

Master Syllabus

EGV 2351 - LEED Green Associate Exam Preparation

Division: Science, Mathematics and Engineering

Department: Engineering Technology Design

Credit Hour Total: 2.0

Lecture Hrs: 1.0 **Lab Hrs:** 2.0

Date Revised: October 2013

Course Description:

This course helps prepare the student for the first of the LEED Green Associate Exams and meets the requirement of the student having involvement on a LEED- registered project, or employment in a sustainable field of work or completion of an education program that addresses green building principles in LEED, to qualify to take the LEED Green Associate Exam. One classroom, two lab hours per week.

General Education Outcomes:

- ▣ Written Communication
- ▣ Critical Thinking/Problem Solving

Course Outcomes:

Project systems and energy impacts

Demonstrate understanding of project systems and energy impacts, environmental concerns, and green power.

Assessment Method: Locally developed exams
Performance Criteria: 70% or better on exams

Public outreach and codes

Demonstrate understanding of project surroundings and public outreach and codes.

Assessment Method: Locally developed exams
Performance Criteria: 70% or better on exams

LEED application process

Demonstrate understanding of synergistic opportunities and the LEED application process.

Assessment Method: Locally developed exams
Performance Criteria: 70% or better on exams

Management of project materials

Demonstrate understanding of acquisition, installation, and management of project materials, recycled materials, locally (regionally) harvested and manufactured materials, innovative and regional design.

Assessment Method: Locally developed exams
Performance Criteria: 70% or better on exams

Site factors, community and zoning

Demonstrate understanding of project site factors, community connectivity, zoning requirements, and development.

Assessment Method: Locally developed exams
Performance Criteria: 70% or better on exams

Water management

Demonstrate understanding of types and quality of water and water management.

Assessment Method: Locally developed exams
Performance Criteria: 70% or better on exams

Outline:

Synergistic opportunities and LEED application process
Project site factors
Water management
Project systems and energy impacts
Acquisition, installation, and management of project materials
Stakeholder involvement in innovation
Project surroundings and public outreach; codes