



EGR 490 - ENGINEERING INTERNSHIP Course Syllabus

DESCRIPTION

Supervised internships at suitable locations in industry and government. Internships must include training and supervision – both at the place of training and at the academic unit. Depending on the company, some internship positions are paid. This valuable work experience provides the student professional training with the opportunity to develop engineering skills in an off-campus setting. A term report is required. Arrangements for the preapproval of the internship course is necessary. **No credits are rewarded retroactively.**

GOALS

An internship is an integral part of engineering education. It provides real-world experience in the profession; enables correlation of classroom learning with applications in industry; broadens understanding of the types of employment available in the field; helps the student discover individual interests; builds resume credentials; and develops relationships between UMass Dartmouth and industrial companies.

OUTCOMES

Upon completion of the internship, the student will (ABET student outcome within parenthesis):

1. Develop practical engineering skills and judgment (7)
2. Communicate effectively (3)
3. Discover own interest within the major
4. Build resume credentials upon graduation for competitive and full-time positions.

DELIVERABLES

A final written report is due at the end of the internship, and no later than the last week of classes for the fall and spring semesters, in order to allow time for grading and submitting final grade to the registrar's office. Reports and grades for summer internships should be finalized at least one week before the beginning of fall semester.

The final report should address the following:

- Projects and Duties performed during the semester
- Learning that occurred as a result of the internship, in regard to
 - the engineering profession
 - the particular industry
 - the organization/company
 - the technical skills developed
 - the individual interests and preferences discovered
 - suggestions for curriculum changes in the student's major
- Goals and plans regarding future professional development



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GRADING SAMPLE

Interim Reports (weekly journal emails or myCourses journal discussion) 20%

Final Report 30%

Employer Evaluation 50%

TOTAL 100%

REPORTS TIMETABLE

Interim reports (journal entries) are due periodically throughout the internship, and should be submitted by email, or as specified by the faculty sponsor.