First-Year Advisee Meeting

Monday, August 24, 2009
10:30 AM

ENGRG 1050 – Thorsten Joachims
Introductions

- Faculty Advisor
  - Thorsten Joachims, tj@cs.cornell.edu

- Peer Advisors
  - Brian Harning, blh57@cornell.edu
  - Jonathan Liu, jl892@cornell.edu
  - Susie Lai, sl682@cornell.edu

- First-Year Students
  - ???
Scheduling One-on-One Meetings

- Monday afternoon
  - Michael Brandon, Mengzhe Chang, Jeffrey Cheng, Kathryn Flannigan, Kevin Krieger, Ananya Mishra
  - Anybody who needs to talk before Add/Drop

- Tuesday
  - Everybody else

Course Web Page: 
http://www.cs.cornell.edu/People/tj/engrg1050_fall09/
Students who want to take Major and advanced Major courses before junior & senior years can do so by being creative about the order in which they take courses. Look at course prerequisites and talk to instructors.
Majors (See Undergraduate Handbook)

- Majors: 12 Undergraduate Majors from which to choose.

- Independent Major: An opportunity to design your own engineering-based major. (Visit Engineering Advising, 167 Olin Hall, for details.)

- Students must be successfully “affiliated” with a major (or the Independent Major) by the end of the sophomore year.

Requirements for affiliation and flowcharts for each major begin on page 25.
Minors (See Undergraduate Handbook)


- Applied Economics & Management (AEM) Minor offered by College of Agriculture. Available to Engineering students except OR majors. Application required before beginning the AEM Minor. (Visit Engineering Advising, 167 Olin Hall, for details.)

- Minors/Concentrations in other subjects may also be possible. (For more information, visit the undergraduate office of the subject area in which you are interested.)
Requirements for the BS Degree
(See Handbook, Page 12)

- Mathematics (15-16 credits)
- Chemistry (4-8 credits)
- Physics (8-12 credits)
- Computer Programming (5 credits)
- Intro to Engineering (ENGRI)-(3 credits/1 course)
- First-Year Writing Seminars (6 credits/2 courses)
- Physical Education (2 credits/2 courses) + swim test
- Liberal Studies Distribution (18 credits/6 courses)
- Advisor Approved Electives (6 credits/2 courses)
- Technical Writing Requirement
- Engineering Distribution (ENGRD)-(6 credits/2 courses)
- Major Program+ Electives (48 credits)
- Total Credits Required = 124-134
Fall Course Enrollment

- By now, most students have enrolled in:
  - ENGRG 1050 (Advising Seminar)
  - Appropriate Math
  - Appropriate Science (Chemistry or Physics)
  - ENGRI (Intro to Engineering) or Intro to Computing
  - Optional Academic Excellence Workshop(s) (AEW)
  - First-Year Writing Seminar (FWS)
  - Physical Education (PE)
ENGRG 1050

- Advising Seminar—Assigned by faculty advisor (required)
  - Pre-enrolled by Advising Office
  - Enrollment is locked and cannot be changed without also changing faculty advisor (petition and permission from new advisor required)
  - Other schedule changes should be made around this class, whenever possible
Engineering Math Course

- MATH 1910, 1920, 2930, 2940

- Enrollment is based on:
  - AP, GCE, IB, Transfer Credit
  - Cornell Advanced Standing Exam (optional)
  - Whether or not you wish to accept credit
CHEM 2090

- Enrollment is VERY limited for Fall
- Postpone CHEM 2090 to Spring, if at all possible
- CHEM 2090 Waitlist available at: http://www.chem.cornell.edu/courses/adddrop.asp
- Questions about CHEM 2090 enrollment? Visit Engineering Advising, 167 Olin Hall
Physics

- PHYS 1112 or PHYS 2213
  - Students are strongly encouraged to enroll in physics in the first term if:
    - They have the appropriate math prerequisite or AP credit
    - They are interested in majors which only require one semester of chemistry (which can be taken in spring)
    - Honors versions (1116 and 2217 also available)
Accepting AP Credit for Science?

- Accepting AP/Transfer Credit for CHEM 2090?
  - Consider taking the honors version (CHEM 2150)
  - Consider not taking a science in the Fall term, or take physics if you have the appropriate math prerequisite

- Accepting AP/Transfer Credit for PHYS 1112?
  - Consider taking the honors version (PHYS 1116)
  - Consider not taking a science in the Fall term, and take CHEM 2090 in the Spring
Intro to Computing or ENGRI?

- Most students opt to take one in the Fall, the other in the Spring.

- If you are not taking a science class in the Fall, consider taking BOTH an ENGRI and Intro to Computing this term.

- For those taking Intro to Computing, several options will be explained during the first day of class. (see next slide) Intro to Computing is offered both Fall and Spring semesters.

