thinking, spatial analysis, and be able to solve practical spatial problems utilizing a GIS.
3 credits, Letter graded (A, A-, B+, etc.)
May be repeated for credit.

GSS 526: GIS Project Management
This course will enable students to address issues unique to a GIS operation such as:
identify implementation issues for a GIS project or program; be prepared to assist in
decision making procedures that involve management; incorporate strategies for success
in your workplace; understand some of the legal issues about the use of GIS data; and
be aware of the GIS industry outlook for employment and education.
3 credits, Letter graded (A, A-, B+, etc.)
May be repeated for credit.

GSS 550: Applied Spatial Analysis
The specific focus is on spatial data analysis, such as the analysis of autocorrelation,
principles of geostatistics and analysis methods that are relevant in the fields of
public health, environmental/earth science and social science. An important aspect of
the course is to gain hands-on experience in applying these techniques with GIS and
spatial analytical software, and essential methodological and practical issues that are
involved in sophisticated spatial analyses. 3 credits, offered in Spring semester.
3 credits, Letter graded (A, A-, B+, etc.)

GSS 554: Geospatial Science for the Coastal Zone
The use of spatial data is becoming increasingly critical in the decision
management process and planning of the coastal zone. This course will use GIS and
Remote sensing tools to collect and analyze data for integrating into the management,
planning, and monitoring of the coastal geomorphology and ecosystems. Offered in Fall.
3 credits, Letter graded (A, A-, B+, etc.)

GSS 555: GIS and Remote Sensing
This course provides a basic overview of the technology by which aircraft and satellite
data are produced and utilized in analyses to answer questions within a geographic
context. Students will learn to identify sources of remotely sensed imagery appropriate for
common applications; acquire, manipulate, and interpret aerial photographs and satellite
imagery/data; and incorporate remote sensing data into Geographic Information Systems.
3 credits, Letter graded (A, A-, B+, etc.)
May be repeated for credit.

GSS 570: Geospatial Narratives: Deep Mapping for Humanities and Sciences
Course will present special interest topics or recent software enhancements in the rapidly
developing field of Geospatial Science. The course will include a mixture of core
geospatial techniques and recently released methodology. Course will include a diversity
of Geospatial topics including discipline specific topics relevant to majors in physical
sciences, social sciences, business and engineering.
1-3 credits, Letter graded (A, A-, B+, etc.)
May be repeated for credit.

GSS 575: Geospatial Teaching Practicum
The teaching practicum provides teaching experience, carried out under faculty
supervision. Student will work with a faculty member as assistant in a regularly scheduled
course and student will be assigned a specific role to assist in teaching the course. The
student will meet with the instructor on a regular basis to discuss intellectual and
pedagogical matters relating to the course.
0-3 credits, S/U grading
May be repeated 3 times FOR credit.

GSS 587: Geospatial Research
This course is intended to provide graduate students in the Geospatial Science program
an opportunity to obtain research experience. A written report is required. Prerequisite:
Permission of instructor 1-3 credits, Letter graded (A, A-, B+, etc.)
1-3 credits, Letter graded (A, A-, B+, etc.)
May be repeated 1 times FOR credit.

GSS 588: GIS Internship
The GIS Internship is designed to provide students experience in the real workplace.
Interns are expected to function as a GIS professional and work within the existing host
facility structure or on a free standing project. Interns will complete assigned tasks by hosting
facility such as GIS data entry, data retrieval, GPS field work, documentation, or general
GIS facility duties. These activities will be monitored by both a representative of the host
facility and the instructor.
0-3 credits, S/U grading
May be repeated 3 times FOR credit.