

CJS 371-379. SPECIAL TOPICS IN CRIMINAL JUSTICE 2-4 sh

A series of courses reflecting new contributions to the Criminal Justice field and in-depth treatments of topics of special interest, such as terrorism and organized crime. Prerequisites: junior standing and at least one core course, or permission of the instructor. Courses may be cross-listed with other disciplines.

CJS 481. INTERNSHIP IN CRIMINAL JUSTICE 2-4 sh

Students apply classroom knowledge to a law enforcement setting. Internships in a criminal justice setting taken from other disciplines might substitute for CJS 481; approval for any such substitutions must be obtained from program coordinator before registration. Prerequisites: junior standing, at least one core course and approval of instructor and program coordinator.

CJS 491. INDEPENDENT STUDY 1-4 sh

Advanced study on a topic of special interest. Prerequisites: junior standing, at least one core course and approval of instructor and program coordinator.

CJS 499. RESEARCH 1-4 sh

In collaboration with a faculty member, students undertake an empirical or theoretical study of a topic in the realm of Criminal Justice studies. Research projects may include a review of the relevant research literature, data collection and analysis, and a presentation or report when the study is completed. Prerequisites: junior standing, at least one core course and approval of instructor and program coordinator. A research proposal form completed by the student in conjunction with the faculty member is required for registration.

Dance

Chair, Department of Performing Arts: Associate Professor McNeela
 Associate Professor: Wellford
 Assistant Professors: Ma, Sabo
 Adjuncts: Bower, Hutchins, Medler, Roberts, Serrano, Shatterly, Wheeler

The Bachelor of Arts degree in Dance is designed for students who want to acquire a strong liberal arts and sciences background while pursuing a solid undergraduate dance education. The degree stresses performance and choreography as well as dance theory courses, including dance history, human anatomy, dance pedagogy and dance production.

The primary goal is to train students in the rudiments of dance technique, composition, history, pedagogy, performance and aesthetics in order for them to develop virtuosity in a variety of dance genres as teachers, choreographers and performers of dance. Studio technique classes range from beginning to advanced level and include ballet, modern, jazz and tap.

Students in the minor program are required to complete at least the beginning level in three of these areas and at least an intermediate level in two areas. Students round out their training with History of Dance and Dance Choreography classes.

Numerous performance opportunities are also available through Elon Dancers, choreographic showings, major dance concerts, musicals and various other events.

A major in Dance requires the following courses:

DAN 223	Dance Ensemble (1st of 2 required semesters)	1 sh
DAN 223	Dance Ensemble (2nd of 2 required semesters)	1 sh
DAN 301	History of Dance	4 sh

DAN 330	Dance Improvisation	4 sh
DAN 430	Dance Choreography	4 sh
DAN 495	Senior Seminar	4 sh
Eight semester hours of dance technique courses selected from:		8 sh

- DAN 104, 204, 304 Modern (1 sh ea.)
- DAN 105, 205, 305 Tap (1 sh ea.)
- DAN 106, 206, 306 Ballet (1 sh ea.)
- DAN 107, 207, 307 Jazz (1 sh ea.)

Students are required to complete at least the beginning level in 4 different technique categories, the intermediate level in at least two separate categories and the advanced level in at least one area. If the student is above the beginning level of technique at his/her entry into Elon, the beginning level requirement is waived by permission of dance faculty and the student may begin his/her technique classes at the intermediate level. Beginning, Intermediate and Advanced technique classes may be taken for repeat credit. Students require the approval of the appropriate dance faculty before moving to the next technical level.

Eight semester hours of dance electives selected from:		8 sh
DAN 310	Advanced Projects in Dance (2-4 sh)	
DAN 320	Special Topics in Dance (2-4 sh)	
DAN 420	Dance for Musical Stage (1 sh)	

Twelve semester hours of general arts elective courses selected from:		12 sh
DAN 101	Introduction to Dance (4 sh)	
DAN 115	Folk, Square and Social Dance (1 sh)	
THE 125	Acting for Non-Majors (4 sh)	
THE 210	Technical Production in Theatre (4 sh)	
THE 222	Fundamentals of Make Up/Design (2 sh)	
FNA 211	Introduction to Fine Arts (4 sh)	
Other arts-related courses may be selected with prior permission of the chair of Performing Arts.		

TOTAL 46 sh

A minor in Dance requires the following courses:

DAN 301	History of Dance	4 sh
DAN 430	Dance Choreography	4 sh

In addition, each minor must complete the following:

- (a) six studio technique classes in three of the following:
 ballet, jazz, modern or tap 6 sh
- (b) electives selected from dance offerings 6 sh
 (At least 2 semester hours at the 300-400 level)

TOTAL 20 sh

DAN 101. INTRODUCTION TO DANCE 4 sh

This course invites dancers and non-dancers to learn basic dances and their history in the area of performing arts and social dances of a variety of periods. The creative process of dance will also be explored. Offered fall only.

DAN 104. BEGINNING MODERN DANCE 1 sh

Students with little or no previous experience in modern dance learn the basic movement vocabulary of modern dance while working on style, musicality, strength, flexibility and correct alignment. May be repeated for credit. Offered fall and spring.

- DAN 105. BEGINNING TAP** 1 sh
The student will be introduced to the basics of rhythm tap, including technique, traditional movement vocabulary, rhythmic sensibility, history and the development of individual style. May be repeated for credit. Offered fall and spring.
- DAN 106. BEGINNING BALLET** 1 sh
Students with little or no previous experience in ballet learn the basic movement vocabulary of modern ballet while working on style, musicality, strength, flexibility and correct alignment. May be repeated for credit. Offered fall and spring.
- DAN 107. BEGINNING JAZZ** 1 sh
Students with little or no previous dance experience learn the basic movement vocabulary of jazz while working on style, musicality, strength, flexibility and correct alignment. It is recommended that a beginning student complete DAN 104 and DAN 106 before taking DAN 107. May be repeated for credit. Offered fall and spring.
- DAN 115. FOLK, SQUARE AND SOCIAL DANCE** 1 sh
This course introduces the student to various folk, square and social dance forms through analysis, demonstration and practice with the objective being knowledge of the characteristics of each form and ability to participate in each.
- DAN 150. DANCE FOR THE MUSICAL STAGE I** 1 sh
This course is designed for the incoming music theatre major. Levels and abilities will be assessed, alignment corrected, fundamental dance technique and conditioning exercises taught and drilled in order to ready the student for dance technique and styles classes required by their major. Students will also learn fundamental locomotor skills and the basic techniques required for jumping and turning. Dance combinations stressing steps and styles historically and traditionally used in the music theatre will be taught to a variety of musical styles. Stress is placed on giving the student a new awareness of and comfort with his or her body: to condition it, to gain the ability to apply dance technique and to learn to express musicality in a physical way. No prerequisite. For music theatre majors only. To be taken in the fall of the music theatre major's first year.
- DAN 204. INTERMEDIATE MODERN DANCE** 1 sh
Students who have mastered the competencies of Beginning Modern Dance further develop and refine technique and increase strength and flexibility in this class. Enhanced musicality and creative expression are stressed. A student must master Intermediate Modern Dance before moving to DAN 304. May be repeated for credit. Prerequisite: DAN 104 or permission of instructor. Offered fall or spring.
- DAN 205. INTERMEDIATE TAP** 1 sh
This course continues to focus on the aspects of DAN 105 plus the introduction of contemporary vocabulary, flash work, improvisation, polyrhythms and choreography. May be repeated for credit. Prerequisite: DAN 105 or permission of instructor. Offered fall and spring.
- DAN 206. INTERMEDIATE BALLET** 1 sh
Students who have mastered the competencies of Beginning Ballet further develop and refine technique and increase strength and flexibility in this class. Enhanced musicality and creative expression are stressed. May be repeated for credit. Prerequisite: DAN 106 or permission of instructor. Offered fall and spring.
- DAN 207. INTERMEDIATE JAZZ** 1 sh
Students with two or more years of dance training further develop and refine technique and increase strength and flexibility in this class. Enhanced musicality and creative expression are important elements of the course. A student must master Intermediate Jazz before moving to DAN 307. May be repeated for credit. Prerequisite: DAN 107 or permission of instructor. Offered fall and spring.

