

LEED and Green Construction Principles in Construction Management **CNST 6380**

Course Description

The objective of this course is to familiarize the student with Green construction methods and benefits in applying the Leadership in Energy and Environmental Design (LEED) principles. The course is pragmatic in its approach and will afford the student not only opportunities to learn, but also to observe these principles in practice. This course will consist of a series of modules and student homework that will explore and illustrate the fundamental principles of green and sustainability. The lessons learned will be reinforced with homework assignments. There is no required textbook for this course. Many up-to-date modules will be supplied. **By completing this course, the student will earn a letter of attestation from the advisor. This letter will qualify the student to take the LEED Green Associate exam.**

Course Prerequisites

Graduate standing or consent of instructor.

Textbook

No Textbook required.

Schedule of Topics*

1. What are Green Buildings?
2. Residential Green
3. Impact of Green Building
4. Developing Green in Heating and Cooling System
5. University Green Projects
6. Life Cycle Cost Analysis in Green
7. Passive Solar Design
8. LEED-Leadership in Energy and Environmental Design
9. Case Studies
10. Pre-Project Planning Issues in Green

Academic Honesty

The instructor reserves the right to adjust letter grades, upward only, based on individual attendance and class participation if numerical grade warrants such consideration. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from The University. Since dishonesty harms the individual, all students, and the integrity of The University, policies on scholastic dishonesty will be strictly enforced.

Students with Disabilities

University of Houston provides, upon request, appropriate academic adjustments for qualified students with disabilities. Any student with a documented disability (physical or cognitive) who requires academic accommodations should contact the Center for Students with Disabilities (713/743-5400) for more assistance.

Exam Policy

Exams will include material covered in class discussions and homework assignments. Make-up exams will be given only in the event of a verified emergency or doctor-verified sickness. The student is responsible for all reading assignments and class handouts whether or not covered in class or listed on the syllabus.

Course/Instructor Evaluation

A course/instructor evaluation will be conducted in class during the last scheduled lecture. Any suggestions you have on improving the course, however, are welcome throughout the term.

For detailed information about Disabilities, Religious Holy Days, the Academic Calendar, and Academic Honesty, and other information, please visit the UH website:

http://www.uh.edu/provost/stu/stu_syllabsuppl.html