

## 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

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#### 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 Competency
- ▣ Critical Thinking/Problem Solving Competency

#### 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