

# CIE 496 – Civil/Env. ENGINEERING INTERNSHIP

Fall, Spring, Summer (12 week session)

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**Prerequisite:** Students must have a “Good Senior Standing” (Senior with Overall and Engineering GPA > 2.0), and already have an internship offer from an engineering company.

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**Faculty Advisor:** Professor Shahid Ahmad, 239 Ketter Hall, e-mail: sahmad@buffalo.edu

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**COURSE DESCRIPTION:** Provides a field experience via working on a Civil or Environmental Engineering project in a practical setting (Private design, consulting and/or construction company office, governmental agency office, construction site, etc.) under the joint guidance of a practicing engineer and a faculty advisor. Projects are selected that integrate the material learned in academic courses at UB. A written report and an oral presentation are required.

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**COURSE OBJECTIVES:** The Engineering Co-op Internship is a work-experience course and is counted as a 1 to 3 credit technical elective in our BS (Civil or Env.) degree programs. It is intended to provide students (Interns) an exposure to the practice of engineering in real world. Interns are expected to work part-time or fulltime a minimum of 84 hours for 1 credit and 252 hours for 3 credits.

Emphases is on applying the knowledge acquired in course work to the practice of Civil or Environmental Engineering and learn the techniques of making sound written and oral technical presentations.

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## STUDENT CONDUCT:

Student conduct is governed by the rules of the University and students are expected to know and abide by the University policies on academic honesty and integrity (UB Undergraduate Catalogue). These policies state: “*students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and the respect of other’s academic endeavors. By placing their name on academic work, students certify the originality of all work not otherwise identified by appropriate acknowledgements.*” Violation of these policies is subject to penalties that include receiving a failing grade in the course, suspension and dismissal.

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## COURSE SCHEDULE:

|                             |  |
|-----------------------------|--|
| <b>1<sup>st</sup> week</b>  | Review and submission of your Project objective statement.<br>(You can drop it off in my mailbox at Ketter 212, email or fax @ 645-3733) |
| <b>5<sup>th</sup> week</b>  | Submit a one to two-page interim report on your internship via e-mail  |
| <b>9<sup>th</sup> week</b>  | Submit a one to two-page interim report on your internship via e-mail  |
| <b>11<sup>th</sup> Week</b> | E-mail abstract of your Internship report  |
| <b>Last week</b>            | Due date for your Internship report (no more than 15 pages of write-up).   |
| <b>Last week</b>            | Project presentations ( <b>for 3-credit hours students only</b> )  |

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**GRADING POLICY:**

**For 3 credit hours:**

Students' grades will be based on her/his performance in the several parts of the course with the following weights:

|   |     |
|---|-----|
| Performance appraisal by the company supervisor | 40% |
| Project written report                          | 25% |
| Oral report presentation                        | 15% |
| Professionalism                                 | 20% |

Professionalism grade is based on timely & appropriate submission of objective statement, abstract, SPIR report, and student response to specific faculty advisor requirements.

Grade 'I' will be strictly limited to the circumstances for which the incomplete is intended; namely, satisfactory work to date and legitimate inability to complete the work within the semester.

**For 1 credit hour:**

Students' grades will be based on her/his performance in the several parts of the course with the following weights:

|   |     |
|---|-----|
| Performance appraisal by the company supervisor | 45% |
| Project written report                          | 30% |
| Professionalism                                 | 25% |

Professionalism grade is based on timely & appropriate submission of objective statement, abstract, SPIR report, and student response to specific faculty advisor requirements.

Grade 'I' will be strictly limited to the circumstances for which the incomplete is intended; namely, satisfactory work to date and legitimate inability to complete the work within the semester.

**Letter Grades:**

At the end of the semester, the total points earned (out of a maximum of 100 points) will be used to determine the grade as follows:

| Composite score | Letter grade |
|-----------------|--------------|
| 95%             | A            |
| 85%             | B            |
| 75%             | C            |
| 65%             | D            |

Grade 'I' will be strictly limited to the circumstances for which the incomplete is intended; namely, satisfactory work to date and legitimate inability to complete the work within the semester. See UB policy (<http://undergrad-catalog.buffalo.edu/policies/grading/explanation.shtml>)

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