- Intro to Computing classes tend to be smaller in the Fall, which means more personalized attention. No prior programming experience is required/assumed.
Intro to Computing Options

Students may choose any of the following options, which will be explained on the first day of class.

- CS 1110: Intro to Computing using Java
- CS 1112: Intro to Computing using MATLAB
- CS 1113: Intro to Computing/Java Honors (Not offered in 09-10)
- CS 1114: Intro to Computing/Robotics (MATLAB) — Offered Spring only in 09-10
and…CS Transition Classes

- One-credit courses designed to help students learn/apply a second computing language.
  - Usually taken in the sophomore year
  - Grading is S/U only

- Two options:
  - CS 1130-Transition to OO Programming
    - (for students who took CS 1112 or 1114)
  - CS 1132-Transition to MATLAB
    - (for students who took CS 1110 or 1113)
Academic Excellence Workshops (AEW)-Optional

- AEWs are small group, active-learning sessions that complement core engineering courses (Intro to Computing, CS 2110, CHEM 2090, and all MATH courses)

- AEWs:
  - Meet for two hours each week
  - Utilize upper-class student facilitators
  - Are not remedial; work on material that is at or above the level being taught in lecture

- Enrollment is optional

- For details, visit Engineering Learning Initiatives, 167 Olin Hall or www.engineering.cornell.edu/aew
First-Year Writing Seminar (FWS)

- Most students have already enrolled by the balloting process, July 30-August 9

- Need to change your FWS? Electronic add/drop opens Tuesday, August 25, at 9:00 AM
Physical Education Course Enrollment

- Most students have already enrolled on-line using Student Center

- You may also visit Teagle Hall to sign up in person:
  - Tuesday, August 25, 9 AM-4 PM
  - Wednesday, August 26, Noon-4 PM
  - Last Day to drop a PE class is Friday, September 11th

- Be sure to take your swim test!
  - www.swimtest.cornell.edu
Liberal Studies Requirement
(See Handbook, Page 17)

- Engineering students must complete a minimum of 6 courses/18 credits in at least 3 of the following 6 categories, prior to graduation:
  - Cultural Analysis (CA)
  - Historical Analysis (HA)
  - Literature and the Arts (LA)
  - Knowledge, Cognition, and Moral Reasoning (KCM)
  - Social and Behavioral Analysis (SBA)
  - Foreign Languages (FL)

- At least 2 of the courses must be at the 2XXX-level or higher

- The complete Liberal Studies policy and a comprehensive list of approved courses can be found on the Engineering website at:
  http://www.engineering.cornell.edu/programs/undergraduate-education/degree-requirements/liberal-studies.cfm
By the end of your first year...

- You should have completed (or earned credit for) the following:
  
  - 2 Engineering Math (from 1910, 1920, 2930, 2940)
  - 2 Engineering Science (Chemistry/Physics, or one of each, as appropriate)
  - 1 ENGRI
  - Intro to Computing (CS 1110, 1112, 1113, or 1114)
  - 2 First-Year Writing Seminars
  - 2 PE Classes/pass swim test
  - Have academic plan to meet affiliation criteria for your intended major
Advanced Placement Credit

- Awarded in accordance with College of Engineering/CU Policy (See http://www.engineering.cornell.edu/student-services/academic-advising/academic-information/ap-credit/ap-credit-table.cfm for details.)

- To view your awarded advanced placement credit, please see: http://studentcenter.cornell.edu

- You are not required to accept advanced placement credit. To decline credit, simply enroll in the corresponding Cornell course for which you received advanced placement credit.

- If you have questions about your advanced placement award, please contact the Engineering Registrar’s Office, 158 Olin Hall.
Transfer Credit

- May be offered for courses taken at other colleges/universities if:
  - The course was taught at another college by college faculty (not in the high school) and;
  - The course was not used toward high school graduation requirements and;
  - CU faculty determine that the course is equivalent to a required course at Cornell.
Transfer Credit-To apply…

- Students need to submit:
  - A course description or syllabus for the course
  - An official transcript from the offering institution
  - Letter from the high school stating that the course was taught in a college setting by college faculty, and was not used to meet high school graduation requirements

- Contact Mary Glick in Engineering Advising, 167 Olin Hall, if you wish to apply or have questions about the process.
Engineering Handbook

- Your primary resource for Engineering requirements/information

- Hold on to your copy; You only get one.

- Also available online at:
Add/Drop Process

- Add/Drop most courses using:
  
  http://studentcenter.cornell.edu

- Add/Drop begins Tuesday, August 25 at 9:00 AM
  (If you need help, contact your Peer Advisors.)

- Last day to add a class is September 18 at 4:00 PM;
  last day to drop is October 16th at 4:00 PM