

CIS 6305–CRIJ 3370

- in information systems as related to the student's area of interest. May be repeated once. Formerly CIS 5576.
- CIS 6305 Management of Enterprise Information Technology. (3 3 0)** Thorough examination of the role of information and related technologies on strategic and operational plans of the enterprise. Emphasis on use of information technology to respond to enterprise competitive forces. Presentations of the role of information technology to manage organizational efficiency and transformation efforts in a global competitive environment. Formerly CIS 5505.
- CIS 6320 Simulation. (3 3 0)** Prerequisite: 6305 and consent of instructor. Introduction to simulation and comparison with other problem-solving techniques; simulation methodology including generation of random numbers and variates, time-flow mechanisms, sampling considerations, and validation and analysis of simulation models and results; survey of discrete-event simulation languages; applications of simulation including operating systems and networks. Formerly CIS 5520.
- CIS 6325 Development of Internet Applications and Electronic Commerce. (3 3 0)** Prerequisite: 6305 and consent of instructor. Technical aspects of Internet, intranet and extranet architectures and network technologies for development of corporate strategies and initiatives in enterprise networking, Internet information systems, electronic commerce and security issues. Formerly CIS 5525.
- CIS 6330 Software Engineering and Systems Development. (3 3 0)** Prerequisite: 6325 or consent of instructor. Thorough examination of principles of software engineering concepts. Use of object-oriented paradigm to design, analyze, and construct enterprise business applications. Traditional structured systems design and analysis. Emphasis on information analysis and logical requirement specifications of systems and validity, software quality and metrics. Formerly CIS 5530.
- CIS 6335 Software Development for the World Wide Web. (3 3 0)** Prerequisite: 6325 or consent of instructor. Comprehensive introduction to programming tools and skills required to build and maintain server sites on the World Wide Web. Focus will be on use of Open Source tools including Open Source operating systems. Formerly CIS 5535.
- CIS 6340 Advanced Network Administration and Management. (3 3 0)** Prerequisite: 6325 or consent of instructor. State-of-the-art network technologies and their applications to solve business problems and/or create strategic advantage. Emphasis on management of equipment, architectures, security, recovery plans, strategic plans and transmission alternatives using case studies and audits of various systems. Formerly CIS 5540.
- CIS 6342 Decision Support Techniques. (3 3 0)** Prerequisite: 6335, QBA 6305 or consent of instructor. Algorithms and methodologies that have been developed to support the decision-making process. Focus on understanding of strengths and weaknesses of each of these methodologies with the objective to being able to select the best tool for a given decision-making task.
- CIS 6350 Database Development for Business Applications. (3 3 0)** Prerequisite: 6325 or consent of instructor. Concepts of database systems emphasizing data storage, queries, database models and languages related to database design and implementation techniques. Comprehensive presentation of database and administrative issues and concepts in the new business enterprise. Formerly CIS 5550.
- CIS 6360 Enterprise Planning and Process Re-engineering. (3 3 0)** Prerequisite: 6325 or consent of instructor. Strategic role of information technology; information as a corporate resource; theory and application of process re-engineering as it relates to information technology; new paradigm of information technology planning. Formerly CIS 5560.
- CIS 6375 Planning for IT in Biotechnology and Healthcare. (3 3 0)** Prerequisite: 6335 and or consent of instructor. Issues and strategies associated with strategic planning and implementation of the application of IT in healthcare organizations. Examination of the role of information technology as a critical contributor to strategies and plans to integrate care, reduce costs and respond to a complex reimbursement environment.

CRIJ—Criminal Justice

(Offered through the Department of History, Political Science and Criminal Justice.)

- CRIJ 1301 Introduction to Criminal Justice. [FOSC] (3 3 0)** History and philosophy of criminal justice and ethical considerations, crime defined, its nature and impact, overview of criminal justice system, law enforcement, court system, prosecution and defense, trial process, corrections. Formerly CJ 105.
- CRIJ 1306 Court Systems and Practices. [FOSC] (3 3 0)** Judiciary in the criminal justice system, structure of the American court system, prosecution, right to counsel, pretrial release, grand juries, adjudication process, types and rules of evidence, sentencing. Formerly CJ 109.
- CRIJ 1307 Crime in America. (3 3 0)** American crime problems in historical perspective, social and public policy factors affecting crime, impact and crime trends, social characteristics of specific crimes, prevention of crime. Formerly CJ 103.
- CRIJ 1310 Introduction to Law. [FOSC] (3 3 0)** Practical study of substantive civil and criminal law and procedures applicable to the average citizen in everyday life, introductory law course for criminal justice majors. Same as POSC 1310. Formerly CJ 107.
- CRIJ 2328 Contemporary Policing. (3 3 0)** Police profession, organization of law enforcement systems, police role, police discretion, ethics, police-community interaction, current and future issues. Formerly CJ 205.
- CRIJ 3322 Criminal Investigation. (3 3 0)** Investigation theory, collection and preservation of evidence, sources of information, interview an interrogation, uses of forensic sciences, case and trial preparation. Formerly CJ 303.
- CRIJ 3332 Law of Corrections. (3 3 0)** In-depth study of legal aspects of corrections from conviction to release. Formerly CJ 308.
- CRIJ 3362 Statistics for the Social Sciences. (3 3 0)** Introduction to statistical techniques most commonly used in social sciences. Emphasis on nonparametric tests, correlation, sampling techniques and use of SPSS. Same as POSC 3362, SOCI 3362 and SOWK 3362. Formerly CJ 362.
- CRIJ 3370 Penology. (3 3 0)** Corrections in the criminal justice system, organization of correctional systems, correctional role, institutional operations, alternatives to

- institutionalization, treatment and rehabilitation, current and future issues. Same as SOCI 3370. Formerly CJ 306.
- CRIJ 3372 Prisons in America. (3 3 0)** Role and philosophy of imprisonment in both juvenile and adult corrections including special problems of inmate subculture. Same as SOCI 3372. Formerly CJ 310.
- CRIJ 3374 Victimology. (3 3 0)** Introductory course exploring the role, treatment and remedies of crime victims in the criminal justice system. Same as SOCI 3374. Formerly CJ 318.
- CRIJ 3382 Women and the Criminal Justice System. (3 3 0)** Evolution and impact of women's participation in the justice system as victims, offenders and professionals. Same as SOCI 3382. Formerly CJ 315.
- CRIJ 4096 Readings. (1-3 0 0)** Designed to provide flexibility for students to pursue interests outside established curriculum but within the field of criminal justice. Enhancement of knowledge beyond that offered in prescribed classes. Student may enroll for one, two or three hours credit. May be repeated for a maximum of six hours when topics vary. Formerly CJ 498.
- CRIJ 4098 Internship. (3,6 0 0)** Field work in criminal justice agencies under supervision as prescribed and arranged by instructor. Application of criminal justice knowledge in professionally supervised practice with individuals, groups and communities. (Six hours are expected, but three hours may be waived with consent of instructor.) Formerly CJ 404.
- CRIJ 4324 Community Policing. (3 3 0)** Police department integration of delivery of police services to communities. Formerly CJ 421.
- CRIJ 4326 Managing Police Organizations. (3 3 0)** Practical study of police organizations, applicable for students studying management of police organizations. Formerly CJ 419.
- CRIJ 4328 Terrorism. (3 3 0)** Prerequisite: junior standing. Terrorism in our world. Understanding what terrorism is, why it occurs and why it will continue into the future.
- CRIJ 4334 Criminal Law. (3 3 0)** History and philosophy of modern criminal law with emphasis on provisions of the Texas Penal Code. Formerly CJ 409.
- CRIJ 4340 Constitutional Rights of the Accused. (3 3 0)** In-depth study of processes of the criminal justice system governed by guarantees and protections of U.S. and state constitutions with emphasis on recent developments. Same as POSC 4340. Formerly CJ 415.
- CRIJ 4348 Ethics and the Justice System. (3 3 0)** Introduction to concepts of ethics and examination of contemporary ethical issues in the field of criminal justice. Formerly CJ 425.
- CRIJ 4350 Administration of Criminal Justice Organizations. (3 3 0)** Prerequisite: junior or senior standing. Analysis of theory and practice of applying administrative and management principles to the unique operating processes of various criminal justice organizations. Formerly CJ 417.
- CRIJ 4376 Community Resources in Corrections. (3 3 0)** Introductory study of the role of the community in corrections, community programs for adults and juveniles, administration of community programs, legal issues, future trends in community treatment. Same as SOWK 4376. Formerly CJ 408.
- CRIJ 4392 Topics in Criminal Justice. (3 3 0)** Thorough examination of a contemporary issue or problem in criminal justice. With permission of instructor, may be repeated when topics vary.
- CRIJ 5328 Terrorism. (3 3 0)** Terrorism in our world. Understanding what terrorism is, why it occurs and why it will continue into the future.
- CRIJ 6098 Graduate Internship. (3,6 0 0)** Prerequisite: permission of instructor. Practical application of criminal justice studies in supervised field setting. Formerly CJ 5504.
- CRIJ 6301 Thesis. (3 0 0)** Formerly CJ 5501.
- CRIJ 6302 Thesis. (3 0 0)** Formerly CJ 5502.
- CRIJ 6312 Problems in Social and Political Institutions. (3 3 0)** Critical investigation of social conditions affecting the structure and functioning of contemporary social and political institutions and analysis of public policy solutions to these problems. Same as POSC/SOCI 6312. Formerly CJ 5515.
- CRIJ 6320 Seminar in Police and Society. (3 3 0)** Advanced study of the philosophy and role of policing, politics of policing, police-community relations, planning and evaluation of programs, and topical issues and trends. Formerly CJ 5530.
- CRIJ 6322 Issues in Modern Policing. (3 3 0)** In-depth examination of operational and administrative practices, police-community relations, professionalization of officer corps (training, education and executive development) and emergent issues and trends. With permission of instructor, may be repeated once when topics vary. Formerly CJ 5532.
- CRIJ 6335 Seminar in American Judiciary. (3 3 0)** In-depth examination of various issues relating to the national and state judiciary including selection of judges, judicial politics, components of the court work group and their functions, problems in administration of justice, and other issues of judicial behavior and process. Same as POSC 6335. Formerly CJ 5544.
- CRIJ 6337 Advanced Studies in Criminal Law. (3 3 0)** Critical study of aspects of law that are relevant to the criminal justice system and its related processes including theories of law, historical development, substantive and procedural laws, and administrative law. Same as POSC 6337. Formerly CJ 5546.
- CRIJ 6340 The Criminal Justice System—An Overview. (3 3 0)** Intensive overview of the criminal justice system as a system including theory, current issues and trends. Same as POSC 6340. Formerly CJ 5512.
- CRIJ 6342 Seminar in Criminal Justice. (3 3 0)** Contemporary national, state and local problems in criminal justice. With permission of instructor, may be repeated once when topics vary. Same as POSC/SOCI 6342. Formerly CJ 5513.
- CRIJ 6346 Seminar in Criminal Justice Administration and Public Policy. (3 3 0)** Advanced study of organizational theories with application to complex criminal justice organizations in the areas of human resource management, financial management, intergovernmental relations, planning and evaluation of programs. With permission of instructor, may be repeated once when topics vary. Same as POSC 6346. Formerly CJ 5509.
- CRIJ 6348 Seminar in Criminal Justice Ethics. (3 3 0)** Major moral theories, application of ethical principles and moral dilemmas in policing, the courts and corrections. Formerly CJ 5525.
- CRIJ 6362 Seminar in Criminology and Social Policy. (3 3 0)** Theories of criminal behavior and research based upon theories, analysis of criminal behavior theories and their

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impact upon social policy. Same as SOCI 6362. Formerly CJ 5517.

CRIJ 6364 Seminar in Deviance. (3 3 0) Critical analysis of deviant behavior in society. Topics may include crime, delinquency, mental illness, alcoholism, drug abuse, institutionalized means of prevention, control and treatment. Same as SOCI 6364. Formerly CJ 5514.

CRIJ 6366 Seminar in Juvenile Delinquency and Juvenile Justice. (3 3 0) Theoretical causes of delinquency and youth criminality, rehabilitation and punishment of the juvenile offender, and the role of the juvenile justice system. Same as SOCI 6366. Formerly CJ 5516.

CRIJ 6372 Seminar in Corrections. (3 3 0) Examination of the philosophical justification of prisons in the United States, personnel management issues, inmate social structure, community corrections and correctional reform. With permission of instructor, may be repeated once when topics vary. Formerly CJ 5550.

CRIJ 6374 Seminar in Rehabilitation and Resocialization Process of Offenders. (3 3 0) Examination of rehabilitation and resocialization models, rehabilitation and the criminal justice system, effectiveness of rehabilitation and resocialization, the future of rehabilitation and critical issues in the field. With permission of instructor, may be repeated once when topics vary. Formerly CJ 5552.

CRIJ 6387 Seminar in Research Methods. (3 3 0) Nonparametrics; measurement; surveys, research, design; scale construction; methodology. Same as POSC/SOCI 6387. Formerly CJ 5587.

CRIJ 6388 Statistics for Social and Criminological Research. (3 3 0) Prerequisite: undergraduate social statistics or equivalent. Statistical techniques most commonly used in criminal justice with emphasis on probability, estimation, hypothesis methods, sample techniques and use of SPSS. Same as POSC/SOCI 6388. Formerly CJ 5588.

CRIJ 6392 Advanced Issues in Criminal Justice. (3 3 0) Social and behavioral science perspectives of forensics, policing, forensic psychology, corrections, penology, criminal law and penal statutes, capital punishment, evaluation research in criminal justice, law and society. With permission of instructor, may be repeated once when topics vary. Formerly CJ 5598.

CRIJ 6096 Readings. (1-3 0 0) Directed individual and group readings and investigations in areas of criminal justice. With permission of instructor, may be repeated once when topics vary. Formerly CJ 5591.

CS—Computer Science

(Offered through the Department of Computer Information Systems.)

CS 2315 Object-Oriented Paradigm in Java. [COSC 2315] (3 3 0) Prerequisite: CIS 1315, ENGR 1301 or consent of instructor. Principles of object-oriented programming to design and solve programming problems using Java. Topics to include classes objects, methods, inheritance and GUI objects. Development of Java applications using control structure, multithreading, user interfaces components and multimedia applications. Formerly CS 207.

CS 2325 Computer Organization and Assembly Language. [COSC 2325] (3 3 0) Prerequisite: 2315 and 2375. Introduction to the internal operation of modern computer systems. Topics include low-level hardware details (combinational and sequential circuits), data

representation (number systems, character encoding, integer floating point representation), basic computer system organization (CPU, I/O, memory and disk), and assemblers and assembly language. Formerly CS 217.

CS 2375 Discrete Structures and Logic Design. (3 3 0) Prerequisite: MATH 1314 or 1324. A theoretical foundation for computer science, including sets, counting techniques, functions, relations, ordering and equivalences, propositioned logic, Boolean algebra, graph theory with applications to trees and network models, probability and statistics. Formerly CS 215.

CS 2377 Data Structures and Algorithms. (3 3 0) Prerequisite: 2315 and MATH 1325 or 2413. Introduction to the fundamentals of data structures and algorithms analysis and implementation. Topics include recursion, the underlying philosophy of object-oriented programming (including stacks, queues, linked lists, hash tables, trees and graphs), the basics of algorithmic analysis, and an introduction to the principles of language translation. Formerly CS 290.

CS 3303 Object-Oriented Software Development. (3 3 0) Prerequisite: 2315 or consent of instructor. Software engineering techniques for programming in the large, intermediate issues in object-oriented programming design patterns, frameworks and systems support software. Continuation of 2315.

CS 3307 Algorithm Design and Analysis. (3 3 0) Prerequisite: 2377 and 2375. Introduces formal techniques to support the design and analysis of algorithms, focusing on both the underlying mathematical theory and practical considerations of efficiency. Topics include asymptotic complexity bounds, techniques of analysis, algorithmic strategies, and an introduction to automata theory and its application to language translation. Formerly CS 307.

CS 3315 Scripting Languages. (3 3 0) Prerequisite: 2315. Introduces the fundamentals of operating systems use and administration. Topics include the use of editors, file systems, processes, TCP/IP and the Internet, regular expressions, filters and system and network administration using various scripting languages. Applications of these concepts will be realized using shell scripting and other scripting languages. Formerly CS 315.

CS 4305 Compiler Design. (3 3 0) Prerequisite: 3307. Programming language translation; functions and general organization of compiler design and interpreters; theoretical and implementation aspects of lexical scanners; parsing of context free languages; code generation and optimization; error recovery. Formerly CS 405.

CS 4320 Multi-Platforms Networking and Networks Design. (3 3 0) Prerequisite: CIS 3385 or consent of instructor. Introduction to networks architecture, protocols and standards. Investigation of various techniques to plan and implement effective multi-vendor networks, use and managing of networks and Internet infrastructure. Examinations of theories for design, analysis, evaluation, modeling and other issues for high-speed switches, interfaces and controller of high-speed networks. Formerly CS 420.

CS 4325 Computer Architecture. (3 3 0) Prerequisite: 2325. Reviews of von Neumann architecture and its limitations; parallel computer structures and concurrent computation; pipeline computers and vectorization methods; array processors; multiprocessor architectures and programming; dataflow computers. Formerly CS 425.

CS 4330 Computer Graphics. (3 3 0) Prerequisite: 2377. Principles of interactive computer graphics; systems

- organization and device technologies for raster and vector displays; 2-D and 3-D viewing, clipping, segmentation and interaction handling 3-D geometrical transformations, projections and hierarchical data structures for graphics modeling. Formerly CS 430.
- CS 4352 Operating Systems. (3 3 0)** Prerequisite: 2377. Fundamentals of operating systems design and implementation. Topics include an overview of the components of an operating system, mutual exclusion and synchronization, implementation of processes, scheduling algorithms, memory management, and file systems. Formerly CS 452.
- CS 4360 Approaches to Internet and Computer Networks Security. (3 3 0)** Prerequisite: CIS 3385. Presentations of essential computer network security in wired and wireless network topologies, including authentication, encryption and server side protection. Packets, TCP/IN, UDP, ports, Internet topology, IP addressing scheme and DNS. Hands-on security breaches will be presented and practices implementing security in a local area network (LAN). Fall.
- CS 4385 Concurrency and Distributed Systems. (3 3 0)** Prerequisite: 4352. Introduces concurrency in the context of distributed systems. The course covers both the abstract principles of concurrent programming and their concrete realization in distributed, network-based systems. Topics include the basic theory of concurrency, hardware and software features to support concurrency, concurrent and distributed algorithms, and middleware. Formerly CS 485.
- DANC 3310 Advanced Intermediate Ballet. (3 1 4)** Prerequisite: two years of ballet or consent of instructor. Designed for students who have mastered theory and technique of basic ballet. Students will be encouraged to participate in WTAMU productions. May be repeated for credit. Formerly DNCE 310.
- DANC 3315 Dance History. (3 0 0)** Survey of dance art from prehistoric times to present; emphasis in tracing development of modern and classic dance. Formerly DNCE 315.
- DANC 3316 Dance Teaching Essentials. (3 0 0)** Analysis of methods used to develop the human body as an instrument for dance. Emphasis on psychological, artistic and physical elements of dance pedagogy. Formerly DNCE 316.
- DANC 3382 Arts Management. (3 0 0)** Business aspects of staging artistic performances, scheduling, facility management, personnel and union contractors, audience development, advertising, sales and promotion. Formerly DNCE 382.
- DANC 4095 Individual Problems. (1-3 0 0)** Advanced individual work in areas of student's special interest. Formerly DNCE 490.
- DANC 4119 Senior Dance Concert. (1 0 0)** For advanced dance majors. Individualized dance project reinforcing and expanding skills of public performance. Emphasis on choreography or performing. Formerly DNCE 419.
- DANC 4122 Choreography. (1 0 2)** Prerequisite: six semester hours of dance courses. