

Bemidji State University

GEOG 3550: Site and Resource Analysis in Planning

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course emphasizes techniques and methods in the location, analysis, evaluation, and design of sites, focusing on identifying use potentials and impact limitations for planning and management. Prerequisite: GEOG 2400 or consent of instructor.

B. COURSE EFFECTIVE DATES: 08/25/2014 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Site Design
 - A. Conceptual design.
 - B. Open space.
2. Site Development
 - A. The Building & Energy.
 - B. External design details.
3. Site Inventory
 - A. Physical attributes.
 - B. Cultural attributes.
4. The Site Planning Process
 - A. Overview of the site planning process.
 - B. Life cycle analysis.

D. LEARNING OUTCOMES (General)

1. The student will be able to distinguish and calculate the impacts of wind loading, thermal mass regulation, and acoustic environments on building metabolism;
The student will be able to appreciate the growing need for and various models of open space and conservation development in the U.S.;
The student will be able to distinguish different types of circulation systems in site design;
The student will be able to critique New Urbanism and the LEED rating system for "green" construction as models of integrating environmental sustainability into site design; and
2. The student will be able to define the basic steps of the site planning process;
The student will be able to apply an understanding of the concepts of contingent valuation and life cycle analysis to site development;
The student will be able to identify the principal physical and biological attributes of a site targeted for development;
The student will be able to calculate slope, runoff, and erosion potential of a site targeted for development;
The student will be able to appreciate the roles of cultural and political landscapes in conditioning site development;
3. learn about "green planning" with the respect to multiple forms of land use.
4. focus on the location, analysis, evaluation, and design of sites.
5. The student will be able to think critically and communicate effectively regarding issues of site and resource analysis in planning in the United States.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted