

Dance

Chair, Department of Performing Arts: Associate Professor Rubeck

Professor: McNeela

Associate Professors: Becherer, Gang, Sabo, Wellford

Assistant Professors: Bower, Formato, Kearns, Smith, Webb

Adjuncts: Hutchins, Medler, Roberts, N. Wheeler

The Department of Performing Arts offers a Bachelor of Fine Arts in Dance Performance and Choreography and a minor in Dance. The program gives students a 21st century dance education with a focus on technical training, creative exploration, compositional skills, somatic knowledge, collaborative dance-making and multi-disciplinary performance. The Dance program recognizes the importance of an individual's interaction with the world as a whole person, not just as an artist. Dance artists and theorists are members of the global community, and as such, students are encouraged to explore wide-ranging interests and to find innovative ways to combine their in-depth dance studies with their experience as global citizens to further the field of contemporary dance. Students in the B.F.A. program are encouraged to study and intern abroad. An audition is required for the B.F.A. but not for the minor.

The B.F.A. is a 68 semester hour degree that requires intensive study in technique, composition and theory. It is intended for the student who wishes to pursue graduate studies, professional performance or creative careers in dance.

The minor in Dance is designed for the general dance enthusiast. Students may not declare a minor in Dance until they complete DAN 101. Students must complete 20 semester hours including introductory theory and performance followed by upper level electives.

A major in Dance Performance and Choreography requires the following courses:

DAN	102	Somatic Theories I	4 sh
DAN	202	Somatic Theories II	4 sh
DAN	230	Dance Improvisation I	4 sh
DAN	301	Dance History I	4 sh
DAN	302	Dance History II	4 sh
DAN	231	Dance Choreography I	4 sh
DAN	331	Dance Choreography II	4 sh
DAN	495	Senior Seminar	4 sh
	(a)	Twelve semester hours from the following:	12 sh
DAN	204	Modern III	
DAN	214	Modern IV	
DAN	304	Modern V	
DAN	404	Modern VI	
DAN	206	Ballet III	
DAN	216	Ballet IV	
DAN	306	Ballet V	
DAN	406	Ballet VI	

Students may repeat each technique class once and must reach level V in one genre and level VI in the other.

DANCE

(b) Four semester hours from the following:	4 sh
DAN 107 Jazz I	
DAN 207 Jazz II	
DAN 307 Jazz III	
DAN 407 Jazz IV	
DAN 105 Tap I	
DAN 205 Tap II	
DAN 305 Tap III	
DAN 108 World Dance I (2 sh)	
(c) Sixteen semester hours of dance electives (at least 4 semester hours at the 300-400 level)	16 sh
(d) Four credit hours from the following:	4 sh
DAN 223 Dance Ensemble	
TOTAL	68 sh

A minor in Dance requires the following courses: (No audition required)

DAN 101 Dance Appreciation (This must be completed before a minor can be declared.)	4 sh
DAN 104 Modern I	1 sh
DAN 114 Modern II	1 sh
DAN 106 Ballet I	1 sh
DAN 116 Ballet II	1 sh
Select one course from:	4 sh
DAN 301 History of Dance I	
DAN 302 History of Dance II	
In addition, each minor must complete 8 semester hours of dance electives with a minimum of 4 credit hours at the 300-400 level.	8 sh
TOTAL	20 sh

DAN 101. DANCE APPRECIATION 4 sh

This course invites dancers and nondancers 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 102. SOMATIC THEORIES I 4 sh

This course enables students to explore the body-mind centering theories of Irmgard Bartenieff, Joseph Pilates and classical yoga. Students will learn core movement patterns that pay particular attention to flexion and extension of the spine; rotation; spiraling; pelvis integration; relation of the head, neck and back; and breath. Students will improve movement habits, increase self-awareness of postural and movement characteristics, and move more effectively and efficiently. Offered fall.

DAN 104. MODERN I 1 sh

This is an introductory course in modern dance that develops the group consciousness while introducing individual students to their own movement potential through technical training and movement exploration. Theoretical knowledge of dance as an expressive art form is gained through lecture/discussion based on class work, required readings, written assignments and attendance at dance concerts. This class may be repeated once 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. BALLET I** 1 sh
This is an introductory course in ballet that develops the group consciousness while introducing the individual to his or her own movement potential through technical training. Theoretical knowledge of dance as an expressive art form is gained through lecture/discussion based on class work, required readings, written assignments and attendance at dance concerts. This class may be repeated once for credit. Offered fall and spring.
- DAN 107. JAZZ I** 1 sh
This is an introductory course in jazz dance that develops the group consciousness, while introducing the individual to his or her own movement potential through technical training. Theoretical knowledge of dance as an expressive art form is gained through lecture/discussion based on class work, required readings, written assignments and attendance at dance concerts. This class may be repeated once for credit. Offered fall and spring.
- DAN 108. WORLD DANCE I** 2 sh
This hybrid course combines traditional lecture with active studio course work. Students explore historical and cultural contexts of specific dance and music forms. Topics covered may include: African, Flamenco, Korean and East Asian, among others. This class may be repeated for credit. Offered twice every fall and spring semesters as half-semester course; may be taken for repeat credit.
- DAN 114. MODERN II** 1 sh
This course is for the student with previous experience in modern dance. Students gain an appreciation of modern dance and develop a framework for the aesthetic criteria used in order to be informed observers of modern dance. This class may be repeated once for credit. Offered fall and spring.
- DAN 115. FOLK, SQUARE AND SOCIAL DANCE PEDAGOGY** 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. Offered fall.
- DAN 116. BALLET II** 1 sh
This course is for the student with previous experience in ballet. Students gain an appreciation of ballet and develop a framework for the aesthetic criteria used in order to be informed observers of ballet. This class may be repeated once for credit. Offered fall and spring.
- 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 202. SOMATIC THEORIES II** 4 sh
This course is a continuation of DAN 102 with additional focus on experiential anatomy: moving with awareness through the anatomy of motion. Special attention is placed on achieving balance through the action of key muscles of the trunk and hips and the align-

DANCE

ment of the skeleton to gravity through all of the joints. The theories of Moshe Feldenkrais and somatic yoga will be integrated with the study of motor coordination patterns as related to expressive movement. Prerequisite: DAN 102 with a grade of "B." Offered spring.

DAN 204. MODERN III 1 sh

In this course, students focus on the qualitative aspects of modern movement and develop speed in movement analysis and synthesis. Attention is placed on alignment, musicality, expression and aesthetic understanding of the genre. Reading, observation, written assignments and attendance at dance concerts required. The class may be repeated once for credit. Placement audition required. Offered fall and 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. BALLET III 1 sh

In this course, students focus on developing technical ballet skills while simultaneously expanding appreciation for ballet. Attention is placed on alignment, musicality, expression and aesthetic understanding of the genre. Reading, observation, written assignments and attendance at dance concerts required. The class may be repeated once for credit. Placement audition required. Offered fall and spring.

DAN 207. JAZZ II 1 sh

This course is for the student with previous experience in jazz dance. Students gain an appreciation of jazz and develop a framework for the aesthetic criteria used in order to be informed observers of jazz dance. This class may be repeated once for credit. Offered fall and spring.

DAN 210. YOGA 2 sh

This course introduces the student to the ancient practice of yoga toward mind, body and spirit integration. Specific practices include visualization, sound (mantra), gestures (mudra), breath and meditation, which will aid with such problems as stress, anxiety, weakness and stiffness. Offered twice every fall and spring semester as a half-semester course; may be taken for repeat credit.

DAN 214. MODERN IV 1 sh

This course provides further study in applied modern dance instruction for the students who need additional work at the intermediate level for refinement of skills and a more in-depth technical development before promotion to the advanced level. Reading, observation, written assignments and attendance at dance concerts required. Prerequisite: DAN 204 with a grade of "B." This class may be repeated once for credit. Offered fall and spring.

DAN 216. BALLET IV 1 sh

This course provides further study in applied ballet dance instruction for the students who need additional work at the intermediate level for refinement of skills and a more in-depth technical development before promotion to the advanced level. Reading, observation, written assignments and attendance at dance concerts required. Prerequisite: DAN 206 with a grade of "B." This class may be repeated once for credit. Offered fall and spring.

DAN 223. DANCE ENSEMBLE 1 sh

Students accepted into this course will perform in departmental dance concerts and must be coregistered in a technique class, preferably at the intermediate or advanced level. Admission by audition only. Offered fall and spring.

- DAN 230. DANCE IMPROVISATION I 4 sh**
 This course is a guided exploration of the elements of dance — space, time, energy, rhythm and design — and an introduction to contact improvisation. Through learning dance improvisation and contact improvisation skills, dancers discover how to think and move outside “the box” and develop unique and personal movement repertoire. This course provides a creative and technical wellspring from which the dancer will draw and prepares the dancer for the choreographic process. Offered spring.
- DAN 231. DANCE CHOREOGRAPHY I 4 sh**
 This course emphasizes the elements of dance composition including time, dynamics, design, space, energy and rhythm. Students will explore these elements through compositional studies and apply this knowledge through the creation of an original solo and a duet. The professor and fellow students, utilizing the *Field Method of Artistic Feedback*, will give choreographic evaluation. Prerequisite: DAN 230. Offered fall.
- DAN 250. DANCE FOR THE MUSICAL STAGE II 1 sh**
 A continuation course expanding upon the knowledge and skills introduced in DAN 150. The focus is on integrating technique with performance, while exploring the traditional musical theatre vernacular in more depth. Historical lineage of music theatre dance remains an emphasis. Prerequisite: DAN 150. Restricted to sophomore Music Theatre majors, others by permission of instructor. Offered spring.
- DAN 301. DANCE HISTORY I 4 sh**
 This course explores the origins of dance and its development through the Renaissance. Dance as a performing art and dance as a social and educational art will be covered. Students will learn through lectures, discussions, experiential dances and research projects. Offered fall.
- DAN 302. DANCE HISTORY II 4 sh**
 This course explores the history of dance from the Renaissance through current trends of dance in the 21st century. Dance as a performing art and as a social art will be a component of this course. Students will live the journey through lectures, discussion, videos, experiential dances and research projects. Offered spring.
- DAN 304. MODERN V 1 sh**
 This is an intensive course in modern dance employing various established techniques for a more complete development of skills and an understanding of the aesthetic criteria for the modern dance style. This course also poses questions for self-evaluation as a dancer. Theoretical knowledge of dance as an expressive art form is gained through lecture/discussion based on class work, reading, observation, written assignments, and attendance at dance concerts. Prerequisite: DAN 214 with a grade of “B.” This class may be repeated once for credit. Offered fall and 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. BALLET V 1 sh**
 This course provides intensive instruction in ballet and pointe through technique classes at the advanced level for a more complete development of technical skills and a more profound understanding of the aesthetic criteria for classical ballet. Theoretical knowledge of dance as an expressive art form is gained through lecture/discussion based on class work, reading, observation, written assignments and attendance at dance concerts. Prerequisite: DAN 216 with a grade of “B.” This class may be repeated once for credit. Offered fall and spring.

- DAN 307. JAZZ III** 1 sh
 In this course, students focus on developing technical ballet skills while simultaneously expanding appreciation for jazz. Attention is placed on alignment, musicality, expression and aesthetic understanding of the genre. Reading, observation, written assignments and attendance at dance concerts required. The class may be repeated once for credit. Placement audition required. Offered fall and 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 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 Pilates, Dance for the Camera, Contact Improvisation forms, etc. May be repeated for credit.
- DAN 321. DANCE INTENSIVE** 4 sh
 This course is designed for the advanced dancer to experience rigorous intensive dance in contemporary technique and creative choreographic experiences. Students will learn fast-paced combinations similar to the training of a professional dancer while attaining strength and individual performance enhancement. Offered winter term only; may be taken for repeat credit.
- DAN 322. DANCE REPERTORY** 4 sh
 This course is an advanced-level dance technique class where one particular genre of dance is studied producing a concert piece. The style of dance may be from such areas as ballet, modern, tap, jazz or ethnic dance. Offered winter or spring semester only through audition and instructor permission; may be taken for repeat credit.
- DAN 331. DANCE CHOREOGRAPHY II** 4 sh
 This advanced composition course builds upon the creative and technical skills gained in Choreography I and is devoted to the extensive exploration of choreographic techniques. The utilization of environment, technology, sound, text and scores for dance making will be addressed. The course will focus on developing theme-based choreographic works that are informed by theoretical and creative engagement with contemporary issues and concerns. Prerequisite: DAN 231 with a grade of "B." Offered fall.
- DAN 341. DANCE IN WORSHIP** 4 sh
 This course is an exploration of the role of dance in worship in a variety of cultures from primitive ancient rituals through 21st century contemporary worship. Although a lecture course, students will at times be active participants in various forms of sacred dance. Students will also learn of the history and theory of dance as a form of worship. This course is for dancers and non dancers.
- DAN 350. DANCE FOR THE MUSICAL STAGE III** 1 sh
 This course is a continued study of theatre dance designed to expand and enhance the student's working knowledge of the art form. At this level, the student will be pushed to cross the line into intermediate-level artistic and technical work building on the course work covered in DAN 150 and DAN 250. Prerequisite: DAN 250. Restricted to junior Music Theatre majors, others by permission of instructor. Offered fall.
- DAN 404. MODERN VI** 1 sh
 This course provides advanced work in modern dance technique for individual students who need to continue technical development at the advanced level in order to reach their fullest potential as artists. It includes instructions in advanced modern technique and

individual coaching in aspects of techniques that need further analysis and refinement. Advanced reading, observation and writing assignments are required. Prerequisite: DAN 304 with a grade of "B." This class may be repeated once for credit. Offered every other semester.

DAN 406. BALLET VI 1 sh

This course provides advanced work in ballet dance technique for individual students who need to continue technical development at the advanced level in order to reach their fullest potential as artists. It includes instruction in advanced ballet and pointe technique and individual coaching in aspects of techniques that need further analysis and refinement. Advanced reading, observation and writing assignments are required. Prerequisite: DAN 306 with a grade of "B." This class may be repeated once for credit. Offered every other semester.

DAN 407. JAZZ IV 1 sh

This course is the most advanced jazz dance technique geared toward the Dance major and the Musical Theatre major. Prerequisite: DAN 307 with a grade of "B." This class may be repeated once for credit. Offered every other semester.

DAN 450. DANCE FOR MUSICAL STAGE IV 1 sh

A continuation course at the advanced level expanding upon the knowledge and skills introduced in DAN 350. The focus is on integrating technique with performance while exploring the traditional musical theatre vernacular in more depth. Historical lineage of music theatre dance remains an emphasis. Prerequisite: DAN 350. Restricted to senior Music Theatre majors, others by 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 that reflects the student's area of interest (such as choreography, performance, teaching or research). 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

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 DeLoach

Professor: Tiemann

Associate Professors: Barbour, J. Das, Lilly, Redington

Assistant Professors: DiRienzo, Jurgilas, Platania

Executive-in-Residence: MacMahon

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.

106

A major in Economics requires the following courses:

MTH	112	General Statistics	4 sh
Select one course from the following:			4 sh
MTH	116	Applied Mathematics with Calculus	
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	495	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
Select 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 markets. 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 environmental 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 multidimensional 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 gener-

