?

• Use the Registrar Course Search Tool to know exactly what will be offered in the upcoming quarter
  • Typically has information only one to two quarters in advance (e.g. W19 is available now, but S19 is not yet)
• A full list of CEE courses is available in the General Catalog
• A spreadsheet of past, current and projected CEE course offerings for the entire current academic year by quarter is available on the Resources for Current Students page (CEE Course Matrix)
• Which non-CEE departments might I want to look to for courses?
  • Math, TTP, Computer Science, Atmospheric Science, Hydrologic Science, Soil Science, BioAg Engineering, Economics, Statistics
The quarter system & graduate courses

• The quarter system (10 weeks + finals) moves *a lot* faster than a semester system

• Important to stay on top of coursework from day one

• Pay attention to time management
  • Especially important for those who are also TA’ing or involved in research

• Many graduate courses do not have final exams, but instead final projects
  • Plan ahead and expect that things will pile up
ECI 290 Seminar: Public Speaking

- Course designed to improve your public speaking and presentation skills in research environments
- Required for all M.S. and Ph.D. students take this course
  - 1 unit course
  - Does not count towards degree unit requirement
- Requirement may be satisfied in various alternative ways:
  - Geotech Special Seminar (289D)
  - EWR Project Course (289C)
  - Area-approved courses
  - Presentation at a conference, etc. with feedback
  - Fill out waiver
Research Seminars

Area-Specific Seminars

• All areas have a research seminar series (e.g. ECI 296)
• Frequency and focus varies by quarter
• Great opportunity to expand your knowledge base
• We strongly encourage you to attend and enroll!

CEE Distinguished Speaker Seminars

• Five per year, one from each research Area
• Cross-departmental...don’t just go to the one in your area
• Typically a reception afterwards!

Oct. 5: Bob Dodds in the Student Community Center
Staff Office Hours & More

Lauren Worrell, 2007 Ghausi Hall
• Generally Monday – Friday: 9-12, 2-5
• If the door is open, feel free to come in!
• Daily schedule will be posted on the door when Lauren is away

Department Office, 2001 Ghausi Hall
• Monday – Friday 8-12, 1-5

Mailbox (folder, 3rd floor, by the elevators)
• For university related mail only

Desk Space
• Availability of individual desks is limited (mostly PhD students).
• Check with your major professor, then request online
• Some areas (e.g. Geotech) manage space independently
Funding Opportunities and Resources

• All US Citizens should fill out the FAFSA
• Fellowships
  • External (e.g. NSF, DOE, Hertz, many others)
  • Campus wide (apply in the fall)
  • Departmental (GPFA)
• Academic Appointments
  • **TA and Reader**: [application on CEE website](#)
    • apply for each quarter you are interested
    • apply to other departments too!
  • **Graduate Student Researcher (GSR)**
    • appointed by individual faculty
  • All academic appointments come with in-state tuition remission + salary
  • Graduate Studies pulls related position from [Aggie Job Link](#)
Teaching Assistantships

- You can request/reserve specific rooms to hold office hours with Roxanne in 2001 Ghausi
- Scheduling is on a first-come basis
- If you have major scheduling challenges, talk with Lauren
- If you have an office, generally do not hold office hours in your office as this is distracting for everyone else
- Be sure to communicate with the instructor to clearly understand expectations and timelines
- **Center for Educational Effectiveness** can provide additional support
  - **TA Handbook**
Important Fall Quarter Dates and Deadlines

• Quarter begins – Sept 24
• Instruction begins – Sept 26
• 10\textsuperscript{th} day of instruction: Oct. 9
  – Last day to submit a part-time application
  – Last day to drop 10-day-drop courses (most UG courses)
• Last day to add courses via SISWEB without a PTA – Oct 11
• Last day to drop 20-day-drop courses – Oct 23
http://registrar.ucdavis.edu/calendar/quarter.cfm

• Graduate Student Final Fee Payment Deadline – Nov 15
https://registrar.ucdavis.edu/calendar/fees.cfm
Finding More Information

• Guidance Manual for Graduate Students and Their Advisers
  – Available on the CEE Website

• Degree Requirements (in Guidance Manual)
  – Available on the CEE Website
  – Will be discussed this afternoon

• Forms
  – Available online on the CEE Website and Graduate Studies Website
  – See Graduate Staff Coordinator (Lauren) for more information on appropriate forms for your program
  – The Graduate Adviser has primary signature authority for all graduate student forms. Submit forms to Lauren to obtain the Graduate Adviser’s signature.
Department Emails

• “Announcement” emails from CEEGHELP
• Fellowships and Scholarships; Employment Opportunities; Professional Development Opportunities; Events; Trainings and Workshops; Happenings in other Departments

Emails from Lauren (Grad Coordinator)

• Key dates, deadlines, important information

Emails from Chris (Grad Advisor)

• Information for the entire program

Emails from the Grad Student Advisory Committee (GSAC)

• "ceegdept@ucdavis.edu" listserv (more later today)
• Subscribe to other listservs too!
Graduate Student Communities

There are numerous ways to get involved across the campus

• Grad Student Advisory Committee (GSAC)
  • student-led committee that works with the faculty
  • provides a voice for students on graduate matters in CEE
  • actively works to improve the graduate student experience within CEE

• Grad Student Association (GSA)
  • Campus wide
  • serves to empower students and build graduate student community through activities and advocacy

• Engineers Without Borders (EWB)

• Geotech Grad Student Society (GGSS)

• Society for Women Engineers (SWE)

• More this afternoon when you can meet representatives!
Mentoring and Wellness

- Mentoring is a two-way street...the key is communication
- Guidelines for mentorship ([Grad Studies](#))
- [Grad Pathways](#): professional development program
- Maintaining a balance between educational pursuits and [wellness](#) is important to success
- Be sure to [manage your stress](#)
- Don’t be afraid to [seek help](#)
GET A **FREE** BIKE HELMET!!!
Todays Agenda

9:30-9:40 Computers/Building Room Access
9:45-10:45 Safety
11-11:45 Area Breakout Sessions (various locations)
11:45-1 Lunch around Ghausi Hall
1-2:30 pm Ensuring your success (Prof. Bronner)
2:30-3 pm MS Program Requirements
3-3:30 pm PhD Program Requirements
3:30-4 pm Student Groups!
4-4:45 Student Panel
5 pm GSAC Happy Hour @ the Grad
Questions?
Computing Resources

Noah Killeen

servicehub.ucdavis.edu
Computer Support

Noah Killeen
Room: 3031 Ghausi Hall
How to contact CEE IT:
http://servicehub.ucdavis.edu
or
CEE-ITsupport@ucdavis.edu

- Lab Print Quota: 100 pages per quarter (please be mindful)
- Box.com – Unlimited file storage (any single file up to 15GB)
- Cloud.ucdavis.edu - Details on all UCD cloud services
- KB.ucdavis.edu - Campus IT Knowledgebase: (How do I use the COE VPN service? How do I use Eduroam with my X device?).
- E-waste disposal? Contact IT FIRST before removing from lab.
Computer Support

- **Software:**
  
  software.engr.ucdavis.edu
  
  and
  
  software.ucdavis.edu

  Where is the best place to find/buy a particular program?
  When in doubt, check with CEE IT

  Information on software already available in COE computer labs (including CEE grad labs in 3030, 3032 and 3034 Ghausi):

  labs.engr.ucdavis.edu

  Access to the COE HPC Cluster:
  Check with CEE IT
  http://tinyurl.com/hw88jcb
DO NOT DOWNLOAD ILLEGAL CONTENT

- This includes movies, TV shows, games and software.
- Simply keeping illegal content to a computer connected to the UCD network is a violation of the UCD acceptable use policy.
- Do not “content scrape” from the library’s journal articles.
- We are required to notify SJA and potentially suspend your access to the university network. More serious legal consequences are possible depending on the violation. Please don’t.