- DAN 223. DANCE ENSEMBLE** 1 sh
Students accepted into this course will perform in departmental dance concerts and must be co-registered in a technique class, preferably at the intermediate or advanced level. Admission by audition only. Offered spring.
- DAN 301. HISTORY OF DANCE** 4 sh
Students explore the evolution of dance as an art from its beginning to 21st century trends. Dance as a performing art and dance as a social and educational art will be covered in this course. Students learn through lectures, discussions, experiential dances and research projects. Offered spring.
- DAN 304. ADVANCED MODERN DANCE** 1 sh
Students who have mastered Intermediate Modern Dance further develop and refine skills in this class. Enhanced physical strength and flexibility are combined with stress upon musicality and creative expression. May be repeated for credit. Prerequisites: DAN 204 and permission of instructor. Offered fall or spring.
- DAN 305. ADVANCED TAP** 1 sh
This course offers continuation of the skills developed in DAN 205 with an intense focus on rhythmic sensibility, development of personal style, choreography and improvisation. Prerequisites: DAN 205 and permission of instructor. May be repeated for credit. Offered fall or spring.
- DAN 306. ADVANCED BALLET** 1 sh
Students who have mastered Intermediate Ballet further develop and refine technical skills in this class. May be repeated for credit. Prerequisites: DAN 206 and permission of instructor. Offered fall or spring.
- DAN 307. ADVANCED JAZZ** 1 sh
Students who have mastered Intermediate Jazz further develop and refine technical skills in this class. May be repeated for credit. Prerequisites: DAN 207 and permission of instructor. Offered fall or spring.
- DAN 310. ADVANCED PROJECTS IN DANCE** 2-4 sh
For this in-depth study of a special topic, the advanced dancer may be given a performance assignment to demonstrate advanced proficiency in the field (e.g., dance captain for a theatre production, major choreographic duties in department productions, major role in guest choreographer's concert piece, internship at local dance studio culminating in both performance and choreographic work or an independent research project). Prerequisite: advance permission of instructor.
- DAN 320. SPECIAL TOPICS IN DANCE** 2-4 sh
Topics for this in-depth study vary each semester it is offered and may include Black Theatre & Dance, Dance in Worship, Dance Repertory, etc. May be repeated for credit.
- DAN 330. DANCE IMPROVISATION** 4 sh
This course is about the practice of creativity through movement. The student will learn and apply locomotor and non-locomotor movements (learned and spontaneous) into meaningful dance combinations. Additional content areas include study of the four elements of dance (body, force, time and space), movement stimulated by music, visual art, words, colors, props, senses and everyday situations. Offered spring.
- DAN 420. DANCE FOR MUSICAL STAGE II** 1 sh
Students will become familiar with various music theatre styles from selected historical periods, students also learn dance audition and performance methods for music theatre. Prerequisite: senior music theatre majors or permission of instructor. Offered fall or spring.

DAN 430. DANCE CHOREOGRAPHY 4 sh

Students will explore the tools used to create dance, namely movement, time, space, shape, design, dynamics, sound, text properties and visual effects. This course is designed for students with previous dance experience. Not open to freshmen or sophomores except in unusual circumstances. Prerequisites: DAN 330 and at least two dance technique classes or permission of instructor. Offered fall.

DAN 495. SENIOR SEMINAR IN DANCE 4 sh

This course represents the culmination of the students' undergraduate training in the performing arts area of dance. Each student will assume total responsibility for a major project in dance which reflects the student's area of interest (such as choreography, performance or teaching). A second component of the course will be preparation of materials necessary for enrollment in graduate school or dance profession. This project must be approved by the professor in charge of this course. The professor will serve as an advisor and will not be used as a choreographer, director or creator of the project in any way. The student is required to produce written work to illustrate preparation, process, research and self-evaluation of the project. Finally, Departmental Assessment will take place where the student is required to demonstrate overall knowledge in the major.

