

- SPN 481. INTERNSHIP** 1-4 sh
 This course provides students with practical experience using Spanish in a professional setting and may include internships in teaching, social service, government service, business, etc., in the U.S. or abroad. Prerequisite: at least one course above the SPN 222 level and departmental approval.
- SPN 491. INDEPENDENT STUDY** 2-4 sh

General Studies

Director: Professor Warman

The General Studies Program gives breadth as well as depth to a college education. It provides students with opportunities to see the broad view of human civilization, experience great ideas and art and learn the science and math skills which no contemporary leader or individual can be without.

Through training in writing and other communication skills, as well as in learning to work independently, to think critically and constructively, to handle quantitative data, to respect cultures worldwide and to develop habits of responsible leadership, this program develops the whole person. The General Studies program is a major focus of a college career from beginning to end — challenging students, preparing them for both leadership and independent thought and, most of all, deepening and enriching their lives.

- GST 110. THE GLOBAL EXPERIENCE** 4 sh
 This first-year seminar examines public responsibility in a global context. It explores some of the implications created by cultural and natural diversity and the possibilities for human communication and cooperation within this diversity. The course emphasizes student and faculty creativity through active and collaborative learning; the seminar is writing intensive. First-year students only. Offered fall and spring.
- GST 115. PUBLIC SPEAKING** 2 sh
 Students learn principles for speaking in public settings, with significant in-class presentation and out-of-class topical research. The course focuses on the structure and effective delivery of ideas, use of language, supporting evidence, reasoning and emotional appeals, diction, pronunciation and nonverbal communication.
- GST 212. WOMEN, MEN AND SOCIETY** 4 sh
 This course examines the major issues that affect women and men today from a feminist perspective. Interdisciplinary synthesis of theories, methods and materials from sociology, anthropology, psychology, philosophy, history, religion and political science will be emphasized. The course serves as an introduction to women's/gender studies. (Counts in Society)
- GST 225. PERICLEAN SCHOLARS** 4 sh
 In this foundational course students develop a mission statement for the class and research in depth the issues and topics related to that mission. Emphasis is placed on becoming deeply familiar with the multiplicity of factors that surround the group's chosen issue and developing individual and group goals (short and long term). They examine the process of and begin to understand how to be effective agents of social change. Offered fall semester. Civilization or Society.
- GST 260-69. CULTURE COURSES**
 These courses provide contemporary and historical perspectives on various nations. They are taught in English by natives of the respective countries, usually visiting international

faculty members. Specific topics vary but include history, language, arts, business, family, food and religion. Offered fall and spring. (Civilization, Expression or Society).

- GST 260. CULTURE OF JAPAN 2 sh
 GST 261. CULTURE OF CHINA 2 sh
 GST 263. CULTURE OF SPAIN 2 sh
 GST 281. THE LIBERAL ARTS FORUM 2 sh

Students will work with the Forum, a student-run and SGA-funded organization, to select speakers, host their visits and prepare for conversations with them through reading, writing papers, making presentations and joining discussions. Offered fall.

- GST 282. THE LIBERAL ARTS FORUM 2 sh
 See description for GST 281. Offered spring.

GST 300-499. ADVANCED INTERDISCIPLINARY SEMINARS

These seminars are the capstone of the General Studies Program. Students work with faculty to examine an issue or topic from multiple viewpoints. The subjects of these seminars are chosen by individual faculty members and vary from semester to semester. More than 25 different topics are offered each academic year. The diverse topics reflect the expertise and interests of faculty from across the campus and allow students a wide range of choices. These courses require advanced critical thinking skills: students must weigh multiple opinions, evaluate theoretical and ethical positions and define and defend their own personal positions. Taken in the third or fourth year of study, these seminars are writing intensive, requiring students to write frequently and in a variety of ways. Prerequisite: open to students in the third or fourth year of study. Students who have questions about their eligibility should see the Director of General Studies.

Selected recent seminars

These topics may, or may not, be offered in the future.

- GST 303. THE CULTURE OF ROCK 4 sh

This course - as the title indicates-examines the "culture of rock." Specifically, it is concerned with the evolution of rock music and subcultures centered upon that music. In particular, the course examines the music and nascent youth culture of the 1950s, the counterculture of the 1960s, the reggae and punk subcultures of the 1970s and beyond. This course is reading and writing intensive.

- GST 326. HUMAN SEXUALITY 4 sh

This course provides the comprehensive study of biological, cultural and psychosocial sexuality throughout the life cycle, including male and female physiology, reproduction, contraception, sexual identity, gender roles, intimate relationships, sexually transmitted diseases and variant sexual behaviors.

- GST 338. AMERICAN ADOLESCENCE 4 sh

This interdisciplinary seminar explores the male and female experience of coming of age in America. We will study major psychological and sociological theories of adolescence and examine how the transition from childhood to adult life is represented in literature and film. Counts toward the Women's Studies/Gender Studies minor.

- GST 359. MEDIA AND THE MIDDLE EAST 4 sh

This course examines the ways in which the Middle East is covered and portrayed in both Western and non-Western media. It aims to broaden students' perspectives on a critical part of the world and to deepen their understanding of complex problems they read and hear about daily. By drawing on both contemporaneous and historical accounts, the course will encourage students to examine the diversity of views, each of them rooted in a different history and a different culture. The course will be taught in a seminar fashion and will

require substantial reading, not only in contemporary journalism but also history, religion, cultural studies and international relations.

- GST 364. TECHNOLOGY AND SOCIETY** 4 sh
 This course will examine the role of invention and technology in society. Synthesizing elements of engineering, computer science, economics, history, business and sociology, this course investigates technology both as a reflection of and as a catalyst for cultural identity and social change. Recent topics have included virtual worlds, artificial life, cyborgs, the do-it-yourself hacker ethic, posthumanism, resistance to change, and the diffusion of innovations. Using a combination of reflective and researched essays, live action role playing games, video games, films, simulations, and presentations, students will reconcile their own technology experiences with the common portrayal of technology in history and in contemporary culture.
- GST 369. MEN AND MASCULINITY** 4 sh
 This course will take an in-depth look at how various cultures (Western and non-Western) have defined masculinity. Sources of investigation will include literature, the media and social institutions such as the family, religion, politics, leisure and others. The course will explore how men conceptualize their bodies and spirits, and how they practice relationships with other men, women, parents and progeny. Counts toward the Women's Studies/Gender Studies minor.
- GST 384. THE KENNEDY ASSASSINATION AND FILM** 4 sh
 This course will explore the details of the assassination of President John F. Kennedy and the way it has been presented in film. Special emphasis will be placed on the study of the assassination as a film genre and any residual effects on the world of motion pictures.
- GST 401. LATINOS IN THE U.S.** 4 sh
 This course is conducted in Spanish. The diversity of the culture, history and social, economic and political situation of the Latino population in the United States is studied through literature, film, music, current articles on the subject and direct contact with the population when possible. Readings will be assigned in Spanish and English. This course continues to develop students' language skills toward the proficiency goals required of all majors. Prerequisite: successful completion of SPN 310 or equivalent or permission of instructor. Cross-listed with SPN 335.
- GST 406. PERSPECTIVES ON WOMEN'S HEALTH** 4 sh
 This course will identify a broad range of health issues that are either unique to women or of special importance to women. The roles that women play as providers and consumers of health care will be examined. The student will be provided the opportunity to explore health care issues of women from adolescence through old age. The interface of gender, socio-economic advantage/disadvantage, and minority status will be studied. A primary objective of this course is to enable the student to become an informed consumer of health care services.
- GST 412. FREEDOM OF EXPRESSION: CONTEMPORARY FIRST AMENDMENT ISSUES** 4 sh
 Freedom of expression is a particularly relevant issue during times of war. The course will explore the tension between the public's right to know and issues of national security. The course will address such issues as hate speech, pornography and campaign finance reform in terms of the value of the speech and benefits and harms to society. Students will also look specifically at new media issues such as libel, privacy and obscenity in the digital age. Students will explore these contemporary First Amendment speech and press issues from a legal, historical, economic and political standpoint. The course will begin with First Amendment theory and history, which will provide a basis for effective discussion of contemporary problems. Those on the fringe of this issue who challenge the traditional way of thinking about freedom of speech will take a central role in this course.

GST 420. SCIENCE & RELIGION: BRIDGING THE GAP**4 sh**

This seminar is an exploration of the complex and fascinating interplay of these two ways of knowing. We will study the fundamental uncertainties that form borders to the reach of science and seek to build bridges to the realms of religious experience.

EXPERIENTIAL LEARNING**1 unit**

The Experiential Learning Requirement (ELR) asks students to practice close observation of the world around them and to reflect insightfully on those observations. Exposure to diversity helps students see the interrelationships between academic studies and other experiences. The requirement may be met through one of the following ways: (1) field-based courses: study abroad, internships/co-ops, practicums and student teaching; (2) independent research conducted under the direction of a professor; (3) 40 hours of pre-approved service/volunteer activities (see Kernodle Center for Service Learning); (4) 40 hours of pre-approved leadership activities (see Leadership Development Office); and (5) 40 hours of pre-approved individualized learning activities (see Career Center).

Geographic Information Systems

Coordinator: Associate Professor Xiao

Associate Professors: H. Frontani, MacFall, Morgan, Powell

Senior Lecturer: Kleckner

The Geographic Information Systems minor is designed to prepare students with the basic training necessary to enter the rapidly expanding field of geographic information science (GIS). Employment opportunities are limitless for students who are proficient with this interdisciplinary tool. Recently, the US Department of Labor has listed GIS as one of the three most important and evolving fields. Well-qualified GIS specialists are sought in the areas of business, disaster mitigation, economics, education, emergency management, environmental study, homeland security, law enforcement, physical sciences, political campaign management, public policy research and analysis, transportation and urban development and planning. The minor is designed to provide students with basic knowledge and skills in GIS, and to explore application of these skills in courses selected from a wide variety of disciplines. Students are given hands-on experience with state of the art computer programs and software.

This minor includes core courses from the Business Administration, Computing Sciences, Economics, History & Geography, Political Science & Public Administration Departments and the Environmental Studies program. There are two components to the curriculum: a set of core courses required of all students enrolled in the program and a set of selective courses that permit exploration of more advanced themes in GIS and/or development of individual research projects or internships in GIS.

A minor in Geographic Information Systems requires the following courses:

ENS/GEO	250	Introduction to Geographic Information Systems	4 sh
GEO	356	Introduction to Remote Sensing	4 sh
GEO	460	Advanced GIS	4 sh
Two discipline-specific courses from:			8 sh
CIS	216	Programming in a Visual Environment	
GEO	121	Global Physical Environments	
ENS111/113		Introduction to Environmental Science	
PUB	334	GIS Applications for Administration and Planning	

PUB	433	Urban Politics	
BUS	416	Global Marketing	
ECO	440	Urban Economics and Planning	
<hr/>			
Total			20 sh

Geography

Coordinator: Associate Professor H. Frontani

Associate Professor: Xiao

Assistant Professor: R. Kirk

The geography program offers a minor in Geography. Geography explores how location affects societies, economics, politics, culture and ecosystems. How do we analyze, describe and construct boundaries, both natural and human, which we then impose on the physical and intellectual worlds we live in? The study of geography is much more than maps. It includes study of both the natural world and the varied patterns of human life on both the macro and micro scales.

Graduates with training in geography are sought as Geographic Information Systems Specialists to work with GIS computer mapping software and related technology for government at the local, state or federal level as well as for a wide variety of businesses and corporations; Regional Specialists to work for the Central Intelligence Agency, Foreign Service, Peace Corps or community activist organizations; Business, Economic and Population Geographers to work for insurance companies, in real estate, for federal agencies such as the Census Bureau or to work in market-oriented businesses; Environment and Recreation Specialists to work for botanical gardens, the U.S. Forest Service, the U.S. Park Service or parks and recreational agencies; and Teachers and Map Librarians to work at elementary or secondary schools or at universities.

Several geography courses count towards area concentrations in the International Studies major and the Society and Environment concentration in the Environmental Studies major. Our GIS lab offers opportunities for hands-on learning and to obtain the latest computer mapping and spatial analysis skills. Gamma Theta Upsilon, the International Honor Society in Geography, has a campus chapter, and a minor in GIS is offered at Elon.

A minor in Geography requires the following courses:

GEO	121	Global Physical Environments	4 sh
GEO	131	The World's Regions	4 sh
One course from:			4 sh
ENS	111/113	Introduction to Environmental Science and Lab	
PHY	103	Introduction to Geology	
POL	141	International Relations	
Any 200-level geography course			
<hr/>			
Eight semester hours of GEO elective at 300-400 level			8 sh
<hr/>			
TOTAL			20 sh

GEO 121. GLOBAL PHYSICAL ENVIRONMENTS 4 sh

Students will examine the processes which control the spatial distribution of climate, vegetation, soils and landforms. Topics include earth-sun geometry, global energy balance, hydrology, tectonics, weathering and mass wasting, climatic classification and climato-

graphs, arid land and coastal and fluvial geomorphology. Focus will be on the Earth as the home of humans and the impact of humans on their environments.

- GEO 131. THE WORLD'S REGIONS** 4 sh
 This survey of the regions of the world emphasizes place names and environmental and human characteristics which provide both the common traits and the distinctive characteristics of different places. Students analyze change, problems, potentials and alternative futures and use traditional and electronic data sources, atlases and methods of data presentation. Offered fall and spring.
- GEO 250. INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS** 4 sh
 In this course, the student will be introduced to the concept of visualizing, exploring and analyzing data geographically. The student will obtain hands-on experience of display, analysis and presentation of mapping functions using the latest ArcGIS software. Assignments will be geared toward environmental management and decision making. GEO 250 is cross-listed with ENS 250. Offered in the fall.
- GEO 310. DEVELOPMENT AND THE ENVIRONMENT IN LATIN AMERICA, AFRICA AND ASIA** 4 sh
 This course is concerned with environmental issues primarily in "developing" countries. This course will provide a forum for discussing and analyzing the geopolitics of international environmental conservation programs often devised in wealthier countries but applied in the "third world" as well as the social and environmental consequences of large-scale and small-scale development projects.
- GEO 320. AFRICA'S PEOPLE AND ENVIRONMENTS** 4 sh
 This course surveys the physical, cultural and political-economic geography of Africa with an emphasis on human-environment relationships. Important themes include the diversity of people (ethnicity, gender and religion), social unrest, refugees, AIDS, drought and famine, urbanization, endangered species, wildlife conservation and parks. Students may participate in an experiential learning project. Counts toward a minor in African/African American Studies. Offered in the spring of even-numbered years.
- 192 GEO 345. GLOBAL ENVIRONMENTAL CHANGE** 4 sh
 This course explores the physical and human geographical aspects of global environmental change, focusing on the effects of past climatic changes upon present landscapes, historic short-term fluctuations in temperature and precipitation, possible explanations for climatic change over time, the impact of human action on the Earth and its environmental systems, and the projection of future environmental changes. This course will also seek to provide students with an understanding of the latest scientific investigations and technology in environmental studies.
- GEO 356. INTRODUCTION TO REMOTE SENSING** 4 sh
 Remote sensing is the science and art of collecting and interpreting information about the earth's surface through non-contact methods. This course provides an introduction to the basic concepts and processes of remote sensing. It covers the principles of electromagnetic radiation and its interaction with the atmosphere and surface, interpretation of aerial photographs, basic photogrammetry, the principles of satellite data interpretation, the fundamentals of digital image processing, and the principles and applications of global positioning systems (GPS). Significant hands-on exercises are included.
- GEO 460. ADVANCED GIS** 4 sh
 This advanced level course in Geographic Information Systems (GIS) will build on the techniques learned in ENS/GEO 250 (Introduction to Geographic Information Systems) by exposing students to more advanced methods in developing and utilizing GIS data. It is designed primarily to provide students with an in-depth understanding of GIS applications, the theoretical/conceptual side of algorithms in GIS software and GIS research trends. Prerequisite: GEO 250, GEO 356 or permission of instructor.

GEO 481.	INTERNSHIP IN GEOGRAPHY	1-4 sh
Internship is limited to four semester hours credit toward geography minor. Prerequisites: GEO 121, 131 and permission of instructor.		
GEO 491.	INDEPENDENT STUDY	1-4 sh
GEO 499.	INDEPENDENT RESEARCH	1-4 sh
Students engage in independent research projects related to the field of geography in conjunction with a faculty mentor. Prerequisites: junior or senior status and geography program approval.		

German Studies

Coordinator: Assistant Professor Windham

The German Studies minor will provide students with a strong interdisciplinary knowledge of German language and culture. It focuses on the study of Germany from a variety of perspectives: linguistic, literary, cultural, historical, artistic, philosophical and political. Study abroad in Germany is strongly encouraged.

A minor in German Studies requires the following:

GER	121	Introductory German I	4 sh*
GER	122	Introductory German II	4 sh
GER	221	Intermediate German	4 sh
Twelve semester hours chosen from the following:			12 sh
GER	222	Intermediate German II	
ENG	302	History of the English Language	
HST	335	Growth of Modern Europe 1789-1914	
HST	336	Europe 1914-1945	
HST	337	Europe 1945-Present	
HST	338	Germany: War, Democracy, Hitler	
HST	339	History of the Holocaust	
PHL	338	Nietzsche	
PHL	339	Martin Buber	
PHL	433	Marx, Darwin, Freud	
GER	300-IS	Selected courses from study abroad	
TOTAL			20-24 sh

* If a student places into the 122 level or higher, the student must take 20 semester hours for the German Studies minor, including at least eight semester hours of courses with the GER prefix. Up to twelve hours of study abroad courses that emphasize German Studies' subject matter may count for the minor, as approved by the program coordinator. Study abroad in Germany is strongly encouraged.

Electives not listed above may be approved on a case-by-case basis after consultation with the program coordinator.