

# Course Schedule - Spring 2007

## Engineering

199 **Undergraduate Open Seminar** credit: 0 to 5 hours.  
May be repeated.

Students registering for a discussion (AD\_) must also register for the lecture (AL1) section.

CRN	Type	Section	Time	Days	Location	Instructor
47664	lecture-discussion	M	01:00 PM - 01:50 PM	T	room 1320 Digital Computer Laboratory	Linnemeyer, S
	lecture-discussion	M	06:00 PM - 07:50 PM	M		Linnemeyer, S
: 3 hours Instructor Approval Required The Mentoring Class is based upon key elements of mentoring, structured study sessions, and professional skill development. The class will meet weekly for a lecture/discussion where academic and professional skills for success will be covered. Freshmen mentees will be matched with mentors, upperclasspersons from same department. Mentee/mentor pairs will meet weekly in a structured study session where tutors will be made available. In addition, the pairs will meet outside of class at least once a week.						
45350	lecture-discussion	RS	03:00 PM - 03:50 PM	R	room 335 Mechanical Engineering Bldg	Linnemeyer, S
45350: 1 hours 1 hour/ A community-based course open to all undergraduates at UIUC. Students work in teams to 1) implement enrichment robotics activities and 2) Develop hands-on activities and robotics for demonstrating different fields of engineering for elementary, middle, and high schoolers. The students will implement these activities within the classroom						
47695	conference	SNC	ARRANGED			Srajek, L
47695: 2 hours Instructor Approval Required						

201 **Cooperative Engr Seminar** credit: 0 hours.

Discussion seminar addressing industrial work reports, online company card reports, on-line ABET reports, the Co-op/Internship Job Fair, the Co-op Information Night, the Co-op Society, and membership in the Co-op Honor Society. Approved for S/U grading only. For on-campus cooperative education students only.

CRN	Type	Section	Time	Days	Location	Instructor
34377	lecture-discussion	J	05:00 PM - 05:50 PM	M	room 1310 Digital Computer Laboratory	Zehr, S
34377: Students returning from a work term give short presentations about their work experience.						

202 **Cooperative Engr Practice** credit: 0 hours.

Off-campus practice of engineering in government or industry. Approved for S/U grading only. For cooperative education students only.

CRN	Type	Section	Time	Days	Location	Instructor
34379	practice	A	ARRANGED			Zehr, S
34379: Instructor Approval Required						
34379: Off-campus full-time practice of engineering in government or industry. Written Work Report, online Intern/Co-op Experience Report, and online ABET Report required.						

210 **Engineering Apprenticeship** credit: 0 hours.

Part-time practice of engineering science in an on-campus research laboratory environment; summary report required. May be repeated. Approved for both letter and S/U grading. Approval of the Director of College of Engineering Work Experience Programs is required.

CRN	Type	Section	Time	Days	Location	Instructor
34380	practice	A	ARRANGED			Beavers, J
34380: Part-time practice of engineering science in an on-campus research laboratory environment; summary report required. May be repeated.						

299 **Engineering Study Abroad** credit: 0 to 15 hours.

Provides campus credit for foreign study and/or provides a mechanism for engineering students to maintain continuous enrollment on this campus. If objective is study abroad for credit, a detailed proposal must be submitted by the student for approval by a committee of the department in which the student is studying and the college office prior to such study abroad. Final determination of credit and its application toward the student's degree is made after a review of the student's work abroad by the above committee and the college office. (Summer Session, 0 to 7.5 hours). Approved for both letter and S/U grading.

CRN	Type	Section	Time	Days	Location	Instructor
34515	conference	A	ARRANGED			Finis, T

300 **Engineering Transfer Lecture** credit: 0 hours.

Orientation required of off-campus transfer students in the College of Engineering. Approved for S/U grading only.

CRN	Type	Section	Time	Days	Location	Instructor
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34509	lecture-discussion	T	05:00 PM - 05:50 PM	W	room 335 Mechanical Engineering Bldg	Ravaioli, U
34509: Meets 16-Jan-07 - 09-Mar-07.						
34509: Required of off-campus transfer students in the College of Engineering. Meets for first three weeks of each term; selected topics.						

310 **Engineering Internship** credit: 0 hours.

Full-time practice of engineering in an off-campus industrial or research laboratory environment. Work report, on-line Company Card Report, and on-line ABET report required. Approved for S/U grading only. Approval of the Director of College of Engineering Work Experience Programs is required.

CRN	Type	Section	Time	Days	Location	Instructor
34511	practice	A	ARRANGED			Zehr, S
34511: Instructor Approval Required						
34511: Full-time practice of engineering in an off-campus industrial or research laboratory environment. Written work report, online Intern/Co-op Experience Report, and online ABET report required. It is expected that students enrolling in this course for the Spring semester will work at least 12 weeks during the semester.						

491 **Interdisciplinary Design Proj** credit: 1 to 4 hours.

The course objective is to provide a disciplined, multi-department project design experience. Teams work on projects with team objectives that have an overall (or major phase) completion date at the end of the semester. Students participate in engineering activities with individual as well as team responsibilities. The projects involve project specification through a proposal, analyses of cost and other tradeoffs among alternative designs, design review, fabrication and assembly, functional and environmental testing, and demonstrations (as applicable). Presentations are made and reports are given at the end of each semester. Lecture-lab format. 1 to 4 undergraduate hours. Senior standing required. Prerequisite: Consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
39190	laboratory	470	04:00 PM - 05:50 PM	M	room 253 Mechanical Engineering Bldg	Miller, N
39190: 3 hours Instructor Approval Required Formula SAE design course. 3 hours						
41432	laboratory	CU2	ARRANGED			Swenson, G
	lecture	CU2	ARRANGED			Swenson, G
: Instructor Approval Required Variable Credit: 1, 2 or 3 hours						
45129	laboratory	EWB	ARRANGED			Litchfield, J

45129: Variable credit: 1,2,3 or 4 hours For Engineers Without Borders team projects. Registration in this section requires involvement in one of the approved EWB projects.

47381	lecture	SD2	ARRANGED			Newell, T; Chapman, P
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47381: 3 hours Solar Decathlon. Students will design and build a solar-powered house and compete with other collegiate institutions from around the world in the Solar Decathlon 2007. The solar home will be constructed on campus during 2006 and 2007. Discuss your enrollment in the course with the instructor for prerequisite evaluation.

510 **Engineering Practice** credit: 0 hours.

Practice type course. May be repeated. Approved for S/U grading only. Approval of the Director of College of Engineering Work Experience Programs is required.

CRN	Type	Section	Time	Days	Location	Instructor
34517	practice	A	ARRANGED			Zehr, S

34517: Instructor Approval Required

34517: Full-time practice of engineering in an off-campus industrial or research laboratory environment. Written work report, online Intern/Co-op Experience Report, and online ABET report required. It is expected that students enrolling in this course for Spring Semester will work at least 12 weeks during the semester.