GEOG 1224: Introduction to Map Use

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 0
Lab Hours/Week: 0
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: Goal 05 - Hist/Soc/Behav Sci

This course is designed for the core curriculum and provides an introduction to common characteristics and social aspects for the use of map media. Topographic maps will be used for physical analysis as well as to discern cultural and economic features of landscapes. Thematic maps, their use and applications will be presented. Includes some study out-of-doors with map and compass. [Core Curriculum Goal Area(s) 5 & BSU Focus: Performance and Participation.]

B. COURSE EFFECTIVE DATES: 08/26/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Introduction, basic mapping process
2. Projections, locational systems
3. Scale, measurements from maps
4. Route selection and navigation
5. Terrain representation
6. Contour interpretation
7. Topographic features
8. Quantitative and qualitative information
9. Characteristics of map features
10. Special purpose maps, maps and graphs
11. Remote sensing from airborne platforms
12. Remote sensing from space, computer assisted cartography
14. Map misuse

D. LEARNING OUTCOMES (General)

1. identify and discuss how mapping is a subjective enterprise.
2. describe and apply basic cartographic principles relating to scale and projections.
3. use a map and compass to navigate terrestrial landscapes.
4. identify and interpret cartographic information from a variety of maps and imagery.
5. construct basic maps and graphs.
6. utilize a GPS to collect and map spatial data.
7. create a collaborative map using basic internet tools.
8. learn to use maps for measurement and navigation.
E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

Goal 05 - Hist/Soc/Behav Sci

1. Employ the methods and data that historians and social and behavioral scientists use to investigate the human condition.
2. Develop and communicate alternative explanations or solutions for contemporary social issues.
3. Use and critique alternative explanatory systems or theories.

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted