

4525. Graphic Design Final Portfolio. 3 hours. (2;4) Students prepare for entry into the profession by polishing their portfolio's content, form and presentation. Students must integrate both the print and interactive media presentations of their work. In addition, basic job research, interview and networking are essential components of this course. Students must successfully pass the communication design final portfolio review in order to pass the class. Prerequisite(s): ADES 4520 and 4522.

4530. Art Direction Print-Based Campaigns. 3 hours. (2;4) Students in the tandem courses ADES 4530 and ADES 4532 spend the semester conceiving, developing and producing a capstone project in advertising. Students leverage all appropriate and available media to solve the communication challenges posed by their unique clients. Must be taken concurrently with ADES 4532. Prerequisite(s): ADES 3520 and 3530.

4532. Art Direction Media-Based Campaigns. 3 hours. (2;4) Students in the tandem courses (ADES 4530 and ADES 4532) spend the semester conceiving, developing and producing a capstone project in art direction. Students leverage all appropriate and available media to solve the communication challenges posed by their unique clients. Must be taken concurrently with ADES 4530. Prerequisite(s): ADES 3520 and 3530.

4535. Art Direction Final Portfolio. 3 hours. (2;4) Students prepare for entry into the profession by polishing their portfolio's content, form and presentation. Students must integrate both the print and interactive media presentations of their work. In addition, basic job research, interview and networking are essential components of this course. Students must successfully pass the communication design final portfolio review in order to pass the class. Prerequisite(s): ADES 4530 and 4532.

4540. Communication Design Studio. 3 hours. Developing additional competence in special areas. Prerequisite(s): advanced standing and consent of instructor; specific studio courses may require additional prerequisites. May be repeated for credit up to a total of 12 hours.

4545. Communication Design Lecture Topics. 3 hours. Developing additional competence in special areas. Prerequisite(s): advanced standing and/or consent of instructor; specific courses may require additional prerequisites. May be repeated for credit as topics vary.

4550. Fashion Design V. 3 hours. (2;4) Design patternwork and construction of garments. Emphasis on fit, professional construction methods, research and appropriateness for target market. Prerequisite(s): ADES 3555. Not offered every term/semester.

4555. Fashion Design VI. 3 hours. (2;4) Design, patternwork and construction of senior collection in preparation for Artwear fashion show. Critical analysis of garments by a jury of industry professionals. Prerequisite(s): ADES 4550. Concurrent enrollment in ADES 4580 required. Not offered every term/semester.

4580. Fashion Design: Professional Practice. 3 hours. (2;4) Presentation boards, interview and job search techniques. Design portfolio development. Prerequisite(s): ADES 4550. Concurrent enrollment in ADES 4555 required.

4590. Fashion Design Studio. 3 hours. Developing additional competence in special areas. Prerequisite(s): advanced standing and consent of instructor; specific studio courses may require additional prerequisites. May be repeated for credit.

4615. Topics in Interior Design. 3 hours. Research on selected topics or projects in interior design. Course includes field trips and classroom lectures. Prerequisite(s): consent of instructor. May be repeated for credit as topics vary.

4625. Interior Design: Professional Practice. 3 hours. Business and office practice, fees and commissions, preparing estimates, contracts, professional ethics and job opportunities. Student must pass senior portfolio review. Prerequisite(s): ADES 4630. Not offered every term/semester.

4630. Interior Design: Space Planning IV. 3 hours. (2;4) Design of public and non-residential spaces; systems furniture; ergonomics; lighting; building systems; and concept development. Preparation of design presentation boards and design development drawings. Prerequisite(s): ADES 3620, 3635, 3640 and 3645. Not offered every term/semester.

4640. Interior Design: Space Planning V. 3 hours. (2;4) Application of comprehensive problem-solving techniques, including research, programming, concept development, space planning, code review, design, detailing and systems integration for a large commercial space. Prerequisite(s): ADES 4630. Not offered every term/semester.

Development and Family Studies

see Educational Psychology

Early Childhood Education

see Teacher Education and Administration

Economics

Economics, ECON

1100-1110. Principles of Economics. 3 hours each. Courses provide an introduction to the study of economics and are prerequisites for most upper-level courses. Courses are independent and students have the option to begin the sequence with either ECON 1100 or 1110.

1100 (ECON 2302). Principles of Microeconomics. Business organization and market economy; theory of the firm; techniques of economic analysis in current economic problems; comparative economic systems. *Satisfies the Social and Behavioral Sciences requirement of the University Core Curriculum.*

1110 (ECON 2301). Principles of Macroeconomics. Principles of economic organization and growth in modern, industrial society; money and banking, monetary and fiscal policy; determinants of national income and business fluctuations. *Satisfies the Social and Behavioral Sciences requirement of the University Core Curriculum.*

2900. Special Problems. 1–3 hours.

3000. Current Economic Issues. 3 hours. Economic implications of current issues and problems using basic economic reasoning. Issues and problems may include defense, public debt, trade deficit, illegal drugs, education, technology, agriculture, poverty, crime, pollution, taxes, income distribution, recession, government regulation, competition, government spending, inflation, conservation, unemployment, subsidies and health. Prerequisite(s): junior standing. Intended for students not required to take specific economics course(s); may not be substituted for ECON 1100-1110 or 3550-3560. Not open to economics or business majors.

3050. The Economics of Consumption. 3 hours. Consumer decision making and consumer issues in American economy. The application of economic theory to consumer decision making in higher education, net earnings and real income, financial planning, home ownership and personal investment; consumer information; government policies. Prerequisite(s): ECON 1100 and 1110.

3150. Economics of Discrimination. 3 hours. Examines the differences in economic status by gender, race and ethnicity. Intergroup differentials in income, unemployment, wages, education and housing are addressed. Prerequisite(s): ECON 1100.

3250. Industrial Relations. 3 hours. Employer/employee relations in the United States; structure, methods and objectives of labor unions and employer associations in an industrial system and changing institutional pattern. Prerequisite(s): ECON 1100-1110.

3550. Intermediate Micro-Theory. 3 hours. Demand and supply analysis, consumer choice theory, production and cost theory and market equilibrium under different market structures. Prerequisite(s): ECON 1100 with a grade of A or B.

3560. Intermediate Macro-Theory. 3 hours. Factors affecting income level, employment and output; national income concepts and measurements; application of economic policy to current problems. Prerequisite(s): ECON 1110 with a grade of A or B.

4020. Money and Financial Institutions. 3 hours. Nature and functions of money; modern banking institutions and central banks; credit control and monetary stabilization. Prerequisite(s): ECON 1100-1110.

4030. Economic Cycles and Forecasting. 3 hours. Historical survey of economic cycles, theories and stabilization policies. Analysis of major economic aggregates involved in cycle turning points for economic expansion and contraction. Prerequisite(s): ECON 1100-1110 or consent of department. May not be repeated at the graduate level as ECON 5080.

4100. Comparative Economic Systems. 3 hours. An examination of the theoretical foundations, structure and performance of various economies of the world. Theoretical coverage emphasizes decision making, price systems, planning, information and motivation, rather than an ideological approach. Topics of modern capitalism are covered as well as the non-Western economies of the former Soviet Union, Eastern Europe and China. Prerequisite(s): ECON 1100 or 1110 or consent of department. May not be repeated at the graduate level as ECON 5070.

4140. Managerial Economics. 3 hours. Integrates microeconomic theory with accounting, finance, marketing and production management. Demand and cost estimation and forecasting; pricing; business strategy; case studies. Prerequisite(s): ECON 3550 and MATH 1190 or MATH 1400. May not be repeated at the graduate level as ECON 5140.

4150. Public Economics. 3 hours. Analysis of theoretical foundations, structure and performance of the public sector. Includes issues of public choice theory, market failures, taxing, spending, borrowing and subsidies. Prerequisite(s): ECON 3550 or consent of department. May not be repeated at the graduate level as ECON 5150.

4180. The Economics of Health Care. 3 hours. Application of economic theory and analysis to the financing and delivery of medical care. Emphasis on the use of economic concepts to understand health care markets and public policy issues. Prerequisite(s): ECON 3550. May not be repeated at the graduate level as ECON 5180.

4290. Labor Economics. 3 hours. Unemployment, industrial injuries, industrial old age, ill health and substandard employment; remedial program evaluation. Prerequisite(s): ECON 3550.

4420. Open Economy Macroeconomics. 3 hours. Macroeconomic policy options and impacts in the open economy; international monetary reforms; examinations of the impact of balance of payments adjustments under different monetary systems; role of foreign investment in economic growth. Prerequisite(s): ECON 3560. May not be repeated at the graduate level as ECON 5420. Usually offered in spring.

4440. Economics of Natural Resources and Environment. 3 hours. Natural resource management and use: problems of renewable and non-renewable resources, including scarcity and market responses, role of property rights, externalities, benefit-cost analysis and energy policy with emphasis on Texas, analysis of environmental problems and policy formulation. Prerequisite(s): ECON 1100 or consent of department. May not be repeated at the graduate level as ECON 5440.

4460. Industrial Organization and Public Policy. 3 hours. Emphasizes relationships between structure, conduct and performance of industries. Topics include concentration, barriers to entry, pricing, mergers, product differentiation, technical change, antitrust and regulation. Case studies of selected American industries illustrate theory and public policy. Prerequisite(s): ECON 3550 and MATH 1190 or MATH 1400. May not be repeated at the graduate level as ECON 5460.

4500. The Economics of Sports. 3 hours. Examination of public policy questions about professional and college sports using economic models of sports industries. Topics include theory of the firm, the organization of sports and entertainment industries, sports labor markets, racial discrimination and pricing schemes specific to sports markets. Prerequisite(s): ECON 3550. Offered spring term/semester only.

4510. History of Economic Thought. 3 hours. Economic thought since the Middle Ages. Prerequisite(s): ECON 1100-1110. May not be repeated at the graduate level as ECON 5090.

4550. Law and Economics. 3 hours. Introduction to the mutual interaction between legal systems and economic activity. Topics include an introduction to legal systems and institutions, legal analysis, application of economic concepts to various legal doctrines, contracts, torts, criminal law, constitutional law, regulation and antitrust. Emphasis is placed on using economic theory to develop and test hypotheses regarding the effects of laws on incentives and economic behavior, the allocation of resources, and the distribution of income. Prerequisite(s): ECON 1100.

4600. Economic Development. 3 hours. General analysis and survey of development theories, and problems and policies involved with those countries that have not yet attained the level of economic well-being and integration observed in the United States. Prerequisite(s): ECON 1100 and 1110, or consent of department. May not be repeated at the graduate level as ECON 5700.

4630. Research Methods for Economists. 3 hours. (3;1) Research methodology for business and the social sciences. Topics include descriptive statistics, basic probability theory, discrete and continuous probability distributions, hypothesis testing and introductory regression techniques. Emphasis is placed on economics applications. A lab experience provides students with real world experience with topics they are exposed to in the lectures. Designed to prepare economics students for econometrics course work. Prerequisite(s): MATH 1100. May not be repeated at the graduate level as ECON 5630.

4650. Urban and Regional Economics. 3 hours. Uses economic analysis to understand the development of cities and regions and how economic activity in the areas is organized. Explores the economics of transportation and urban problems such as poverty, segregation, crime and congestion. Prerequisite(s): ECON 3550. May not be repeated at the graduate level as ECON 5750.

4850. International Trade. 3 hours. Examines the nature and theoretical foundations of modern trade between nations. Topics include patterns of international trade and production, welfare implications of trade, impacts of tariffs and quotas, balance of trade and balance of payments issues. Analysis of trade implications of international monetary systems, multinational corporations, exchange rates and economic implications of political action. Prerequisite(s): ECON 1100 and 1110, or consent of department. May not be repeated at the graduate level as ECON 5850.

4870. Introduction to Econometrics. 3 hours. Focus on simple and multiple regression using ordinary least squares (OLS). Topics include linear and intrinsically linear regression models; estimation under ideal and non-ideal conditions; linear hypothesis testing; multicollinearity and models with dummy variables. Usually offered fall and spring semesters. Prerequisite(s): ECON 4630 or consent of department. May not be repeated at the graduate level as ECON 5640.

4875. Empirical Linear Modeling. 3 hours. Develops the tools necessary to analyze, interpret and develop empirical applications of econometric estimation procedures. Exploration of an assortment of applied problems that are typically encountered in quantitative research with particular attention given to the examination of real-world, economic and other business-related phenomena. Particular attention is given to developing proficiency in the following four areas: organizing and manipulating data, estimating linear regression models, interpreting econometric results and computer output, and working with computer software. Prerequisite(s): ECON 4870.

4900-4910. Special Problems. 1–3 hours each.

4920. Cooperative Education in Economics. 1–3 hours. Supervised work in a job directly related to the student's major, professional field of study or career objective. Prerequisite(s): 12 semester hours credit in economics; student must meet employer's requirements and have consent of department chair. May be repeated for credit.

4951. Honors College Capstone Thesis. 3 hours. Major research project prepared by the student under the supervision of a faculty member and presented in standard thesis format. An oral defense is required of each student for successful completion of the thesis. Prerequisite(s): completion of at least 6 hours in honors courses; completion of at least 12 hours in the major department in which the thesis is prepared; approval of the department chair and the dean of the school or college in which the thesis is prepared; approval of the dean of the Honors College. May be substituted for HNRS 4000.

Educational Administration and Supervision

see *Graduate Catalog*

Educational Curriculum and Instruction

see *Graduate Catalog*

Educational Foundations

see Teacher Education and Administration

Educational Psychology

Development and Family Studies, DFST

1013 (TECA 1354). Human Development. 3 hours. Introduction to the theories and processes of physical, cognitive and social development of the individual from conception until death. Suitable for non-majors; DFST majors should take in their first year. *Satisfies the Social and Behavioral Sciences requirement of the University Core Curriculum.*

1023. Assessment and Observation. 3 hours. Methods in observation and reporting of child development. Developmental assessment of infants, children and adolescents. Methods, reading and reporting of research in human development and family studies. DFST majors should take in their first year.

2033 (TECA 1303). Parenting in Diverse Families. 3 hours. Commonalities and differences in parenting, caregiving and family life are emphasized from systems, ecological and cross-cultural perspectives. Parenting and caregiving in diverse family forms and cultures are studied in relation to adult-child interactions, parent/school/community relations, family roles, laws, and parenting skills. *Satisfies a portion of the Understanding the Human Community requirement of the University Core Curriculum.*

2313. Marriage and Family Living. 3 hours. Factors of dating, courtship, marriage and family relationships.

2900. Special Problems. 1–3 hours. Open to lower-level students capable of developing a problem independently. Problems are chosen by the student and developed through conferences with the instructor.

3113. Infant and Toddler Development. 3 hours. The growth and development of the child from conception to three years, including the influence of the family and environment.

3123. Child Development. 3 hours. Basic principles of development and learning; physical, cognitive, language, social and emotional development in early and middle childhood (ages 3 to 10 years). May require some observation and case study.

3213. Infant and Toddler Education and Care. 3 hours. Focus on developmentally appropriate interactions with infants and toddlers to promote optimal development in home and group education and care. Includes planning environments and choosing equipment and materials. Fifteen hours field observation in infant/toddler day care. Prerequisite(s): DFST 3113.