Early Childhood Education

College of Education

ECED 371. Practicum in Early Childhood Education. 2 credits.
Preschool and kindergarten placements will provide for extensive observation and experience with young children and the opportunity to assist teachers as they facilitate children’s growth and learning in contexts that are culturally varied. Prerequisite: Permission of dance area coordinator.

DANC 499. Internship in Dance. 1-3 credits.
A faculty arranged, prepared and monitored internship program designed to provide practical experiences in dance. Prerequisite: Permission of dance area coordinator.

DANC 499. Honors. 1-3 credits each semester. Repeatable for a maximum of 6 credits.

ECED 372. Introduction to Early Childhood Education. 3 credits.
Introductory study of the role of the teacher, the role of the learner and the developing child as the basis for designing programs and developing curriculum for children 0-8 with different abilities and from various cultures. Prerequisite: Admission to teacher education. Corequisites: READ 366 and ECED 372.

ECED 441. Practicum in Child Development. 1 credit.
This course is a supervised field experience working in an early childhood laboratory classroom with pre-kindergarten age children. It emphasizes applications of age-appropriate guidance strategies for facilitating children’s total development, including children with diverse needs. Observational strategies for assessing growth and progress are developed. Prerequisites: Grades of “C” or better in ECED 371, ECED 372 and READ 366; ECED 441, ECED 443, ELED 444 and READ 436. Corequisite: ECED 461.

ECED 443. Practicum in Primary Grades. 3 credits.
This all-day, primary-grade practicum allows students to demonstrate their skills and concepts learned during the education program which are being applied during student teaching. Particular attention is given to school and family/community unity. Prerequisites: Grades of “C” or better in ECED 371, ECED 372, ECED 441, ECED 442, ECED 443, ELED 444 and READ 436, READ 438, ELED 444 and ELED 462. Corequisite: ECED 480.

ECED 490. Special Studies in Early Childhood Education. 1-3 credits.
Designed to give capable students opportunities to complete independent research on educational problems under faculty guidance. The plan for the study must be presented to the department head in prescribed form for approval prior to registration.

ECED 499. Honors in Early Childhood Education. 3 credits.

Economics

College of Business

GECO 200. Introduction to Macroeconomics. 3 credits.
Behavior of systems at the national and international levels. Topics include the methodology of economics as a social science, supply and demand, definition and measurement of important macroeconomic variables, and theoretical models of growth, inflation, interest rates, unemployment, business cycles, stabilization policy, exchange rates and the balance of payments. Not open to students who are enrolled in or who have received credit for ECON 332.

Topics covered include supply and demand, consumer choice, economics of the firm and industry, production costs, distribution theory, international trade, comparative economic systems, and the philosophy of economics. Not open to students who are enrolled in or who have received credit for ECON 333.

GECO 222. Contemporary Economic Issues and Policy Alternatives. 3 credits.
Application of elementary economic theory to current economic issues. Special emphasis is placed on public policy alternatives. Prerequisites: ECON 201 and GECO 200.

GECO 270. International Economics. 3 credits.
A survey of the relationships among national economies, including trade theory, trade policy, international monetary relations and the balance of payments. Not open to students who are enrolled in or have already received credit in ECON 370 or 372. Prerequisites: ECON 201 and GECO 200.

GECO 300. Special Topics in Economics. 3 credits.
Examination of special topics in theoretical or applied economics not covered in the current economics curriculum. Specific topics to be determined by the instructor. Prerequisites: GECO 200 and ECON 201 or equivalent.

GECO 301. Economies in Transition. 3 credits.
A study of the evolution and operation of the post-Soviet Union economy. Special emphasis is given to the new independent states and their market reforms and foreign economic policies. Prerequisites: GECO 201 and GECO 200.

GECO 302. History of Economic Thought. 3 credits.
Major contributions within the history of economic thought are studied in relation to both the historical circumstances within which they arose and the role each played in shaping contemporary, competing economic doctrines. Prerequisites: GECO 201 and GECO 200.

