

## **CE 594L: Special Topics Construction Engineering and Management: Advanced Building Construction Topics – LEED for New Construction**

### **Course Description:**

Studies in advanced building construction topics including LEED.

### **Course objectives (course designed to):**

Provide an introduction to the basic principles of LEED® for New Construction Version 4 program as it applies to designing and constructing a LEED® building.

### **Course Outcomes (students should be able to):**

- Evaluate and understand each LEED® pre-requisite and point.
- Identify critical issues for design and construction of a LEED® building.
- Demonstrate an understanding of how quality, energy efficiency and first cost effect each LEED®.
- Demonstrate an understanding of how planning, scheduling and estimating labor and material costs will be affected by the LEED® process.
- Analyze and evaluate strategies for designing and construction a LEED® building through case studies of completed LEED® projects.
- Become better prepared to take and pass the LEED® accreditation exam.