

SSM 201 : Sustainable Building Design, Construction, and Operations

Credits: 3

Class Hours: 3 lecture

Prerequisites: "C" or higher in ENG 100.

Recommended: Completed SSM 101.

Description: This course introduces: principles of green building design and operations, including site planning and zoning, construction practices, energy efficiency, economics of green building, benefits and barriers, green rating systems and the LEED rating system.

Semester Offered: Fall, Spring

Course Student Learning Outcomes (CSLOs):

1. Describe the fundamentals of green building as identified by the United States Green Building Commission.
2. Describe and outline the general components of the LEED rating system for construction, management, and operations.
3. Conduct a basic assessment of energy efficiency of a small building including but not limited to lighting, heating and AC, and metering.
4. Demonstrate skills related to managing sustainability projects including defining scope, selecting achievable goals, evaluating ethical implications, working with diverse teams, making presentations, and preparing reports.