

Bemidji State University

GEOG 1224: Introduction to Map Use

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: Goal 05 - Hist/Soc/Behav Sci

This course is designed for the liberal education program and provides an introduction to common characteristics and 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. Liberal Education Goal Areas 5 & 11.

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
13. Geographic Information Systems (GIS)
14. Map misuse

D. LEARNING OUTCOMES (General)

1. learn to identify and describe the basic features common to all maps, as well as the tradeoffs and compromises that are part of map making
2. learn to identify and construct different kinds of maps and describe their strengths and weaknesses
3. learn to use maps for measurement and navigation 4) find and use internet mapping tools.

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. Examine social institutions and processes across a range of historical periods and cultures.
3. Develop and communicate alternative explanations or solutions for contemporary social issues.

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted