

ECED 3100 Collaboration With Family, School, and

Community Agencies to Support the Education of Young Children 2-0-2

Prerequisite: Admission into Teacher Education. Examination of nature, extent, and significance of involving families in the education of young children. Interrelationships of home, school, and community agencies are examined in light of various programs, methods, and techniques of parenting education. Leadership skills emphasized in the areas of training, supporting, and guiding teaching assistants within the context of a developmentally appropriate classroom environment.

ECED 3300 Teaching Mathematics and Science to Young Children 4-0-4

Prerequisites: ECED 3000, ECED 3400, PSYC 3120, READ 3200. Co-requisites: ECED 3690, MATH 3000, SCI 3000. Recent developments in curriculum and methods of instruction of contemporary school mathematics and science programs in grades P-5. Students will become acquainted with manipulatives, technology, and other resources essential to prospective teachers of young children.

ECED 3400 Planning For Instruction and Classroom Management 3-0-3

Prerequisites: Admission into Teacher Education. Co-requisite: PSYC 3120. Fundamentals of teaching across all content area subject matter will be explored including models of teaching, lesson and unit planning, and creating a classroom environment that is conducive to learning.

ECED 3690 Practicum in Early Childhood Education I 0-3-1

Prerequisites: ECED 3000, ECED 3400, PSYC 3120, READ 3200. Co-requisites: ECED 3300, MATH 3000, SCI 3000. Supervised classroom experience in selected P-5 classrooms. Students work under the supervision of mentor teachers and university supervisors.

ECED 4000 Teaching Language Arts and Social

Studies to Young Children 4-0-4

Prerequisites: ECED 3300, ECED 3690, MATH 3000, SCI 3000. Co-requisites: ECED 4690, ENGL 4000, READ 4000, READ 4100, GEOG 3410. Recent developments in curriculum and methods of instruction of contemporary language arts and social studies programs in grades P-5.

ECED 4690 Practicum in Early Childhood Education II 0-3-1

Prerequisites: ECED 3300, ECED 3690, MATH 3000, SCI 3000. Co-requisites: ECED 4000, ENGL 4000, READ 4000, READ 4100, GEOG 3410. Supervised classroom experience in selected P-5 classrooms. Students work under the supervision of mentor teachers and university supervisors.

ECED 4790 Student Teaching in Early Childhood Education 0-0-10

Prerequisites: All professional courses must be completed with a grade of C or better and GPA requirement must be met. Co-requisite: ECED 4800. Guided professional experience in a primary grade (P-5) as a capstone/culminating activity of the Early Childhood Education Program. Student teachers practice teaching and managing a classroom under the supervision of a full-time master teacher and university supervisor in an off-campus setting. The experience includes observations, participation, teaching, and other activities which make a direct contribution to an achievement of basic concepts, skills, and principles in the teaching-learning process.

ECED 4800 Student Teaching Seminar in Early Childhood Education 2-0-2
Prerequisites: All professional courses must be completed with a grade of C or better and GPA requirement must be met. **Co-requisite:** ECED 4790.
Reflection of educational practices and refinement of concepts emanating from student teaching experience.

ECON: ECONOMICS

ECON 1500 Survey of Economics 3-0-3
A survey of basic economic concepts with applications to public policy issues.

ECON 1900H Honors Economics 3-0-3
Seminar-oriented approach to basic economic concepts with applications to policy issues. A research project on public policy is required.

ECON 2105 Principles of Macroeconomics 3-0-3
An introduction to macroeconomic concepts and their application to aggregate economic activity. Factors influencing rates of economic growth, employment and inflation are emphasized. Measures of aggregate economic activity and policies to control it are covered.

ECON 2106 Principles of Microeconomics 3-0-3
An introduction to microeconomic concepts and their application to the behavior of individuals, firms, and market groups. Special emphasis is placed on market analysis, production and cost concepts, profit analysis, and market structure. Current microeconomic issues, including market failures and the role of government in markets, are covered.

ECON 3100 Managerial Economics 3-0-3
Prerequisites: ECON 2106 and either BUSA 2100 or MATH 2620. Analysis of major decision-making areas within the firm. Students are introduced to demand forecasting techniques, advanced production and cost relationships, and optimal pricing models.

ECON 3300 Economic History of the United States 3-0-3
Prerequisite: ECON 1500 or ECON 2105. Economic interpretation of United States history and study of economic problems in historical perspective.

ECON 3400 Public Finance and Fiscal Policy 3-0-3
Prerequisite: ECON 2106. Comprehensive treatment of economic theory and applications in the field of public finance and fiscal policy. Includes the study of market failure, the provision of public goods, benefit/cost analysis, public expenditures, and the principles of government finance.

ECON 3500 Business Cycle Analysis 3-0-3
Prerequisites: ECON 2105 and either BUSA 2100 or MATH 2620. Investigation of the application of techniques used by business and government to analyze and forecast business cycle conditions. Special emphasis on regional analysis.

- ECON 3600 International Economics** **3-0-3**
Prerequisite: ECON 2105 and ECON 2106. Survey of the international exchange of goods, services and financial instruments and the policies that affect this exchange. Topics include pattern of trade, effects of trade controls, trade and growth, trade and the distribution of income, balance of payments accounting, exchange rate systems and the effect of trade on employment, prices, and production.
- ECON 3640 International Macroeconomics** **3-0-3**
Prerequisite: ECON 3500 or ECON 3600. Advanced study of the international exchange of financial instruments and the effects of this exchange on employment, prices, production and the balance of trade (payments). International macroeconomic policy is emphasized.
- ECON 3650 Multinational Corporate Finance** **3-0-3**
Prerequisite: FIN 3350 or ECON 3750 Theory and practice of multinational corporate and bank operations. Includes the study of foreign exchange markets, risks associated with foreign exchange transactions, accounting consolidations and foreign operations, and appropriate exchange-risk hedging techniques.
- ECON 3710 Regional Economics** **3-0-3**
Prerequisite: ECON 2106. Analysis of the factors that influence the spatial location of economic activity and regional economic performance (special emphasis on the Southern Region).
- ECON 3750 Money and Banking** **3-0-3**
Prerequisite: ECON 2105. Analysis of financial intermediaries, instruments and markets in determining the level and distribution of economic activity.
- ECON 3760 Financial Institution Management** **3-0-3**
Prerequisites: ECON 3750 or FIN 3350. Principles of financial institution management. Topics include functions and types of financial institutions, regulation of financial institutions, financial statement and performance analysis for financial institutions, credit and interest rate management, asset and liability management, and non-interest income management.
- ECON 3770 Real Estate Economics** **3-0-3**
Prerequisites: ECON 3750 or FIN 3350. Study of the theories, tools and techniques needed to understand urban real estate markets. Examines real estate markets from both micro and macro perspectives.
- ECON 3800 Environmental Economics** **3-0-3**
Prerequisite: ECON 2106 or consent of instructor. Application of microeconomic principles to environmental and natural resource policy. Topics include economic efficiency and market failure, valuing the environment, pollution control, exhaustible and renewable resource policy, waste and toxic substance disposal, and the effect of industry and agriculture on the environment.
- ECON 3810 Health Economics** **3-0-3**
Prerequisite: ECON 2106 or consent of instructor. Comprehensive introduction to the economics of health and health care. Topics include the market for health care, private insurance and health care providers, social insurance, and health system reform.

- ECON 3860 Labor Economics and Labor Relations** 3-0-3
Prerequisite: ECON 2106. Investigation of the workings and outcomes of the labor market. Topics include the determination of wages, wage differentials, the impact of unions, and the process of collective bargaining.
- ECON 4800 Current Issues in Economics** 3-0-3
Prerequisites: ECON 2105 and ECON 2106. Study of a specific, current topic or topics in the field of Economics. May be repeated once for additional credit with prior approval of advisor and instructor if different topics are covered in the subsequent course.
- ECON 4900 Economic Research** 3-0-3
Prerequisites: ECON 3100, ECON 3500 and Senior Standing. Study of methods and techniques of economic research. Topics include hypothesis development, modeling, data sources, analytical methods, and presentation techniques. A research paper is required.
- ECON 4990 Directed Study in Economics** 3-0-3
Prerequisites: ECON 3100 and ECON 3500. Directed research or reading in economics. Proper form must be submitted to the Dean of the College of Business Administration at least two weeks before the beginning of the semester.

ENGL: ENGLISH

ENGL 0099 See the Learning Skills section on the last page of the course offerings.

- ENGL 1101 Composition I** 3-0-3
 A composition course focusing on skills required for effective writing in a variety of contexts, with emphasis on exposition, analysis, and argumentation, and also including introductory use of a variety of research skills. Students will develop analytical and evaluative skills by reading and writing expository and/or argumentative essays.
- ENGL 1101H Honors Composition I** 3-0-3
 An honors-level composition course focusing on skills required for effective writing in a variety of contexts with emphasis on more advanced forms of critical analysis, exposition, and argumentation/persuasion, and also stressing introductory use of a variety of research skills.
- ENGL 1102 Composition II** 3-0-3
Prerequisite: ENGL 1101 or ENGL 1101H. A composition course focusing on writing skills beyond the levels of proficiency required by ENGL 1101 that emphasizes interpretation and evaluation and that incorporates a variety of more advanced research skills. Students will learn to organize and present ideas and information effectively in research essays.
- ENGL 1102H Honors Composition II** 3-0-3
Prerequisite: ENGL 1101 or 1101H. An honors-level composition course, focusing on writing skills beyond the levels of proficiency required by ENGL 1102,

that emphasizes advanced rhetorical strategies and argument/persuasion. The course also stresses, via an array of theme-based studies, more varied forms of interpretation and evaluation and incorporates more advanced research skills than those taught in ENGL 1102.

ENGL 2110 World Literature I: The Ancient World 3-0-3

Prerequisite: ENGL 1102 or 1102H. A study of selected works of literature from the beginning of writing to the end of the classical period. This course presents myths, epics, dramas, and prose works from the Hebrew, Greek, Roman, and other traditions that laid the foundation for modern intellectual thought. Selections from such writers as Homer, Sophocles, and Plato and such works as the Bible and the Koran will be presented in their historical and cultural contexts.

ENGL 2110H Honors World Literature I: The Ancient World 3-0-3

Prerequisite: ENGL 1102 or 1102H. An in-depth study of selected works of literature and their cultural backgrounds from the beginning of writing to the end of the classical period. This course, multicultural and comparative in focus, presents myths, epics, dramas, and prose works from western and non-western traditions that laid the foundation for modern intellectual thought.

ENGL 2120 World Literature II: The Age of Discovery 3-0-3

Prerequisite: ENGL 1102 or 1102H. A study of selected works of literature and their cultural backgrounds from the fourteenth into the seventeenth century. This course includes introductions to the Medieval and Renaissance frames of mind and puts works such as those by Dante, Chaucer, Machiavelli, Shakespeare, and Milton in the context of modern intellectual issues.

ENGL 2120H Honors World Literature II: The Age of Discovery 3-0-3

Prerequisite: ENGL 1102 or 1102H. A study of selected works of literature and their cultural backgrounds from the Middle Ages into the seventeenth century. This course includes introductions to the Medieval and Renaissance frames of mind of western Europe as well as adding multicultural aspects. Trends in the development of modern thought are emphasized, with a focus on intellectual history.

ENGL 2130 World Literature III: The Development of Modern Thought 3-0-3

Prerequisite: ENGL 1102 or 1102H. A study of selected works of literature and their cultural backgrounds from the seventeenth century to the present. This course includes introductions to the Enlightenment, Romantic, Victorian, Modern, and Contemporary periods. Selected works from writers such as Moliere, Pope, Rousseau, Wordsworth, Keats, the Brownings, Eliot, and Faulkner will be presented, emphasizing major trends in the development of modern thought.

ENGL 2130H Honors World Literature III: The Development of Modern Thought 3-0-3

Prerequisite: ENGL 1102 or 1102H. An in-depth study of selected works of literature and their cultural backgrounds from the seventeenth century to the present. This course includes introductions to the major concepts and themes represented in trans-national and trans-generic literary texts from periods such as the Enlightenment, Romantic, Victorian, Modern, and Contemporary. Special emphasis on

multicultural and comparative aspects of the literature and on large, overarching themes and concepts.

ENGL 2140 World Literature IV: The Genres of World Literature 3-0-3

Prerequisite: ENGL 1102 or 1102H. A study of literary forms of cultural expression. This course will cover works written in a broad range of cultures and periods and will include introductions to major genres of world literature such as epic, drama, prose fiction, and film. Selected works by figures such as Homer, Shakespeare, Ibsen, Austen, and Kurosawa will be presented, emphasizing the connections between form, function, and culture.

ENGL 3010 Writing for Business 3-0-3

Prerequisites: ENGL 1102 or 1102H. An advanced writing course focusing on the elements of effective writing, particularly as they apply to business and the professions.

ENGL 3020 Technical Writing 3-0-3

Prerequisites: ENGL 1102 or 1102H. An advanced writing course focusing on the elements of effective writing, particularly as they apply to the sciences, industry, and other technology-oriented fields.

ENGL 3030 Writing for the Legal and Social Science Professions 3-0-3

Prerequisites: ENGL 1102 or 1102H. An advanced writing course focusing on the strategies used to write clear and effective legal and social science communications including memos, case reports, proposals, and briefs.

ENGL 3050 Tutoring English Composition 1-0-1

Prerequisites: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. A review of the principles of English composition with focus on the revision of student writing. Includes instruction in the holistic evaluation and careful rhetorical analysis of student writing, discussion of the proper scope and available avenues of revision, and examination of the use of computers in the writing and revision process. Students will have supervised tutoring experience.

ENGL 3060 Literary Research and Writing 3-0-3

Prerequisite: ENGL 2140. An introduction to the methods of research and the role and function of literary criticism in the context of literary studies.

ENGL 3080 Grammar and Editing 3-0-3

Also offered as JOUR 3080. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. An intensive review of grammar and usage as well as an introduction to the purposes, practices, and techniques of editing standard English. The grammar section of the course will cover such topics as parts of speech and their uses, sentence elements and their effective uses, agreement, punctuation, and parallelism. Students will also be taught fundamental approaches to editing and the practical application of editing techniques.

ENGL 3090 Advanced Composition 3-0-3

Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. A study of various rhetorical strategies with regular writing assignments emphasizing logical organization of thought and effective composition. The course will develop sound grammatical and compositional skills to a level clearly superior to that of ENGL 1102.

ENGL 3110 British Literature I 3-0-3

Prerequisite: ENGL 2140. A survey of the historical and formal development of British literature through the mid-eighteenth century. Emphasis on major writers and movements as well as on terms relevant to the study of British literature.

ENGL 3120 British Literature II 3-0-3

Prerequisite: ENGL 2140. A survey of the historical and formal development of British and post-Colonial literature from the late eighteenth century to the present. Emphasis on major writers and movements as well as on terms relevant to the study of British literature.

ENGL 3210 American Literature 3-0-3

Prerequisite: ENGL 2140. A survey of the historical and formal development of American literature. Emphasis on major writers and movements as well as on terms relevant to the study of American literature.

ENGL 3220 Studies in African American Literature 3-0-3

Also offered as AFAM 3220. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. A study of selected topics in African-American literature. May be repeated, but only 3 hours may be counted toward distribution requirements for the English major.

ENGL 3300 Special Studies in Literature 3-0-3

Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. Studies of selected topics in literature.

ENGL 3310 Studies in the Bible as Literature 3-0-3

Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. A study of the literature of the Bible and the influence of the Bible on British and American literature.

ENGL 3320 Studies in African Literature 3-0-3

Also offered as AFAM 3320. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. A study of selected topics in African literature. May be repeated, but only 3 hours may be counted towards distribution requirements for the English major.

ENGL 3350 Classical Mythology 3-0-3

Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. A study of the major mythological traditions of the Classical Greek and Roman cultures. Emphasis is placed on the influence of mythology on English and American literature.

ENGL 3400 Introduction to Creative Writing 3-0-3

Also offered as CRWR 3400. Prerequisites: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. An introduction to the stylistic conventions and techniques of poetry and prose. The course also emphasizes techniques of literary invention and offers a brief exposure to the analysis and critique of peer texts.

ENGL 3600 Introduction to Professional Writing 1-0-1

Prerequisite or co-requisite: ENGL 3060 or 3080, depending upon major track. An introduction to careers in professional writing as well as to the required skills, applicable technology, and related professional concerns.

ENGL 4000 English for Teachers of Young Children 3-0-3

Co-requisite: ECED 4000. A writing intensive course for Early Childhood Education majors. Utilizing writing workshops, the course will focus on producing and analyzing discourse in various genres as applied to Early Childhood Education contexts.

ENGL 4110 Studies in British Literature to 1500 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of medieval literature, focusing on major works, figures (three or more), and/or themes.

ENGL 4120 Studies in British Literature 1500-1660 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of British literature of the Renaissance period, focusing on major works, figures (three or more), and/or themes.

ENGL 4130 Studies in British Literature 1660-1800 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of British literature of the Restoration and Eighteenth Century, focusing on major works, figures (three or more), and/or themes.

ENGL 4140 Studies in Nineteenth-Century British Literature 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of British literature of the Nineteenth Century, focusing on major works, figures (three or more), and /or themes.