Economics

The Martha and Spencer Love School of Business mission statement.
To provide instruction and experiences for our students so they graduate with the knowledge, skills and character essential for responsible business leadership in the 21st century.

Chair, Department of Economics: Associate Professor Lilly
 Professor: Tiemann
 Associate Professors: Barbour, J. Das, DeLoach, Redington
 Assistant Professors: DiRienzo, Platania

Economics explores a broad range of questions about society and uses a wide variety of methods to answer those questions. The courses offered by the Department of Economics are designed to help students develop economic reasoning: a particular way of looking at the world that is useful in government service, business, the law and many other fields.

The goal of the economics faculty is to teach students to "think like an economist." This goal is achieved within an extremely flexible major. The department has defined specific tracks that will help students apply their knowledge in a number of areas and help achieve their aspirations. While the tracks provide a suggested framework of classes for students with varied interests, a track is not required for either a major or a minor in economics. The financial economics track would apply if a student plans a future in finance or banking; the international economics track for those interested in international careers; the public policy track if the interest is in government service; the economic analysis track for those in market analysis and the mathematical economics track for students interested in graduate school.

A major in Economics requires the following courses:

MTH 112	General Statistics	4 sh
MTH 116	Applied Mathematics with Calculus	4 sh or
MTH 121	Calculus and Analytic Geometry I	
ECO 201	Principles of Economics	4 sh
ECO 203	Statistics for Decision-Making	4 sh
ECO 310	Intermediate Macroeconomic Theory	4 sh

ECO 311	Intermediate Microeconomic Theory	4 sh
ECO 498	Senior Thesis Research in Economics	2 sh
Twenty hours ECO electives at the 300-400 level, with:		20 sh
At least four hours from courses designated Applied Macroeconomics (ECO 302, 314)		
At least four hours from courses designated Applied Microeconomics (ECO 301, 335, 421, 432)		
At least four hours from the 400 level		
No more than eight hours of travel, internship, independent study and research credit may be counted toward economics elective credit.		

TOTAL 46 sh

A minor in Economics requires the following courses:

MTH 112	General Statistics	4 sh
ECO 201	Principles of Economics	4 sh
ECO 203	Statistics for Decision-Making	4 sh
One course from the following:		4 sh
ECO 310	Intermediate Macroeconomic Theory	
ECO 311	Intermediate Microeconomic Theory	
Eight hours from other ECO electives		8 sh
No more than four hours of travel, internship, independent study and research credit may be counted toward economics elective credit.		

TOTAL 24 sh

ECO 201. PRINCIPLES OF ECONOMICS 4 sh

An introduction to the fundamentals of both microeconomics and macroeconomics, including supply and demand, the theory of the firm, consumer behavior, macroeconomic equilibrium, unemployment and inflation. The course also introduces students to economic methodology, including creating arguments, empirical verification and policy decision-making. Offered fall, spring and summer.

ECO 203. STATISTICS FOR DECISION-MAKING 4 sh

Applications of statistics to create knowledge useful for decision-making. Bayesian probability, hypothesis testing, process and quality control and multivariate statistics, including multiple linear regression and forecasting are among the topics covered. A standard spreadsheet program will be used for most applications and oral and written presentation of statistical results will be required. Prerequisite: MTH 112.

ECO 271. SEMINAR: ECONOMIC ISSUES 1-4 sh

A series of courses covering contemporary issues in economics not otherwise covered in the curriculum. The topics will vary around a common theme of timeliness. These courses are appropriate to students from across the university irrespective of major or level.

ECO 301. BUSINESS ECONOMICS 4 sh

What functions do firms serve, and where do firms fit in a market economy? We will explore these questions by analyzing two perspectives. The first perspective is that firms are rational agents in markets, maximizing profits subject to the constraints of demand, production, cost and market structure. The second perspective is that a firm is a complex organization that has emerged in response to problems of information, strategy and value maximization. In the first perspective, firms are subordinate to markets. In the second perspective, the firm can often coordinate activity more effectively than mar-

kets. How – and when – is this possible? Applied Microeconomics. Prerequisites: ECO 201, 203 and MTH 116 (or 121). Offered fall, spring and summer.

ECO 302. MONEY AND BANKING 4 sh

Students learn about the history and structure of the U.S. financial system. Exploration of the interaction between the primary financial markets – money, bonds and foreign exchange – is fundamental to this understanding. The theory and conduct of monetary policy is also developed, with particular attention paid to the evolution of the international monetary system. Applied Macroeconomics. Prerequisites: ECO 201 and 203. Offered spring.

ECO 310. INTERMEDIATE MACROECONOMIC THEORY 4 sh

This course concentrates on the theory of economic growth and the business cycle. Building on the simple Keynesian spending model, the IS-LM general equilibrium model is developed. Current policy debates, as well as debates within the discipline are explored and evaluated. Particular emphasis will be placed on the interaction of the theoretical and empirical components of macroeconomics. Prerequisites: ECO 201 and 203. Offered fall.

ECO 311. INTERMEDIATE MICROECONOMIC THEORY 4 sh

With this study of how individual agents, both firms and households, interact in various kinds of markets, students gain a better understanding of household economic behavior, firm behavior and the conditions under which prices can most effectively allocate scarce resources. Prerequisites: ECO 201 and 203. Offered spring.

ECO 314. INTERNATIONAL TRADE AND FINANCE 4 sh

This course focuses on how policies implemented by a country, both in trade and finance, influence its welfare at home and abroad. Topics in trade include specialization and gains from trade, determinants of trade patterns, the role of increased globalization on a nation's competitiveness and its distribution of income, the political economy of protectionism at the national, regional (NAFTA, EU) and international (WTO) levels as well as the use of trade policies to influence development and growth. Topics in finance include balance on international payments, the foreign exchange market, the economic policy adjustments under fixed and flexible exchange rates and focuses on the problems of international finance and international investments across countries. Applied Macroeconomics. Prerequisite: ECO 201. Offered spring.

ECO 315. ECONOMIC HISTORY 4 sh

This course introduces and analyzes the importance of economic issues in the history of nations and regions. In the words of J.M. Keynes, "Indeed the world is driven by little else." The course is structured so that work will focus on a particular region of the world. The overarching objective of the course is to develop students' appreciation of the importance of economic activity and economic structures in the historical development of society. Prerequisites: junior standing or ECO 201.

ECO 317. GENDER AND DEVELOPMENT 4 sh

This course is designed to help students investigate the economic status of women in the labor market, how that role has changed over time and the differences between labor market outcomes for both men and women. It involves a comparison of women and men with respect to labor supply (market and nonmarket work), wage rates, occupational choices, unemployment levels and the changing role of work and family. Topics include discrimination, pay inequity, occupational segregation, traditional and nontraditional work, resource ownership, poverty, race, the global economic status of women and public policy issues such as comparable worth and family-friendly policies designed to bridge the gap between women and men. Prerequisites: junior standing or ECO 201.

ECO 335. ENVIRONMENTAL ECONOMICS 4 sh

This course explores the interactions of economic forces and policies with environ-

mental issues. What are the costs of pollution and what are we buying for those costs? Who bears the burden of environmental damage? How might we reduce environmental impact and how do we decide how much damage is appropriate? Applied Microeconomics. Prerequisite: ECO 201. Offered fall.

ECO 347. INTRODUCTION TO ECONOMETRICS 4 sh

This course explores the statistical problems associated with the measurement and evaluation of economic models. As such, it requires the simultaneous consideration of economic theory. The focus of the course is on the application of econometric techniques to real world problems encountered in economics. We begin with simple regression analysis and proceed to investigate the problems of multicollinearity, heteroskedasticity and autocorrelation. Advanced topics include limited dependent variable models and cointegration. Prerequisites: ECO 203 and MTH 116 or higher or permission of instructor.

ECO 348. MATHEMATICAL ECONOMICS 4 sh

This course is designed to provide students in economics and mathematics with an opportunity to learn and use the tools of economics in the manner in which they are employed in the profession. While mathematical techniques such as constrained optimization and multi-dimensional modeling will be taught, the principle aim of the course is to develop students' facility with using mathematics as a basis for economic reasoning. Prerequisites: ECO 203 and MTH 116 or higher or permission of instructor.

ECO 351. EUROPEAN UNION (EU) STUDY TOUR 4 sh

This travel course is an opportunity to see the development of the largest single economic unit ever to exist on Earth through the eyes of those who live within it. While traveling through the EU, students meet with people who are directly involved in the day-to-day operation of the European Union bureaucracy and with those who have had a hand in the negotiations that have resulted in the formation of the European Union. Students meet with scholars who have studied the European Union and its likely impacts on various economic, political and social aspects of daily life, both within the European Union and in the rest of the world. The class meets with small business owners who have been and continue to be affected by the developments of the European Union. In addition, we meet with representatives of the United States government and of United States businesses in the European Union. This course is a companion course with BUS 366, which is limited to business majors, and GST 274, which is open to all students. Prerequisite: ECO 201. Enrollment limited to economics majors. This course may not be used to fulfill Advanced General Studies requirements for the university general studies component. Offered in winter term only.

ECO 352. CAFÉ EUROPA: EASTERN EUROPE IN TRANSITION 4 sh

The end of the communist era began a painful process of economic transition across central and eastern Europe. In this course, students travel in this region and spend time meeting with students and professors to learn about how each nation is dealing with this process of change. Though each country must deal with some of the same issues such as macroeconomic stabilization, privatization, restructuring and legal reform, their experiences have been markedly different. One objective is to explore the interaction between these policy goals and the country-specific factors that have had an effect on their success. This course is a companion course with BUS 366, which is limited to business majors, and GST 257, which is open to all students. Prerequisite: ECO 201. Enrollment limited to economics majors. This course may not be used to fulfill Advanced General Studies requirements for the university general studies component. Offered in winter term only.

ECO 371. SPECIAL TOPICS IN ECONOMICS 1-4 sh

A series of courses reflecting new contributions in economics or specialized areas not otherwise covered in the curriculum. Topics have included "Starting a Small Business," "The European Union via the Internet" and "The Economics of Sport." Prerequisites:

will vary with the topic but will generally include junior standing or ECO 201 and 203.

ECO 381. INTERNSHIP IN ECONOMICS **1-8 sh**

This course provides opportunities for students to apply concepts and information gathered in the economics classroom to actual experience in the community. Placements may include businesses, not-for-profit organizations or teaching assistants in lower-division economics classes. Prerequisites: junior standing or ECO 201 and 203 or permission of instructor. Offered fall, winter, spring and summer.

ECO 391. INDEPENDENT STUDY **1-4 sh**

Students pursuing the major or minor in economics may complete individual study in an area of special interest that is not otherwise covered in regular course offerings. Study is to be undertaken under the guidance of a member of the economics faculty. An Independent Study form must be completed prior to registration. Prerequisites: junior standing or ECO 201 and 203 or permission of instructor. Offered fall, winter, spring and summer.

ECO 399. RESEARCH IN ECONOMICS **1-4 sh**

In collaboration with an economics faculty member, students undertake an empirical or theoretical study of a topic in economics. Research topics may include a review of the relevant research literature, data collection and analysis, and a presentation or report when the study is completed. A research proposal form, completed by the student in conjunction with the faculty member, is required for registration. Students may register for 1-4 hours of credit per semester and may register for more than one semester of research. Prerequisites: junior standing or ECO 201 and 203. Offered fall, winter, spring and summer.

ECO 411. HISTORY OF ECONOMIC THOUGHT **4 sh**

Students survey the evolution of economic thought from antiquity to the present and learn to identify and critically evaluate various schools of economic thought. In particular, students will develop a sense of economics as part of the larger sweep of intellectual advancement and the place thoughts about economic matters occupy in human knowledge. Prerequisites: completion or concurrent enrollment in ECO 310 and 311 or permission of instructor.

ECO 421. INDUSTRIAL ORGANIZATION AND REGULATION **4 sh**

Industrial organization is a policy course concerned with the structure of firms and markets and their interactions. Real world market frictions such as limited information, transaction costs, costs of adjusting prices, advertising and research and development expenses, government actions and barriers to entry by new firms into a market will be examined. This course offers a critical understanding of specific industries such as computers, airline, automobile, telecommunications, etc. Students study how firms in such industries strategically react to rivals and customers and further examine the impact of antitrust regulation, public utility regulation and social regulation on American business. Applied Microeconomics. Prerequisites: completion or concurrent enrollment in ECO 310 and ECO 311 or permission of instructor.

ECO 430. EXPERIMENTAL ECONOMICS **4 sh**

This course will develop your ability to learn from experience. We will explore the general principles of experimental design and review the history of experimental economics. The primary student task in the course will be to design, implement, analyze and describe a significant experiment. We will use the statistical software SAS to analyze the data. No previous experience with SAS is needed. Prerequisites: completion or concurrent enrollment in ECO 310 and 311 or permission of instructor.

ECO 432. PUBLIC FINANCE **4 sh**

This course exists at the interface of economics and political science. The principle

issue is an examination of the question: "What is the proper role of government in the economic sphere?" Specific topics include optimal taxation, tax incidence, expenditure analysis, how governments decide among alternative programs, public production and bureaucracy and equity-efficiency tradeoffs. The course deals with the relationships among governments at the federal, state and local levels from both theoretical and applied perspectives. Applications vary from year to year, but will likely include health care, defense, social insurance, welfare and education. Applied Microeconomics. Prerequisites: completion or concurrent enrollment in ECO 310 and 311 or permission of instructor.

ECO 440. URBAN ECONOMICS AND PLANNING **4 sh**

A study of the development of cities and how public policy has and can affect their form and health. Land values, urban problems, urban transportation, zoning and planning and local government finance will be covered. Prerequisites: completion or concurrent enrollment in ECO 310 and 311 or permission of the instructor.

ECO 471. ADVANCED SPECIAL TOPICS IN ECONOMICS **1-4 sh**

A series of courses reflecting new contributions in economics or specialized areas not otherwise covered in the curriculum. Prerequisites: will vary with the topic but will generally include completion or concurrent enrollment in ECO 310 and 311. Offered fall, winter and spring.

ECO 481. ADVANCED INTERNSHIP IN ECONOMICS **1-4 sh**

This course provides opportunities for students to apply concepts and information gathered in the economics classroom to actual experience in the community. Placements may include businesses, not-for-profit organizations or teaching assistants in lower-division economics classes. Prerequisites: will vary with the topic but will generally include completion or concurrent enrollment in ECO 310 and ECO 311 or permission of instructor. Enrollment limited to economics majors. Offered fall, winter, spring and summer.

ECO 491. ADVANCED INDEPENDENT STUDY **1-4 sh**

Students pursuing the major or minor in economics may complete individual study in an area of special interest that is not otherwise covered in regular course offerings. Study is to be undertaken under the guidance of a member of the economics faculty. An Independent Study form must be completed prior to registration. Prerequisites: will vary with the topic but will generally include completion or concurrent enrollment in ECO 310 and ECO 311 or permission of instructor. Enrollment limited to economics majors. Offered fall, winter, spring and summer.

ECO 498. SENIOR THESIS **2-4 sh**

This is the culmination of the economics major and serves as the student's required comprehensive evaluation in the major field of study. For this research project, economics majors work individually with a professor to build on work done in previous courses, culminating in a work of presentation quality. The completed work is to be presented in a public forum such as SURF, national or regional professional society meetings or at a campus-level economics symposium. In addition, all students are to present their work before the collected faculty, students and guests of the economics department. Prerequisites: ECO 310, 311 and eight additional hours of economics numbered 300 or above; senior economics major.

ECO 499. ADVANCED RESEARCH **1-4 sh**

Students engage in advanced undergraduate research under the direction of an economics department faculty member. Predominately this course will be restricted to economics majors and will be in preparation for their senior thesis. Maximum of eight semester hours total credit. Prerequisites: eligibility as determined by the undergraduate research guidelines of Elon University and approval by the department. Enrollment limited to economics majors.