GECO 305. Environmental Economics. 3 credits.
An analysis of the problems of the environment, their causes and alternative proposed methods of solution. Air and water pollution will be stressed as case studies of environmental problems. Prerequisite: ECON 201.

GECO 306. The Economics of Women and The Family. 3 credits.
Examines facts and theories pertaining to the various economic roles of women in America. The economics of marriage, divorce and childbearing are examined as are empirical and theoretical explanations of occupational and wage differentials between the sexes. Prerequisite: ECON 201.

GECO 307. Economics of Aging. 3 credits.
Application of the theoretical and empirical tools of modern micro- and macro-economics analyses to the circumstances of older people in American society. Among the topics studied are retirement from paid employment, sources and distribution of income among the elderly, and spending patterns of the elderly. The role of public policies like Social Security is an important thread throughout the course. Prerequisite: Six credits in economics.

GECO 310. Economic History of the United States. 3 credits.
A survey of the economic growth and development of the United States from Colonial times to the present. Prerequisites: ECON 201 and GECO 200.

GECO 312. Comparative Economic Systems. 3 credits.
An examination of the distinguishing characteristics, institutions and performances of the various types of major economic systems in the world today. Prerequisites: ECON 201 and GECO 200.
ECON/FIN 325. Money and Banking. 3 credits.
Examines the economic role of money, banking and monetary policy within current institutional settings and under alternative theories explaining the interrelationships between money, the financial system and economic activity. Prerequisites: ECON 201 and GECON 200.

ECON 326. Public Finance. 3 credits.
Introduction to the field of public finance including theories and principles of taxation, government expenditure, public debt and fiscal administration. Studies interrelationships between federal, state and local finance, shifting and incidence of tax, and the burden of public debt. Prerequisites: ECON 201 and GECON 200.

ECON 327. Game Theory. 3 credits.
Examines interdependent decision making in economics and other social sciences and covers both non-cooperative and cooperative games. Topics may include applications of game theory to industrial organization, law and economics, public choice, political economy, evolutionary biology, international affairs, and theories of justice. Prerequisites: GECON 200 and ECON 201 or permission of the instructor.

ECON 330. Intermediate Microeconomic Theory. 3 credits.
Intermediate analysis of the determination of price, resource allocation and product distribution in a free enterprise economy. Prerequisites: ECON 201, GECON 200, and MATH 205, MATH 231 or MATH 235.

ECON 332. Intermediate Macroeconomic Theory. 3 credits.
Intermediate-level analysis of the major approaches to the determination of economic aggregates with emphasis given to structuring a common analytic framework. Prerequisites: ECON 201, GECON 200, and MATH 205, MATH 231 or MATH 235.

ECON 340. Economics of Natural Resources. 3 credits.
Emphasizes availability of exhaustible resources and optimum utilization rates. Examines questions of intertemporal allocation and costs of growth. Prerequisites: ECON 201 and GECON 200.

ECON 345. Industrial Organization. 3 credits.
An examination of contemporary U.S. industrial concentration both in the aggregate and within particular industries with emphasis on public policy implications. Alternative theories of the firm are considered in relation to different market structures. Prerequisites: ECON 201 and GECON 200.

ECON 360. Labor Economics. 3 credits.
Study of the economics of labor markets. Attention is given to the structure and operation of labor markets, wage determination, employment, unions, and contemporary labor problems and policies. Prerequisites: ECON 201 and GECON 200.

ECON 365. Economic Development. 3 credits.
A study of the characteristics of under-development, theories of economic development and the underlying causes for varying standards of living among the world's people. Considerable time will be spent on studying social and cultural factors that influence economic growth and their potential effect on the economic progress of the less-developed countries. Prerequisites: ECON 201 and GECON 200.

ECON 370. International Trade and Trade Policies. 3 credits.
An examination of the classical and modern theories of international trade, the effects of such trade on the domestic economy, the effects of barriers to free trade and an appraisal of U.S. commercial policy since 1948. Prerequisites: ECON 201 and GECON 200.

ECON/FIN 372. International Finance and Payments. 3 credits.
Examines international financial markets, instruments and institutions; determination of spot and forward exchange rates, interest arbitrage, hedging and speculation; and alternative policies for achieving equilibrium in international payments. Prerequisites: ECON 201 and GECON 200.

ECON 382. Urban Economics. 3 credits.
A detailed examination of the economic aspects of urbanization with emphasis on metropolitan land use and location theory. Urban problems considered include housing, poverty, labor markets and municipal finances. Prerequisites: ECON 201 and GECON 200.

ECON 385. Econometrics. 3 credits.
Course discusses construction of models based on economic theory including identification of variables, development and testing of hypotheses for single- and multi-equation systems. Prerequisites: ECON 201, GECON 200, COB 191 or MATH 220, and MATH 205, MATH 231 or MATH 235.

ECON 394. Economics Internship. 3 credits.
Academic credit for an approved internship experience. Registration for the course must be concurrent with the internship. An application showing how all requirements for the internship will be met must be approved prior to registration. May be taken on a credit/no credit basis only. Prerequisites: ECON 201 and GECON 200.

ECON 400. Advanced Topics in Economics. 3 credits.
 Examination of special topics in theoretical or applied economics not covered in the current economics curriculum. Specific topics to be determined by the instructor. Prerequisites: ECON 331 and ECON 332 or permission of instructor.

ECON 401. Senior Assessment in Economics. 3 credits.
Students participate in testing, interviews and other assessment activities as approved by the economics program. Grades will be assigned on a credit/no credit basis. Prerequisites: ECON 331, ECON 332, ECON 385 and senior standing.

ECON 405. Political Economy. 3 credits.
Evaluation and critique of mainstream and nontraditional economic paradigms. The interaction of economics and politics in the United States as it affects the distribution of wealth and domestic and international economic policies. Prerequisites: ECON 201, GECON 200, and junior or senior standing.

ECON 428. Theory of Public Choice. 3 credits.
Examines the justification for and nature of public sector activity in a market-based mixed economy. Emphasis is placed on theories of market failure, voting models, conditions of production and provision in the public sector, and models of bureaucratic behavior. Prerequisite: ECON 326 or ECON 331.

ECON 430. Monetary Theory. 3 credits.
Examines alternative theories of the relationships between money, interest rates, price levels, employment and output in order to assess the effectiveness of monetary policy for economic stabilization. Prerequisites: ECON 332 and either MATH 205 or MATH 235.

ECON 431. Advanced Microeconomic Theory. 3 credits.
Examines theories of general equilibrium and the distribution of income, welfare economics, capital theory and information theory. Prerequisites: ECON 331, ECON 332 and either MATH 205 or MATH 235.

ECON 432. Advanced Macroeconomics. 3 credits.
Study of macroeconomics at an advanced level. Particular attention will be given to the theory and models of economic growth as well as the potential for policies to improve growth. Topics may also include the theory of economic fluctuations within the growth paradigm and comparative analysis of the U.S. and other economies with respect to growth. Prerequisites: ECON 332 and MATH 205 or MATH 235.

ECON 435. Economics of Regulated Industries. 3 credits.
A study of the rationale, methods and impact on industry behavior of government regulations including public utility regulation and antitrust policies relating to monopoly and competition in the United States. Prerequisite: ECON 331 or ECON 345. Prerequisite or corequisite: ECON 385.

ECON 460. Human Resources. 3 credits.
Examines the role of education and training in enhancing productive skills, employment opportunities and income. Also focuses on American employment and health and welfare policies that relate to the labor market, giving attention to empirical studies. Prerequisite: ECON 306, ECON 331, ECON 332 or ECON 360.

ECON 475. Regional Economics. 3 credits.
A study of local and subnational economics viewed as integral parts of a unified system. Emphasis will be given to the basic economic forces associated with regional growth and decline and related public policy considerations. Prerequisites: ECON 200 and ECON 201.

ECON 484. Mathematical Economics. 3 credits.
Course employs techniques of differentiation and integration for microeconomic and macroeconomic analysis at the intermediate level. Prerequisites: ECON 331, ECON 332, and MATH 205 or MATH 225.

ECON 485. Advanced Econometrics. 3 credits.
Theory and application of statistical techniques to study empirical relationships among economic variables. Students will use econometrics to develop forecasts of economic activity, to estimate limited dependent variable and simultaneous equation models, and to model various time-series processes. Prerequisite: ECON 385.

ECON 487. Economic Consulting. 3 credits.
A research-oriented, senior-level course that provides students an opportunity to integrate theoretical knowledge, quantitative techniques and writing skills through research on a set of simulated consulting projects. Prerequisites: ECON 331, ECON 332, ECON 385 and senior standing.
ECON 488. Senior Capstone Seminar in Economics. 3 credits.
This course is a writing-intensive seminar offering a student the opportunity to integrate many of his/her undergraduate studies in economics. Its substantive content will emphasize applying the methods of theoretical and empirical analyses employed by all economists. The seminar will be structured so as to contain embedded assessment measures of the learning objectives specified by the department and those related to command of basic economic theory and of quantitative methods used in quantifying empirical relationships and testing hypothesis. Prerequisites: Senior standing and completion of each of the following courses with a grade of at least "C": ECON 331, ECON 332 and ECON 385.

ECON 490. Special Studies in Economics. 1-3 credits each semester.
Designed to give capable students in economics an opportunity to complete independent study under faculty supervision. Admission by recommendation of the instructor and written permission of the director of economics prior to registration. May not be used toward fulfillment of the 400-level requirement for a major in economics.

ECON 499. Honors. 6 credits.
Year course. See catalog section “Graduation with Honors.”

Education

College of Education

EDUC 100. The Study of the Future: An Interdisciplinary Approach. 3 credits.
Introduces the students to an interdisciplinary study of the future within the context of education. Various topic areas, such as population, science/technology, lifestyle, economics, international relations, energy and religion will explored in terms of future trends and how education responds to these trends and their impacts.

EDUC 300. Foundations of American Education. 3 credits.
A study of the issues that affect American education. Consideration is given to such topics as philosophical approaches to education, history of American education, and the organizational and cultural aspects of schools which influence educational practices.

EDUC 310. Teaching in a Diverse Society. 3 credits.
This course will examine how personal and professional values, attitudes, beliefs and behaviors affect teaching and learning. The pre-service teachers will develop an understanding of similar and unique characteristics of students in grades 6-12, including culture, heritage, language and learning abilities. Prerequisites: MIED 311 and READ 312 for middle students; EDUC 312 for special education students.

EDUC/EXED 312. Field Experience in Special Education and Diversity. 3 credits.
Students devote 30 clock hours to activities in school and nonschool settings that emphasizes diversity of individuals and families. Prerequisites: EDUC 310.

EDUC 370. Instructional Technology. 3 credits.
This course introduces educators to the concept of content knowledge, pedagogical knowledge and technological knowledge acting together as one unit to provide successful learning opportunities with educational technology. Learners will develop competencies that will enable them to appropriately select and integrate technology into the teaching and learning process.

EDUC 381. Field Experience in English as a Second Language. 3 credits.
The course provides supervised field experiences in working with English as a Second Language endowment program and in consultation with a field supervisor. Prerequisite: Completion of ESL minor requirements.

EDUC 401. Problems in Education. 1-3 credits.
Workshop experiences for the development and training of teachers. Prerequisites: EDUC 380 and permission of the program coordinator.

EDUC 416. School Discipline and Classroom Management. 1 credit.
Theory and practices in classroom management and discipline, including specific models and the various legal aspects will be examined.

EDUC 430. General Education Curriculum K-12 Overview. 1 credit.
This course will provide an overview of curriculum in grades K-12. An understanding of objectives, content, materials and trends associated with curriculum will be addressed. Prerequisites: READ 430, MIED 530 and EDUC 410.

EDUC 480. Student Teaching. 3-12 credits.
Enables students to apply, in the public school classrooms and the comprehensive child development programs, those skills and attitudes acquired in all components of teacher education. Under the guidance of university supervisors, students are provided activities designed to familiarize them with the classroom teacher’s role. Prerequisites: G P S Y C 160, PSYC 270, EDUC 360, appropriate methods courses and permission of the coordinator of field experiences.

EDUC 482. Professional Development, Partnership and Advocacy. 3 credits.
Students examine opportunities for professional development from professional associations, universities and other organizations across PK-12. Strategies to build partnerships with colleagues, families and communities are presented. Social and political issues affecting education of majority and minority students and models of advocacy for students and their families are presented.

EDUC 490. Special Topics in Education. 1-4 credits.
A study of selected topics that are of current importance in the field of education. Offered only with approval of School of Education director. Prerequisites: Senior standing and consent of the instructor.

EDUC 499 A, B, C. Honors. 1-6 credits.
Independent research topic initiated and completed by qualified upper-division students. See catalog descriptions entitled “Graduation with Distinction” and “Graduation with Honors.”

Elementary Education

College of Education

ELED 308. Child Development: Birth Through Adolescence. 3 credits.
Skills for observing, recording and interpreting the behavior of children ages three through 12 will be developed so that adult intervention and guidance is appropriate and meaningful. Prerequisites: G P S Y C 160 and admission to teacher education. Corequisites: EDUC 372, ELED 310, EDUC 311 and READ 366.

ELED 310. Diversity in Elementary Education with Service Learning. 3 credits.
This course guides students in critically examining their own perspectives regarding diversity in our society. Through this course, students will expand their awareness and understanding of individuals and groups apparently different from themselves. Students will explore pedagogical issues and practices in the classroom that embrace the whole community of learners and their families. Prerequisite: Admission to teacher education. Corequisites: EDUC 372, EDUC 308, EDUC 311 and READ 366.

ELED 311. Practicum with a Focus on Learners and Learning. 3 credits.
This field experience and seminar support the study of child development and learning in an organized environment. Through direct observation and interactions with children in a classroom setting, candidates will examine and reflect on how children develop and learn. Candidates will explore how their own personal attitudes, assumptions and behaviors toward students and their families are influenced by class, cultural and linguistic backgrounds. Prerequisite: Admission to teacher education. Corequisites: EDUC 372, EDUC 308, EDUC 310 and READ 366.

ELED 411. Practicum with a Focus on Curriculum Integration and Guiding Behavior. 3 credits.
This field experience provides candidates with a classroom of students and a mentor teacher with whom to practice the teaching of reading, math, science and social studies. The accompanying seminar explores the integration and construction of meaningful curriculum in elementary education contexts and supports students in their ongoing professional development. Prerequisites: ELED 311. Corequisites: READ 430, ELED 432, ELED 433 and ELED 434.

ELED 432. Children and Science. 3 credits.
This course is a study of content, processes, pedagogy and materials for teaching science in the elementary classroom. Knowledge of cognitive development as applied to the selection of content and methodology for elementary learners will be examined. Prerequisites: ELED 308, ELED 310, ELED 311 and READ 366. Corequisites: READ 436, ELED 411, ELED 433 and ELED 434.

ELED 433. Children and Mathematics: Number, Operations, Algebraic and Geometric Reasoning. 3 credits.
The first of two courses that provides students with knowledge, skills and understanding of design and implement for effective, developmentally appropriate mathematics instruction for grades PreK-6. Emphasis is on children’s mathematical learning and pre-numerical stages through the acquisition of advanced numerical processes and operations and connections to geometric and algebraic reasoning. Prerequisites: MATH 107, MATH 108, MATH 207 and READ 366. Corequisites: READ 436, ELED 411, ELED 432 and ELED 434.

http://www.jmu.edu/catalog/13