ENGL 4150 Studies in Twentieth-Century British Literature 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of British and Post-Colonial literature of the twentieth century, focusing on major works, figures (three or more), and/ or themes.

ENGL 4210 Studies in American Literature to 1800 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of the literature of America from its beginning to 1800, focusing on major works, figures (three or more), and/or themes.

ENGL 4220 Studies in American Literature 1800-1865 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of the literature of America from 1800 to 1865, focusing on major works, figures (three or more), and/or themes.

ENGL 4230 Studies in American Literature 1865-1914 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of literature of America from 1865 to 1914, focusing major works, figures (three or more), and/or themes.

ENGL 4240 Studies in American Literature after 1914 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of literature of America after 1914, focusing on major works, figures (three or more), and/or themes.

ENGL 4300 Special Topics 3-0-3

Prerequisite or Co-requisite: ENGL 3060. Studies of literature focusing on selected topics.

ENGL 4310 Studies in Major Writers 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of the interrelationship of the life and works of one or at most two major figures in literature.

ENGL 4320 Studies in Poetry 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of the historical and formal development of poetry.

ENGL 4330 Studies in Prose 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of the historical and formal development of prose (fiction and/or non-fiction).

ENGL 4340 Studies in Drama 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of the historical and formal development of drama.

ENGL 4350 Studies in Criticism / Theory 3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of literary theory and criticism since Plato, with special emphasis on contemporary theories.

ENGL 4410 Studies in Prosody and Poetic Form 3-0-3

Also offered as CRWR 4410. Prerequisite or Co-requisite: ENGL 3060. A study of the theoretical and formal development of prosody and poetic form. The course will emphasize 20th century poetic developments, covering principle schools and understanding their relationships.

ENGL 4420 Studies in Narratology 3-0-3

Also offered as CRWR 4420. Prerequisite or Co-requisite: ENGL 3060. An international study of the history of narrative forms, storytelling methods, and varieties of representation. The course will emphasize the various conventions and strategies which inform fables, folktales, parables, and the longer works which evolved from them.

ENGL 4500 Document Design 3-0-3

Also offered as JOUR 4500. Prerequisite or corequisite: JOUR 3510, ENGL 3060, or ENGL/JOUR 3080, or permission of instructor. A study of theory of layout and design, including editorial decision making, photo editing, and production technology for print and on-line media.

ENGL 4520 Literary Journalism 3-0-3

Also offered as JOUR 4520. Prerequisite or corequisite: JOUR 3510, ENGL 3060, or ENGL/JOUR 3080, or permission of instructor. A study of the theory and practice of applying fiction techniques to journalistic fact. The course will explore the relationship between literature and journalism, especially in terms of style and subject matter.

ENGL 4600 Issues in Professional Writing 3-0-3

Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major program. An advanced writing course examining the application of selected professional writing strategies and principles to contexts in which key rhetorical issues arise. These issues include argument, audience, collaboration, ethics, ethos, purpose, and style.

ENGL 4610 History of the English Language 3-0-3

Prerequisite or corequisite: ENGL 3060. A study of the origins and development of the English language.

ENGL 4620 Survey of the History of Rhetoric 3-0-3

Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major program. A study of rhetorical theory and its major figures from the classical period to the present.

ENGL 4630 Writing Technologies 3-0-3

Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major program. A study of the technologies applicable to professional writing such as desktop publishing, on-line documentation, hypertext, and Internet resources.

ENGL 4700 Directed Study **1-0-1 to 3-0-3**

Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major program. Individualized studies in selected areas of language and literature, the amount of credit depending upon the requirements. Permission to enroll must be secured from the instructor.

ENGL 4800 Internship in English **3-0-3 to 12-0-12**

Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major program. Supervised work involving writing, for example, in a law office, an agency, a publishing company, or a business, the amount of credit depending upon the requirements. Permission to enroll must be secured from the adviser and the department head.

ENGL 4900 Senior Seminar **3-0-3**

Prerequisite or corequisite: senior standing and ENGL 3060 or 3080, depending upon major program. A capstone course, focused on selected topics and projects appropriate to the students' track, designed to help students synthesize their knowledge and reinforce the skills they have acquired as English majors.

For additional offerings in the Department of English, see creative Writing (CRWR), Journalism (JOUR), and Linguistics

ENGR: ENGINEERING

ENGR 1010 Technological Problem Solving **3-0-3**

Prerequisite: MATH 1111 or higher. Development of the features and principles of problem solving techniques based on a variety of fundamental models for general application, such as physical component, sketching, graphical, and mathematical models. Emphasis is placed on solving problems of a technological nature.

ENGR 2010 Introduction to Engineering **2-0-2**

Interpretation of the scope of engineering; introduction to engineering disciplines which form the basis for a variety of career opportunities; engineering design as creative problem solving; lessons from design failures; introduction to problem solving; professionalism and ethics.

ENGR 2200 Statics **3-0-3**

Prerequisite: PHYS 2211, MATH 2261, MATH 2263. Elements of statics in two- and three-dimensions; forces and moments; particles, objects, and structures in equilibrium; centroids; distributed forces and beams; friction.

ENGR 2310 Introduction to Signal Processing **3-3-4**

Prerequisites: CS 1010, MATH 2262. Introduction to signal processing for discrete-time and continuous-time signals. Filtering, Frequency Response, Fou-

rier Transform, Z Transform. Laboratory emphasizes computer-based signal processing.

ENGR 2500 Engineering Graphics for Design 2-2-3

Introduction to engineering design and three-dimensional visualization; geometric construction; graphical projection and sketching; introduction to descriptive geometry; computer graphics.

ENGR 3210 Dynamics 3-0-3

Prerequisite: ENGR 2200. Kinematics and kinetics of particles; kinematics and kinetics of rigid bodies in plane motion; kinematics and kinetics of rigid bodies in three-dimensional motion

ENGR 3220 Mechanics of Deformable Bodies 3-0-3

Prerequisite: ENGR 3200. Definition and analysis of strain and stress, applications to axially loaded elements, torsion of circular shafts and bending of beams, introduction to simple plasticity and column stability.

ENGR 3320 Circuit Analysis 3-0-3

Prerequisites: ENGR 2310, PHYS2212. **Corequisite:** MATH 3340. Introduction to the basic concepts of DC and AC circuit theory and analysis.

ENGR 3330 Instrumentation Laboratory 1-3-2

Prerequisite: ENGR 3301; **co-requisite:** ENGR 3302. Introduction to instrumentation equipment and techniques, basic laboratory techniques and practice, operation of oscilloscopes and meters, and measurement of parameters of electrical engineering components and devices.

FIN: FINANCE

FIN 2380 Personal Finance 3-0-3

A non-technical introduction to personal financing decisions. Emphasis is placed on developing an understanding of budgeting, insurance, taxes, investments, home ownership and family financial planning.

FIN 3350 Financial Management 3-0-3

Prerequisite: ACCT 2102, ECON 2106. **Corequisite:** BUSA 2100. Introduction to the principles of financial management as applied to the firm including financial analysis, acquisition of funds, capital structure, dividend, policy, working capital management, and evaluation of investment projects.

FIN 3360 Advanced Financial Management 3-0-3

Prerequisite: FIN 3350. Continuation of FIN 3350 with a concentration on financial analysis, valuation of assets, risk analysis, cash flow projections, and long-term financing decisions.

FIN 3370 Financial Statement Analysis 3-0-3

Prerequisite: FIN 3350. An introduction to financial statement analysis. This course emphasizes the use of publicly disclosed financial information to enhance economic decision making.

FIN 4310 Problems in Financial Management 3-0-3

Prerequisite: FIN 3360. An advanced study of the principles of financial management through the use of case analysis on topics covering financial analysis and planning, valuation, capital budgeting, working capital management, capital

structure management, and financing.

- FIN 4520 Investments** **3-0-3**
Prerequisite: FIN 3350. An introduction to personal investing in financial and non- financial assets including stocks, bonds, and mutual funds. A discussion of securities markets, how new issues are brought to market, and how existing securities are traded. Includes material on identifying and evaluating the risk of investing.
- FIN 4820 Financial Modeling** **3-0-3**
Prerequisite: FIN 3350. An analysis of current financial models. This course emphasizes the use of current financial software applications in order to assist in making sound financial decisions.
- FIN 4900 Current Issues in Finance** **3-0-3**
Prerequisite: FIN 3360 or FIN 3370. A survey of selected finance topics. The underlying theory and practical implications of these topics to the business world is examined.
- FIN 4980 Finance Internship** **3-0-3**
Prerequisite: Faculty approval. The application of academic finance skills and values in an employment situation. A research project, approved by a faculty member and the employer, is required.
- FIN 4990 Directed Study in Finance** **3-0-3**
Prerequisite: Faculty approval. A special project undertaken by the student. The project is guided by a faculty member and culminates in a research report.

FLED: FOREIGN LANGUAGE EDUCATION

- FLED 4500 Curriculum and Methods of Foreign Languages** **3-0-3**
Prerequisite: Senior standing. **Co-requisite:** FLED 4510. Methods of teaching foreign languages at both the elementary- school and secondary-school levels to students whose first language is English. Review of theories of second language acquisition, instructional strategies and materials, methods of evaluating proficiency and progress, curriculum, and professional organizations and resources.
- FLED 4510 Classroom Laboratory** **1-0-1**
Co-requisite: FLED 4500. Implementation and assessment of appropriate classroom activities and lessons in collaboration with a secondary teacher and university faculty.
- FLED 4600 Methods and Materials for Teaching ESOL** **3-0-3**
Prerequisites: LING 4000 and LING 4160. Methods of teaching English at both the elementary- school and secondary-school levels to students whose first language is not English. Review of theories of second language acquisition, instructional strategies and materials, methods of evaluating proficiency and

progress, curriculum, and professional organizations and resources.

FLED 4780 Internship in Foreign Language Education 6-0-6

Prerequisite: Completion of coursework and consent of department. Supervised teaching experience in foreign language education providing for demonstration of teaching competency. Six hours per semester for a maximum of 2 semesters.

FLED 4790 Student Teaching 0-0-10

Prerequisite: Senior Standing. **Co-requisite:** FLED 4800. The capstone experience providing opportunity for students to implement theory and instructional practices in secondary classrooms; supervised observation, teaching, classroom management and evaluation; acquaintance with the administration of a school and the school program; selection and use of appropriate instructional materials; conferences with supervisors.

FLED 4800 Professional Development Seminar 2-0-2

Prerequisite: Senior Standing. **Co-requisite:** FLED 4790. The capstone experience requiring student teachers to reflect upon their teaching experiences through interactions with peers, secondary education professionals and other educators in their content area. The preparation and presentation of a portfolio reflecting their student teaching experience is required.

FREN: FRENCH

FREN 1001 Beginning French Language and Introduction to Francophone Cultures, I 3-0-3

Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. FREN 1001 is not open for credit to students with two or more years of high school French or the equivalent.

FREN 1002 Beginning French Language and Introduction to Francophone Cultures, II 3-0-3

Prerequisite: FREN 1001 or the equivalent. A continuation of FREN 1001, with emphasis on proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

FREN 1111 Intensive French Language and Francophone Cultures 3-0-3

Prerequisite: Two or more years of high school French or the equivalent. Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing,

as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. FREN 1111 is a one-semester combination of FREN 1001 and FREN 1002. This course is designed for those students not fully prepared for the 1002 level. FREN 1111 reviews the concepts presented in FREN 1001 and advances the student through the material of FREN 1002.

FREN 2001 Intermediate French Language and Francophone Cultures, I **3-0-3**

Prerequisite: FREN 1002 or the equivalent. Emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

FREN 2002 Intermediate French Language and Francophone Cultures, II **3-0-3**

Prerequisite: FREN 2001 or the equivalent. A continuation of FREN 2001, with emphasis on proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

FREN 3301 Conversation and Composition I **3-0-3**

Prerequisite: FREN 2002 or consent of instructor. The development of students' proficiency in spoken and written French. Conversations will be based on communicative situations which students would encounter in the French-speaking world. Written activities will enable the student to react to typical exchanges which require written responses.

FREN 3302 Conversation and Composition II **3-0-3**

Prerequisite: FREN 3301 or consent of instructor. Continued development of students' skills in spoken and written French. The students will discuss and write topics that include narration, defense of ideas, criticism, hypotheses, literature, etc.

FREN 3400 Introduction to Literature **3-0-3**

Prerequisite: FREN 2002 or consent of instructor. The development of students' reading skills and knowledge of the major literary genres. Texts are from contemporary sources and traditional literary selections of prose, poetry, and theater.

FREN 3410 Francophone Literature **3-0-3**

Prerequisite or co-requisite: FREN 3301 or consent of instructor. Selected works of twentieth-century Francophone writers from the French-speaking community outside of France, especially the Caribbean, Africa, and Quebec.

FREN 3450 Current Events of French-Speaking World **2-0-2**

Prerequisite: FREN 3301 or consent of instructor. A practical study of French TV and radio programs and other authentic media sources.

FREN 3500 French Civilization and Francophone Culture **3-0-3**

Prerequisite: FREN 2002 or consent of instructor. French civilization and Francophone culture from the origins to the present, with emphasis on French history and the relationships among language, contemporary life patterns, traditions, and institutions to include the government and education system. Political and economic geography will also be included.

FREN 3610 Women Writers of Seventeenth-Century France 3-0-3

Prerequisite: FREN 3400 or consent of instructor. Selected literary works of major women writers of seventeenth-century France.

FREN 3621 Survey of French Literature I 3-0-3

Prerequisite: FREN 3400 or consent of instructor. Selected major literary works, authors, and literary movements of France from the Middle Ages through the eighteenth century.

FREN 3622 Survey of French Literature II 3-0-3

Prerequisite: FREN 3400 or consent of instructor. Selected major literary works, authors, and literary movements of France from the nineteenth century to the present.

FREN 3630 Topics in French Language or Literature 1-0-1

Prerequisite: FREN 3302 and FREN 3400 or consent of instructor. Intensive study to improve the student's ability in a particular area of French language or Francophone literature. This course requires independent work of the student and may be repeated with different topics for a total of 3 hours.

FREN 4400 French Phonetics and Advanced Conversation 3-0-3

Prerequisite: FREN 3302 or consent of instructor. Study of phonetic principles and their applications.

FREN 4410 French Composition and Advanced Grammar 3-0-3

Prerequisite: FREN 3400 or consent of instructor. Advanced study of grammar, practical composition, and refinement of written expression.

FREN 4420 French Translation: English to French 3-0-3

Prerequisite: FREN 4410 or consent of instructor. Translation techniques from English to French, including idiomatic expressions and extensive practice in written French.

FREN 4650 French Literature of the Twentieth Century 3-0-3

Prerequisite: FREN 3622 or consent of instructor. Selected major literary works of France, from 1901 to the present.

FREN 4950 Directed Study 3-0-3

Prerequisite: FREN 4400, FREN 4410, or consent of instructor. Study in an area or topic of Francophone literature or the French language not normally found in established courses offered by the department. The work is done under the supervision of a professor.

FREN 4960 Study Abroad Special Topics 3-0-3

Consult the Department of Modern and Classical Languages regarding arrangements, requirements, and credit. May be repeated for a maximum of 9 hours if topics are different.

FREN 4970 Study Abroad Practicum 1-0-1

Prerequisite: FREN 2002 or consent of the instructor. Orientation to the study abroad experience. Pre-departure sessions will focus on preparing the stu-

dent to achieve the maximum learning potential from his/her stay in the selected site. Assigned readings and videos and regular discussion with the supervising instructor will familiarize the student with significant cultural practices that may differ from those of U.S. society and with geographical and historical features of the region as well as prepare him/her to function in the daily life of the community. A series of activities will be designed for the student to complete during the study abroad stay, and upon his/her return, the student will make at least three presentations related to the study abroad experience to university French classes, elementary, middle or high school classes, or community organizations. The course is a requirement for all French majors and minors who participate in a study abroad program. Credit for the course is in addition to other credit earned through the study abroad program.

FREN 4980 Community Practicum

1-0-1

Prerequisite: FREN 4400, FREN 4410 or consent of instructor. A practical application of students' skills in French. Students will either tutor students enrolled in public or private schools or complete a research project that requires extensive use of all language skills. This course may be repeated for up to 4 credit hours.

FREN 4990 Senior Seminar

3-0-3

Prerequisite: Senior Standing. An all-inclusive communication skills course. This course focuses on the four basic skills: reading, listening, speaking and writing. It is designed to assess and reinforce the skills the student has acquired as a French major. Required of all French majors.

GENS: GENERAL STUDIES

GENS 4100 General Studies Seminar

3-0-3

Prerequisite: Approval of the General Studies Director. A seminar incorporating selected topics to include primary field of study, ethical issues and selected topics of interest providing a capstone experience.

GENS 4200 Directed Study in Human Resources

1-0-1 to 3-0-3

Prerequisite: Senior standing and permission of advisor, instructor and General Studies Director. Directed research, readings or project in the field of human resources with regular conferences between instructor and student. An opportunity for mature students with experiential learning to integrate theory and practical applications on a one time basis.

GENS 4900 Internship 0-0-3 to 0-0-15

Prerequisite: Senior standing, advisor and General Studies Director approval. A supervised practical experience to integrate theories and practical applications of the various components of the program. The number of credit hours granted is dependent upon the program, academic work, requirements, and nature of participation.