

Science

Associate Professor: Agnew, Seidel

Assistant Professors: Carloye, Lee

Science courses integrate the natural sciences, providing the opportunity to see the interrelatedness of the different science disciplines. Students experience the processes of science and relate the natural sciences to areas outside the classroom and laboratory.

SCI 121. SCIENCE WITHOUT BORDERS

4 sh

Investigate the major ideas in the natural sciences and their commonalities in this nontraditional science course emphasizing the processes of science through hands-on, minds-on activities. Intended for nonscience majors, Science Without Borders is a natural science course and students are responsible for understanding science content and processes. Students collaborate to prepare projects relating the natural sciences to a complex "real-world" problem and bring in other disciplines in a benefits/risks analysis. This course does not carry lab credit, but does count toward the nonlaboratory science General Studies requirement.

Science Education

Coordinator: Associate Professor Agnew

The Departments of Biology, Chemistry and Physics in cooperation with the Department of Education offer programs leading to the bachelor of arts in Science Education with Secondary Science Comprehensive Licensure and with Secondary Science Licensure in the areas of biology, chemistry and physics.

The Bachelor of Arts degree with Secondary Science Comprehensive Licensure requires the following courses:

Professional Studies courses in Education, Psychology and Information Systems	35 sh
PHY 102 Astronomy	4 sh
PHY 103 Geology	4 sh
All courses in one of the concentrations listed below	40 sh
Eight semester hours in science courses from each of the other two listed areas	4-16 sh
TOTAL	87-99 sh

Concentrations

Biology concentration:

BIO 111 Introductory Cell Biology	3 sh
BIO 112 Introductory Population Biology	3 sh
BIO 113 Cell Biology Lab	1 sh
BIO 114 Population Biology Lab	1 sh
BIO 221 Zoology	4 sh
BIO 222 Botany	4 sh
BIO 322 Molecular/Cellular Biology	4 sh
CHM 111 General Chemistry I	3 sh
CHM 112 General Chemistry II	3 sh
CHM 113 General Chemistry I Lab	1 sh
CHM 114 General Chemistry II Lab	1 sh
CHM 211 Organic Chemistry I	3 sh
CHM 213 Organic Chemistry I Lab	1 sh
Select one course from:	4 sh
BIO 312 Comparative Vertebrate Anatomy	
BIO 321 Microbiology	
BIO 325 Human Histology	
BIO 335 Field Biology	
BIO 341 Animal Physiology	
BIO 342 Plant Physiology	
BIO 452 General Ecology	
Select one course from:	4 sh
CHM 212/214 Organic Chemistry II & Lab	
CHM 205 Inorganic Chemistry	
CHM 332/333 Physical Chemistry I & Lab	
TOTAL	40 sh

Chemistry concentration:

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 205	Inorganic Chemistry	4 sh or
CHM 311	Quantitative Analysis	
CHM 332	Physical Chemistry I	3 sh
CHM 333	Physical Chemistry I Lab	1 sh
BIO 111	Introductory Cell Biology	3 sh
BIO 113	Introductory Cell Biology Lab	1 sh
PHY 113	General Physics with Calculus I	4 sh
PHY 114	General Physics with Calculus II (Physics 111 and 112 may be substituted for Physics 113 and 114)	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
TOTAL		40 sh

Physics concentration:

PHY 113	General Physics with Calculus I	4 sh
PHY 114	General Physics with Calculus II	4 sh
(Physics 111 and 112 may be selected to satisfy eight semester hours in Physics for Biology or Chemistry concentration.)		
PHY 213	Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism and Field Theory	4 sh
PHY 411	Quantum Mechanics	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh
TOTAL		40 sh

Secondary Science Licensure

The Bachelor of Arts degree with Secondary Science Licensure requires the following courses:

Professional Studies Courses in Education and Psychology	35 sh
PHY 102 Astronomy	4 sh
PHY 103 Geology	4 sh

All courses in one of the concentrations listed below	40 sh
Twelve semester hours in science courses from one of the other two listed areas	0-12 sh
<hr/>	
TOTAL	83-95 sh

Concentrations

Biology concentration:

BIO 111	Introductory Cell Biology	3 sh
BIO 112	Introductory Population Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
BIO 114	Population Biology Lab	1 sh
BIO 221	Zoology	4 sh
BIO 222	Botany	4 sh
BIO 322	Molecular/Cellular Biology	4 sh

Select one course from: 4 sh

- BIO 312 Comparative Vertebrate Anatomy
- BIO 321 Microbiology
- BIO 325 Human Histology
- BIO 335 Field Biology
- BIO 341 Animal Physiology
- BIO 342 Plant Physiology
- BIO 452 General Ecology

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 213	Organic Chemistry I Lab	1 sh

Select one course from: 4 sh

- CHM 212/214 Organic Chemistry II & Lab
- CHM 205 Inorganic Chemistry
- CHM 332/333 Physical Chemistry I & Lab 4 sh

TOTAL	40 sh
--------------	--------------

Chemistry concentration:

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 205	Inorganic Chemistry	4 sh or
CHM 311	Quantitative Analysis	

CHM 332	Physical Chemistry I	3 sh
CHM 333	Physical Chemistry I Lab	1 sh
BIO 111	Introductory Cell Biology	3 sh
BIO 113	Introductory Cell Biology Lab	1 sh
PHY 113	General Physics with Calculus I	4 sh
PHY 114	General Physics with Calculus II	4 sh
(Physics 111 & 112 may be substituted for Physics 113 and 114)		
MTH 121	Calculus and Analytic Geometry I	4 sh
TOTAL		40 sh

Physics Concentration:

PHY 113	General Physics with Calculus I	4 sh
PHY 114	General Physics with Calculus II	4 sh
PHY 213	Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism and Field Theory	4 sh
PHY 411	Quantum Mechanics	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh
TOTAL		40 sh

Social Science

The disciplines of the social sciences offer several interdisciplinary courses that study the methods and approaches used in the social science fields. In addition, the Social Sciences host two special programs: The Social Science Scholars program and a major in Social Science Education.

SSC 285. RESEARCH METHODS 4 sh

Students examine basic social scientific methods, including the philosophy of science, problem definition, concept formation, hypothesis testing, sampling methods, scale construction and data generation, explanation and prediction, and analysis of research problems susceptible to the use of quantitative data. Offered fall and spring.

SSC 350. SCHOLARSHIP AT WORK: RESEARCH IN THE SOCIAL SCIENCES 2 sh

This course offers an interdisciplinary seminar exploring how scholars in the social sciences ask questions, explore topics and apply their research. Students must concurrently register for SSC 499 (two semester hours) to work with a faculty mentor from the social science division to prepare a research proposal for a "Scholars Project." Prerequisites: acceptance as a Social Science Fellow and junior standing.

SSC 351. SCHOLARSHIP AT WORK: RESEARCH IN THE SOCIAL SCIENCES 2 sh

This course offers an interdisciplinary seminar exploring how scholars in the social sciences ask questions, explore topics and apply their research. Students must concurrently register for SSC 499 (two semester hours) to work with a faculty mentor from the social science division to begin work on their "Scholars Project." Prerequisites: acceptance as a Social Science Fellow and junior standing.

SSC 499. INDEPENDENT RESEARCH: SCHOLARS PROJECT

1-4 sh

Students will create an original undergraduate original research project guided by a faculty mentor. Course may be repeated for a maximum of 8eight semester hours. Open only to students who are enrolled in SSC 350 or 351 or who have completed these courses.

Social Science Education

Chair, Department of Sociology: Professor Basirico
 Coordinator: Assistant Professor Curry

Social Science Education, designed for prospective secondary school social studies teachers, is an integrated, multidisciplinary study of interactions among people in diverse cultural and geographical environments. It examines political institutions, economic processes, historical events and social forces which influence human behavior and produce continually changing relationships and ideas.

The Social Science Education program helps students understand major social, economic, political and environmental issues in both historical and contemporary settings. The program also focuses on the relationship between the person and the larger society. In that context, students are encouraged to reflect upon their own values and behavior. Part of this process emphasizes the development of analytical and communication skills which help people solve problems and make decisions rationally.

Elon's Social Science Education program provides students with an opportunity to master the competencies required by the North Carolina State Department of Public Instruction, including the ability to (1) formulate objectives; (2) identify and use available resources; (3) read and interpret data; (4) select and create teaching strategies; (5) use facts, develop concepts and formulate generalizations; (6) design and use assessment and evaluation techniques; (7) use democratic classroom methods; (8) recognize and deal with sensitive and controversial issues; and (9) learn computer technology relevant to the social sciences.

217

A major in Social Science Education requires the following courses:

ECO 201	Principles of Economics	4 sh
GEO 131	The World's Regions	4 sh
SOC 111	Introductory Sociology	4 sh
POL 111	American Government	4 sh
SOC 112	Introduction to Anthropology	4 sh
POL 261	Comparative Politics	4 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 121	United States History through 1865	4 sh
HST 122	United States History since 1865	4 sh
HST 361	North Carolina in the Nation	4 sh
A 300-400 level Geography		4 sh
A 300-400 level non-U.S. History		4 sh
A 300-400 level History		4 sh
HST 301	Research Methods	4 sh
History Seminar		4 sh
Thirty-five semester hours professional education and psychology courses		35 sh
TOTAL		95 sh

Sociology and Anthropology

Chair, Department of Sociology: Professor Basirico
 Coordinator, Anthropology Minor: Professor Bolin
 Professors: Arcaro, T. Henricks
 Assistant Professors: Curry, Jones, Smith-Nonini

Sociology and anthropology provide the student with an exceptional understanding of the world by developing an awareness of how society and culture shape our lives and perspectives. Studying sociology and anthropology is more like a journey in which we learn to stand outside ourselves to see our world with new eyes.

Sociologists and anthropologists study all forms and dimensions of human social and cultural behavior from the institutional to the interpersonal e.g., “How do people select a mate? How are people organized into groups such as sororities, fraternities and sports teams? How do institutions such as the family, economy, government, religion and health-care develop and affect our lives?”

With their wide scope, sociology and anthropology are linked to all the disciplines and are complementary to any major found at Elon. The U.S. is a culturally diverse society and solutions to our interpersonal, community, national and international problems demand an understanding of society and culture.

The sociocultural perspective students develop through sociology and anthropology is an asset not only in their personal lives, but also in business, politics, economics, healthcare, education, health and fitness, social services, the mental health field, urban planning, family planning, and many other professions.

A major in Sociology requires the following courses:

SOC 111	Introductory Sociology	4 sh
SOC 112	Introduction to Anthropology	4 sh
SOC 215	Sociocultural Inquiry	4 sh
SOC 261	Sociological Theory	4 sh
SOC 451	Comprehensive Review in Sociology	2 sh
SOC 461	Senior Seminar in Sociology	4 sh
SSC 285	Research Methods	4 sh
Sixteen semester hours of electives in Sociology courses		16 sh
TOTAL		42 sh

A minor in Sociology requires the following courses:

SOC 111	Introductory Sociology	4 sh
SOC 215	Sociocultural Inquiry	4 sh
Twelve semester hours selected from Sociology courses		12 sh
TOTAL		20 sh

A minor in Anthropology requires the following courses:

SOC 112	Introduction to Anthropology	4 sh
SOC 215	Sociocultural Inquiry	4 sh
Twelve semester hours selected from		12 sh
SOC 113	Human Evolution and Adaptation	
SOC 121	Cross-Cultural Encounters (two semester hours)	

SOC 212	Cultural Anthropology
SOC 253	Studies Abroad in Australia
SOC 322	Ethnography
SOC 324	Culture and Sex
SOC 325	Culture and Health
SOC 326	Culture of the Corporation
SOC 327	Encountering the Sacred
SOC 328	Culture and the Modern World
SOC 345	Sociocultural Perspectives on Gender
SOC 362	Readings in Anthropology
SOC 363	Latin American Social Movements
SOC 364	Inequality and Development in Latin America
SOC 380-389	Special Topics in Anthropology
SOC 482	Internship in Anthropology (one to four semester hours)
ENG 303	Linguistics

TOTAL	20 sh
--------------	--------------

SOC 111. INTRODUCTORY SOCIOLOGY *4 sh*

This course provides an introduction to basic theoretical principles and research methods of modern sociology, including such issues as the relationship between culture, personality and society; the fundamental forms of social structure; social institutions such as religion and the family; and social processes such as deviance and social change. Offered fall and spring.

SOC 112. INTRODUCTION TO ANTHROPOLOGY *4 sh*

Students explore the meaning of human nature as it has developed over time and is given expression in human cultures. Study emphasizes biocultural evolution of the human species, methods used to study both physical and cultural evolution and the diversity and development of human language. Offered fall and spring.

SOC 113. HUMAN EVOLUTION AND ADAPTATION *4 sh*

This course provides a basic introduction to neo-Darwinian theory and natural selection, Mendelian and population genetics, mechanisms of human biological and cultural adaptation and interpretation of the primate and hominid fossil record (drawing on both paleontology and molecular genetics). Special attention is paid to the interaction of social mechanisms with biological and environmental influences in human evolution. Readings include an introduction to medical biotechnology and the Human Genome Diversity Project.

SOC 121. CROSS-CULTURAL ENCOUNTERS *2 sh*

This course is an introduction to the subject of culture and to living in a multicultural world. The central theme of the course is appreciating as well as understanding cultural diversity. Students will develop and expand their cultural sensitivity through a variety of experiential activities focused on becoming more aware of the role of culture as central in defining who we are as individuals. Exposure to the unique approaches of anthropologists in encountering and communicating with peoples of different cultures and backgrounds will be emphasized. This course will serve as an excellent foundation for a variety of majors in communications, the humanities, the social sciences, business, education and for those with a geographic focus such as Asia, Africa, Russia, etc. It will also serve as preparation for the Studies Abroad experience.

SOC 131. SOCIOLOGY THROUGH FILM *4 sh*

This course explores sociological principles, concepts, theories, ideas, themes and issues as they may be illustrated in cinema, television and commercials. Relevant sociological readings are assigned to accompany the specific sociological content being illustrated in each session.

SOC 212. CULTURAL ANTHROPOLOGY

4 sh

This introduction to the study of human cultures focuses on the concept of culture, and presents theories and methods used by anthropologists studying peoples across the globe, including ourselves. Topics include social organization, marriage, making a living, religion, political organization, etc. Prerequisite: SOC 111 or 112.

SOC 215. SOCIOCULTURAL INQUIRY

4 sh

Students develop an understanding of the ways sociologists and anthropologists inquire about society, use sociocultural perspectives and theories to frame researchable questions and discuss ways of collecting and analyzing information. Special emphasis is given to library and other informational technology and to qualitative methodology, including content analysis and field research. Prerequisite: SOC 111 or 112. Offered spring.

SOC 227. FROM THE GROUND DOWN

4 sh

Students explore the adventure and science of archaeology from the perspective of an anthropologist. This course highlights great discoveries in archaeology with a look at famous sites worldwide. An overview of the development of archaeology from treasure hunting to a high-tech science are presented. Additional topics include fieldwork techniques, artifact analysis, interpretation, forensic analysis and cultural resource preservation. The course includes visits to archaeological sites in the area.

SOC 241. SOCIAL ISSUES AND PROBLEMS

4 sh

Students investigate social issues pertaining to institutions and use a sociological framework to discover the interconnections between national and global problems. Study focuses on causes, consequences and policies concerning such problems as racism, sexism, poverty, war, overpopulation and issues pertaining to institutions of the family, economy, government, medicine, religion and others.

SOC 245. NONVIOLENCE OF THE BRAVE: FROM GANDHI TO KING

4 sh

Students are exposed to the ideas and personalities of political philosophers and leaders who have influenced major nonviolent social and political movements in the 20th century. Common themes appearing in the philosophies and action plans of Thoreau, Gandhi, King and others are explored and compared to the philosophies and action plans of leaders such as Mao Tse-tung, Malcolm X and others. The course includes readings, feature films and documentaries.

220

SOC 253. STUDIES ABROAD IN AUSTRALIA

4 sh

Students experience western Australia through anthropological and sociological perspectives. The influence of Aboriginal, European and Pacific migrants on Australian culture is examined. A predominant focus of the course is an exploration of Aboriginal peoples in relation to Euro-Australian interests. Students are exposed to a rich cultural milieu through orientation prior to departure, participant-observation, focused observations, field trips, lectures and directed self learning. This course is offered during winter.

SOC 261. SOCIOLOGICAL THEORY

4 sh

In sociological theory, students explore conceptualization and model-building in modern sociology and consider the emergence of sociological traditions or perspectives. Topics include underlying assumptions, historical and intellectual background and the logical consequences of these positions. This course is a Writing Intensive Course in the department, meaning at least 70 percent of the grade comes from writing assignments during the course. Prerequisite: SOC 111. Offered spring.

SOC 311. THE FAMILY

4 sh

This course provides an investigation of the family as an institution in societies, focusing on the development and current patterns of the American family. Specific topics include social class differences, racial and ethnic variations, premarital patterns, marital interaction, family problems and the future prospects for the family. Prerequisite: SOC 111.

- SOC 314. SOCIOLOGY OF SPORT** 4 sh
 This course focuses on sport as a major social institution in American society. Topics include the social organization of sport, the relationship of sport to other aspects of American life such as politics and education, the experiences of African-Americans, women and youth in sport and the effects of sport on culture, personality and society.
- SOC 322. ETHNOGRAPHY** 4 sh
 This course teaches the methods anthropologists use to gain access, develop rapport, collect and analyze data and interpret findings when studying human cultures. Students also read selected ethnographies (first-hand accounts by anthropologists who have lived among peoples of various cultures, including ourselves, throughout the globe). Prerequisite: SOC 111 or 112.
- SOC 324. CULTURE AND SEX** 4 sh
 This course examines human sexuality from a biocultural perspective, exploring the physiology of human sexuality and the cross-cultural context of sexual expression. Themes include alternative sexual lifestyles, sexual dysfunction the symbolic dimensions of sexuality and AIDS. Prerequisite: SOC 111 or 112.
- SOC 325. CULTURE AND HEALTH** 4 sh
 This study of the biocultural basis of health and disease over time and across cultures examines the importance of culture in the experience of illness, diagnosis and treatments. Topics include the cultural implications of food and food habits, health care practices, the relationship of healers and patients, alternative health care practices and the relationship of mind and body in illness and recovery. Prerequisite: SOC 111 or 112.
- SOC 326. CULTURE OF THE CORPORATION** 4 sh
 This course investigates culture as found in corporations, compares the organization of work in corporate settings to work experience in other cultures and analyzes companies in terms of organizational cultures including management strategies, the company gestalt, rituals, formal and informal roles, subcultures, etc. Prerequisite: SOC 111 or 112.
- SOC 327. ENCOUNTERING THE SACRED** 4 sh
 Students develop an understanding of non-Western views of the world through intellectual and experiential study of Native American perspectives. Anthropological concepts are used in conjunction with non-Western methods of understanding. The course emphasizes the power of the oral tradition as a learning tool and explores the continuities and diversities of the Native American belief systems. Experiential activities include conversations with Native American healers and leaders, participation in pow wows and a variety of outdoor activities designed to help the students develop an animistic perspective. Prerequisite: SOC 111 or 112.
- SOC 328. CULTURE AND THE MODERN WORLD** 4 sh
 This course examines the changes that have created the “modern” world. The course initially considers social and cultural changes in Europe and America during the 19th and 20th centuries, including changes in public ideas and values, economics, politics, religion, family life, community, education and public ceremony. A key theme will be the impact on self experience. The second part of the course focuses on these issues as they are occurring presently within the developing countries. The nature and influence of an emerging “global community” will be examined. Prerequisite: SOC 111 or 112.
- SOC 329. PEOPLES AND CULTURES OF SOUTHEAST ASIA** 4 sh
 This course examines the area cultural anthropologists designate as Southeast Asia. Major sources include the Paleolithic record for an understanding of demographics, population, migration patterns, human biological variation (race) and cultural continuities. This course focuses on five central themes: (1) the diverse ethnic population and cultures of Southeast Asia; (2) the pattern of ecological adaptation; (3) marriage practices and family life; (4) ideology and ritual expressions, including the spiritual realms and religious life and (5) problems of modernization and culture change. Prerequisite: SOC 111 or 112.

SOC 331. THE SELF AND SOCIETY

4 sh

Self and society involves the ways individuals are influenced by social interaction with others, with attention to the interaction processes of socialization, developing an identity and individual identities affecting interactions. Other topics include the impact of social change, increased technological developments in everyday life and postmodernism on the self, and the sociological perspectives of symbolic interactionism and dramaturgy. Prerequisite: SOC 111.

SOC 332. CONTEMPORARY ENVIRONMENTAL ISSUES AND HUMAN VALUES

4 sh

This course has three distinct but interrelated components and focuses on the interaction between environmental concerns and human cultural systems. One section of study centers upon historical and macro-theoretical perspectives on environmental issues. Another specific focus is on understanding the American culture and how our particular values and priorities have manifested themselves vis-a-vis the natural environment. A third component focuses on the growing need for environmental planning from local to global on all levels.

SOC 333. SOCIAL STRATIFICATION

4 sh

This study of societal patterns of inequality includes consideration of differences in wealth, power, prestige and knowledge. Students examine the access levels groups have to these resources and the subsequent effects of their access level on educational opportunity, housing, health care, justice before the law, self esteem and life satisfaction. The stratification systems of the different societies are studied, but the primary focus is on institutionalized inequality in the U.S. Prerequisite: SOC 111.

SOC 341. ETHNIC AND RACE RELATIONS

4 sh

Students examine the meaning of minority group status in terms of the general patterns and problems confronting all minorities as well as the specific issues facing individual minority groups such as African-Americans, Jews, European-Americans and Asian-Americans. Discussion emphasizes the nature of prejudice and discrimination, the structure of minority-majority relations and strategies toward social equality. Prerequisite: SOC 111.

SOC 342. SOCIAL DEVIANCE

4 sh

This course considers deviance and social control in societal context. Emphasis is placed on the ways in which deviance is defined cross-culturally and on the different ways in which deviants are labeled and treated. The course focuses on sociocultural explanations of deviance within such areas as mental and physical health, drug use, sexual expression, aggression and personal identity. The relationship between deviance and social stratification is examined. Prerequisite: SOC 111.

SOC 343. SOCIAL AND CULTURAL CHANGE

4 sh

Concern for the nature and direction of modernization provides a foundation in this course as students analyze patterns of social and cultural change (especially in technologically advanced societies such as the U.S.). Topics include innovation, diffusion, evolution, revolution, collective behavior and social movements, with emphasis on the causes of patterns and their effects on individual and public life. Prerequisite: SOC 111.

SOC 344. SOCIOCULTURAL CHANGE IN INDIA

4 sh

This course uses the world-recognized Comprehensive Rural Health Project located in Jamkhed, India, as a case study of progressive social change. A reliance on grass roots-level efforts, appropriate technology and long-term strategies has made this project very successful, especially in its ability to positively impact the lives of women and children. Various sociological theories and methodologies will be examined in the context of this case study. Both ethnographic and quantitative data collected both by the instructor and from CRHP sources will be presented, examined and analyzed. The possibility of "transplanting" this model to other cultural settings will be discussed. Students will be asked to research a social change organization of their choosing as part of this class. Prerequisite: SOC 111 or 112.

- SOC 345. SOCIOCULTURAL PERSPECTIVES ON GENDER** 4 sh
 Students use sociological and anthropological perspectives, theories and concepts to analyze the meaning of being female and male in American society. Discussion emphasizes the inequities based upon gender, particularly the problems faced by women. Prerequisite: SOC 111 or 112.
- SOC 347. COMMUNITY ORGANIZATION AND DEVELOPMENT** 4 sh
 Students explore characteristics of the changing pattern of community life by examining community organizations and analyzing the effect of change on community integration and development. The course emphasizes the types of relationships which people and organizations enter into or form by clustering in the same location. Democratic processes in community action and principles of organization are also examined. Prerequisite: SOC 111.
- SOC 351. SOCIOLOGY OF POPULAR CULTURE** 4 sh
 This course studies the nature and significance of culture as this is presented to the public through movies, magazines, newspapers, television, music, radio, popular fiction, spectator events and mass-produced consumer goods. The course will focus on patterns of production, distribution and consumption of popular culture; thematic issues and effects on behavior. A special concern will be the relationship of popular culture images to "visions of the good life" in the modern U.S. Prerequisite: SOC 111.
- SOC 355. SOCIOLOGY OF CRIME** 4 sh
 This course provides a sociological explanation of crime, with a focus on the relationship between social structure and criminal behavior. Included in this approach are studies of individual criminal behavior. Both classic and contemporary theories of crime are explored; emphasis is placed upon the American context.
- SOC 361. READINGS IN SOCIOLOGY** 4 sh
 In this colloquium of significant readings in sociology, students explore specific substantive topics, key theoretical issues and new developments in the discipline. Prerequisites: junior or senior standing, SOC 111 or 112. Offered fall.
- SOC 362. READINGS IN ANTHROPOLOGY** 4 sh
 In this colloquium of significant readings in anthropology, students explore specific substantive topics, key theoretical issues and new developments in the discipline. Prerequisites: junior or senior standing, SOC 111 or 112. Offered fall.
- SOC 363. LATIN AMERICAN SOCIAL MOVEMENTS** 4 sh
 This course uses anthropological and sociological case studies of Latin American and Latino social movements to examine the causes, processes and consequences of contemporary struggles for social change. We focus primarily on movements during the 1980s and 1990s. Special attention is paid to the roles played by military repression, the Catholic Church, paramilitary groups and non-governmental organizations (NGOs). We look at how workers, women and indigenous peoples are shaping popular movements, as well as their reception by national and transnational elites, including the U.S. government.
- SOC 364. INEQUALITY AND DEVELOPMENT IN LATIN AMERICA** 4 sh
 This course examines the persisting extreme disparity between rich and poor in Latin America, with special attention to the promise and problems of post-World War II development. We draw on historical material and case studies to examine the roles of modernization and dependency theories; the World Bank and IMP; the women's movement; grassroots struggles; non-governmental organizations (NGO's) and neoliberal policies in shaping and reshaping development. The current push for "free trade" policies is evaluated in light of criteria from emerging models for more sustainable, participatory development.

- SOC 370-379. SPECIAL TOPICS IN SOCIOLOGY** 2-4 sh
 This series of courses reflecting new contributions in sociology or sociological issues.
 Prerequisite: to be determined by instructor.
- SOC 380-389. SPECIAL TOPICS IN ANTHROPOLOGY** 2-4 sh
 This series of courses reflects new contributions in anthropology or anthropological issues. Prerequisite: to be determined by instructor.
- SOC 451. COMPREHENSIVE REVIEW IN SOCIOLOGY** 2 sh
 Students review the major theories, principles and concepts in sociology as preparation for major evaluation. This course is intended primarily for senior sociology majors and sociology minors. Students from other areas who seek a review of the field also may take this course. Prerequisites: must be sociology major, minor or have permission of the instructor and be at least a junior. Offered spring.
- SOC 461. SENIOR SEMINAR IN SOCIOLOGY** 4 sh
 This capstone course reviews major areas of sociology and provides further opportunity to share research on these topics. Students conduct research ranging from how sociological knowledge can be applied occupationally and politically to more basic, academic topics. Prerequisite: senior sociology major. Offered fall.
- SOC 471. SEMINAR: SPECIAL TOPICS** 2-4 sh
- SOC 481. INTERNSHIP IN SOCIOLOGY** 1-4 sh
 Teaching, research, service and occupational internships are offered. Limited to four semester hours credit applicable to sociology major or minor. Prerequisites: department permission and must be at least a sophomore.
- SOC 482. INTERNSHIP IN ANTHROPOLOGY** 1-4 sh
 Teaching, research, service and occupational internships are offered. Limited to four semester hours credit applicable to sociology major or minor, or anthropology minor. Prerequisites: department permission and must be at least a sophomore.
- SOC 491. INDEPENDENT STUDY** 1-4 sh
- SOC 499. INDEPENDENT RESEARCH IN SOCIOLOGY AND ANTHROPOLOGY** 1-8 sh
 The student develops an individual project of original research under the guidance of a professor within the department. Prerequisites: at least sophomore standing; sociology major or minor, or anthropology minor; satisfactory completion of SOC 215 or SSC 285; and permission of the sponsoring professor. Students are also required to complete the department's Independent Research form, a process that includes a description of the proposed research and a student-professor plan for completing the course.

224

Sports Medicine

See Athletic Training Major or Exercise/Sports Science Major.

Theatre Arts

Chair, Department of Performing Arts: Associate Professor McNeela
 Assistant Professors: Becherer, Gang, K. Lee, Ma, Rubeck, Sabo, Webb
 Adjunct Instructors: Flannery, Hyers, Johnson

The study of Theatre Arts can be a vital part of a liberal arts education. Creativity, teamwork, problem-solving, communication skills and critical thinking are all enhanced by this study, regardless of the student's eventual career goals.

The Department of Performing Arts offers a bachelor of fine arts (BFA) degree in Theatre Arts with an acting emphasis, and a bachelor of arts (BA) degree in Theatre Arts. A minor is also available. The BFA degree is intended for the student who wishes to pursue a professional career in theatre. Students completing this degree may also pursue further graduate training. The BA in theatre is a liberal arts degree from which students may pursue various options, including possible graduate study or possible entry into the professional world.

The course of study within both majors emphasizes a thorough grounding in all areas of the theatre (performance, production, design, directing, theatre history and literature.) The BFA degree is then completed with intense training in acting, while the BA student will select electives to complete his/her major. To provide practical application of coursework, students are expected to participate actively in department productions. For those interested in a career in theatre, regular opportunities exist for contact with the professional world through regional and national conferences, conventions, auditions and competitions.

The minor in Theatre Arts is designed for the general theatre enthusiast. Students complete a study of the base-level skills in performance, production and theory, followed by advanced study in a selected area. The purpose of this study is to create more informed audience members and avocational participants.

A major in Theatre Arts (BFA degree, Acting emphasis) requires the following courses:

THE 120	Acting I	4 sh
THE 210	Technical Production in Theatre	4 sh
THE 220	Acting II	4 sh
THE 221	Acting III	4 sh
THE 222	Fundamentals of Make-up Design and Application	2 sh
THE 225	Vocal Production	4 sh
THE 230	Playscript Analysis	4 sh
THE 301	Theatre History and Literature I	4 sh
THE 302	Theatre History and Literature II	4 sh
THE 320	Acting IV – Special Topics – Repeatable	12 sh
THE 340	Theatre Design	4 sh
THE 430	Play Direction	4 sh
THE 495	Senior Seminar	4 sh
Eight semester hours of electives selected from:		8 sh
Private Voice or Studio Dance (up to four credit hours, total)		
Additional hours of THE 320		
Winterstock Theatre (up to four credit hours, total)		
Theatre, Dance or Voice Ensemble (up to four credit hours, total)		
English or Foreign Language courses with a focus on		
Dramatic Literature (up to four credit hours, total)		
TOTAL		66 sh

A major in Theatre Arts (BA degree) requires the following courses:

THE 120	Acting I	4 sh
THE 210	Technical Production in Theatre	4 sh
THE 220	Acting II	4 sh

THE 230	Playscript Analysis	4 sh
THE 301	Theatre History and Literature I	4 sh
THE 302	Theatre History and Literature II	4 sh
THE 340	Theatre Design	4 sh
THE 430	Play Direction	4 sh
THE 495	Senior Seminar	4 sh
Twelve semester hours (at least eight semester hours at 300-400 level) selected from:		12 sh
Electives in THE or MTE		
Dramatic literature courses (ENG 342, 343, 352 or any course in English or Foreign Language which focuses on dramatic literature.)		
TOTAL		48 sh

Emphasis Tracks

Selections from the following series of electives are recommended for BA students who wish to focus their study on either Performance or Design and Production. Students must complete 12 semester hours (at least eight semester hours at 300-400 level).

(a) Performance Track:

THE 221	Acting III	4 sh
THE 222	Fundamentals of Make-up Design and Application	2 sh
THE 223	Theatre Ensemble	1 sh
THE 225	Vocal Production and Diction	4 sh
THE 310	Advanced Projects in Theatre	2-4 sh
THE 320	Acting IV: Special Topics	4 sh
THE 330	Playwriting	4 sh

(b) Design and Production Track:

THE 210	Theatre Workshop	2-4 sh
THE 222	Fundamentals of Make-up Design and Application	2 sh
THE 310	Advanced Projects in Theatre	2-4 sh
THE 440	Special Topics in Theatre Production and Design	4 sh

A minor in Theatre Arts requires the following courses:

THE 101	Introduction to Theatre	4 sh
THE 123	Acting for Nonmajors	4 sh
THE 210	Technical Production in Theatre	4 sh
Eight hours THE electives at the 300-400 level		8 sh
TOTAL		20 sh

THE 101. INTRODUCTION TO THEATRE

4 sh

Students explore the nature of theatre, how it is created and how it functions in society. Primary study covers the diversity of the art form, basic terminology and the event/audience relationship. Performance reaction papers, creative projects and lab hours are required. Offered fall or spring. (THE 101 is the same course as FNA 101.)

- THE 110. THEATRE WORKSHOP** 2-4 sh
Students work with a professor to earn credit for hands-on experiences in theatrical production. Maximum four semester hours credit. Offered fall, winter and spring.
- THE 120. ACTING I** 4 sh
Students learn to free and expand their physical and vocal instruments, removing tension and inhibitions to become flexible, creative and expressive performers. Prerequisite: theatre arts/music theatre majors or permission of instructor. Offered fall.
- THE 125. ACTING FOR NONMAJORS** 4 sh
This course is designed to meet the interests of the nonmajor. With this course's dual focus, students gain experience in acting and examine topics such as the art of acting, leading to a more informed audience respondent. Performance reaction papers are required. Offered fall and spring.
- THE 210. TECHNICAL PRODUCTION IN THEATRE** 4 sh
Students learn the basics of theatrical production in scenery and lighting, including fundamental drafting skills. An intensive hands-on lab is required. Offered fall.
- THE 220. ACTING II** 4 sh
Students work toward more effective communication by developing physical, vocal and imaginative acting skills. Character development and improvisation create the core work leading to deeper understanding of actors' working methods. Performance reaction papers are required. Prerequisite: THE 120. Offered fall.
- THE 221. ACTING III** 4 sh
Students prepare scenework exercises to continue developing acting skills with focus on realistic drama approached through a Stanislavski-based methodology. Performance reaction papers are required. Prerequisite: THE 220. Offered spring.
- THE 222. FUNDAMENTALS OF MAKE-UP DESIGN AND APPLICATION** 2 sh
Students learn the basic art of two-and three-dimensional stage make-up design and application, including corrective, age, fantasy and prosthetics. Students must purchase a make-up kit. Offered fall and spring.
- THE 223. THEATRE ENSEMBLE** 1 sh
Students earn credit for performing in department productions. This course is repeatable. Prerequisite: admission by audition only. Offered fall and spring.
- THE 225. VOCAL PRODUCTION AND DICTION** 4 sh
Students study correct speaking voice production and diction for the standard American dialect, including the mechanics of speech, identification and correction of vocal problems; the International Phonetics Alphabet and standard production of vowel and consonant phonemes. Voice reaction papers and in-class presentations required. Offered spring.
- THE 230. PLAYSRIPT ANALYSIS** 4 sh
Students learn various methods of analyzing playscripts as a basis for interpretation for all theatre artists. Performance reaction papers are required. Offered fall.
- THE 301. THEATRE HISTORY AND LITERATURE I** 4 sh
Students explore the origins of the art form and its development through the 17th century, emphasizing understanding the historical context of the text and its performance conditions and methods by studying representative plays of each period. A major research assignment is required. Offered fall.
- THE 302. THEATRE HISTORY AND LITERATURE II** 4 sh
Students further explore the evolution of the art form from the 17th century to the present with emphasis on understanding the historical context of the text and its performance conditions and methods by studying representative plays of each period. A major research assignment is required. Offered spring.

THE 310. ADVANCED PROJECTS IN THEATRE 2-4 sh

Advanced, experienced theatre students earn credit for assuming major responsibilities in department productions. May be repeated for credit. Prerequisites: permission of instructor, availability of projects. Offered fall, winter and spring.

THE 320. ACTING IV: SPECIAL TOPICS 2-4 sh

In this course for advanced performers, each semester examines a different topic such as audition techniques, stage dialects, acting for the camera and period style. Performance reaction papers are required. May be repeated for credit. Prerequisites: THE 220, 221; majors only. Offered fall and spring.

THE 330. PLAYWRITING 4 sh

Students learn the skills, working methods and processes of theatrical playwriting by studying playscripts, known playwrights and strenuous writing assignments. Study culminates in a completed one-act script.

THE 340. THEATRE DESIGN 4 sh

As students learn to interpret text into visual design in scenery, costumes and lighting, study focuses on decision-making, conceptualization, manipulating the elements and principles of design, communicating the design and coordinating production design. Production reaction papers and lab hours are required. Prerequisite: THE 210 or permission of the instructor. Offered spring.

THE 363-64. WINTERSTOCK THEATRE 4 sh

Students earn credit for participation in departmental productions during winter term. Prerequisite: by audition only. Offered winter.

THE 430. PLAY DIRECTION 4 sh

Working methods of the stage director, from analysis through rehearsal, are the focus of this study, which culminates in a scene project by each student. Discussion emphasizes decision-making and communicating with actors. Production reaction papers are required. Prerequisites: THE 220, 230. Offered spring.

228 THE 440. SPECIAL TOPICS IN THEATRE PRODUCTION AND DESIGN 2-4 sh

Students conduct an in-depth examination of a different topic each semester, such as scenic design, lighting design, costume design, production stage management and technical direction. Production reaction papers are required. May be repeated for credit. Prerequisites: THE 210, 230, 340.

THE 495. SENIOR SEMINAR 4 sh

This capstone experience for senior Theatre Arts majors concentrates on two areas: a practical project demonstrating proficiency in the field and preparation for graduate study or work in the profession. Prerequisite: senior majors only. This course is two semesters in length. Students must take both semesters. Offered fall and spring.

Women's Studies/Gender Studies

Coordinator: Associate Professor Festle

The Elon University Women's Studies/Gender Studies program offers an interdisciplinary collection of courses focusing on the study of women, the ways men's and women's lives have been organized around gender, and gender inequality. Diverse faculty members offer rigorous, interesting courses that utilize up-to-date scholarship. The extensive course offerings differ from year to year and come from a variety of fields, including upper-level interdisciplinary seminars.

The Women's/Gender Studies program raises awareness of how gender interacts with differences based on nationality, race, socioeconomic class, religion, sexual orientation and age. It develops in students critical thinking about gender that will translate into a habit of

analysis about the world around them. WG minors, who are both male and female, integrate knowledge across disciplines and seek to connect knowledge to the world around them. They are educated citizens committed to justice and equality.

A minor in Women's/Gender Studies complements any major and contributes to personal growth as well. Elon WG minors go to graduate school; they have careers in social services, business, politics, teaching and many other fields and they make a distinctive impact on their families and communities.

An independent major in Women's Studies/Gender Studies is also possible.

A minor in Women's Studies/Gender Studies requires the following:

Sixteen semester hours chosen from these courses: 16 sh

- GST 270-WG Women, Men and Society
- ECO 317-WG Economics of Gender
- ENG 333-WG Women in Literature: Feminist Approaches
- ENG 356-WG The Novel: British Women Writers
- ENG 361-WG Gender Issues in Cinema
- GST 110-WG The Global Experience
- GST 257-WG Women, Culture and Development
- GST 369-WG Men and Masculinity
- HST 364-WG History of Women in the United States
- PHL 345-WG Feminist Philosophy
- POL 241-WG International Relations
- PSY 215-WG Psychology of Personal Relationships
- PSY 315-WG Psychology of Sex and Gender
- REL 347-WG Women and Religion
- SOC 345-WG Sociocultural Perspectives on Gender
- WGS 371-379 Special Topics in Women's Studies/Gender Studies

229

Other Women's Studies/Gender Studies courses*

Four semester hours at the 400-level. Possibilities include: 4 sh

- 400 level courses with the WG suffix
- WGS 461-9 Seminars on Various Topics
- WGS 481 Internship in Women's/Gender Studies (one to four semester hours)
(or discipline-specific internship cross-listed with WG)
- WGS 491 Independent Study (1-4 sh)

TOTAL **20 sh**

* Other courses cross-listed with disciplines will be offered from time to time, with a suffix "WG" indicating that they may be used to fulfill Women's Studies/Gender Studies requirements.

WGS 371-379. SPECIAL TOPICS IN WOMEN'S STUDIES/GENDER STUDIES 4 sh

WGS 461-469. SEMINARS ON VARIOUS TOPICS 4 sh

These interdisciplinary seminars combine two or more approaches in feminist and/or gender scholarship, with varying concentrations on significant topics. Prerequisites: junior standing and two women's studies/gender studies courses.

WGS 481. INTERNSHIP IN WOMEN'S STUDIES/GENDER STUDIES 1-4 sh

Teaching, research, service and occupational internships focusing on women/gender issues are offered. Prerequisites: two Women's Studies/Gender Studies courses and permission of coordinator.

WGS 491. INDEPENDENT STUDY 1-4 sh