COURSE DESCRIPTION:
An introduction to the study and design of map formats, symbology, coordinate systems, and how maps record the historical patterns of human behavior. The course will also examine maps as a tool to analyze human activity and societal development, and include important aspects of map data collection, processing, the Global Positioning System (GPS), quantitative mapping, and GIS-based mapmaking techniques. 3 credits Course Pre/co-requisites: None

Additional course information can follow the official Bulletin description.

Course Topic
If a course is a topics course, indicate the specific topic description here.

Course Pre/co-requisites
Indicate the approved course prerequisites (as published: http://www.stonybrook.edu/ugrdbulletin/current/index.shtml)

COURSE LEARNING OBJECTIVES:
This course will explore the use, construction, functionality of maps. This will include data collection, coordinate systems, map reading, map types, and analysis of spatial information on maps. We will look at how maps track human activity and behavior and influence political, societal, and economic decisions.

Expected Outcomes which serve as the base for the course learning units:
• Be able to locate points using global and local coordinate systems
• Understand the strengths map to analyze human activity
• Use maps for location, data gathering, and the study of human spatial relationships
• Identify and convert map scales
• Measure and calculate distance, directions, and trends of human behaviors from maps
• Collect historical map data using proper techniques for understanding human patterns
• Organize spatial information
• Plot and use GPS data on a map
• Utilize maps for spatial analysis and distribution of human activities
• Measure and calculate distance, directions, and trends of human behaviors from maps
• Collect historical map data using proper techniques for understanding human patterns
• Organize spatial information
• Plot and use GPS data on a map
• Utilize maps for spatial analysis and distribution of human activities
• Analyze and apply the information learned in the course to real world scenarios
• Develop practical software skills to interpret human activity and impacts

COURSE REQUIREMENTS:

Attendance and Make Up Policy
-- Instructors may enforce their own course attendance policy (the university has no standard policy except the policy regarding absence due to university sanctioned events … (e.g., athletic games; Stony Brook in Albany)
-- Policy for late work and tardiness

Description and schedule of Required Readings and/or Assignments.
Include bibliographical list of readings, library reserve items, etc.
Requirements for written assignments (margins, font, style manual)
Include a brief description of the graded assignments that the instructor(s) will use to evaluate the students’ achievement of the outcome(s)

Exams
Number and Description of Exams (include dates in meeting schedule section below).
GRADING:
Describe the components of the course, and indicate how each component of the course will be factored into the final course grade; often expressed in % Indicate alphanumerics breakdown of grades or explicit description of the grading technique (i.e., description of the “curve,” or A= 95-100, A- = 90-95, or whatever the instructor defines)

MEETING SCHEDULE
List each class meeting and assignments and topics for each. Include Exam Schedule and assignment due dates

CLASS PROTOCOL
Cell Phone and electronic device statement
Class interruptions

CLASS RESOURCES (examples below)
Library resources
Blackboard
Writing Center
Career Center
Others (see link) http://stonybrook.edu/aadvising/tut.html

The University Senate Undergraduate and Graduate Councils have authorized that the following required statements appear in all teaching syllabi (graduate and undergraduate courses) on the Stony Brook Campus. See also

DISABILITY SUPPORT SERVICES (DSS) STATEMENT (must be the following language)
If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC (Educational Communications Center) Building, room128, (631) 632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.

[In addition, this statement on emergency evacuation is often included, but not required:
Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go to the following website: http://www.stonybrook.edu/ehs/fire/disabilities ]

ACADEMIC INTEGRITY STATEMENT (must be the following language as approved by the undergrad council):
Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/uaa/academicjudiciary/

CRITICAL INCIDENT MANAGEMENT (must be the following language as approved by the undergrad council):
Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures.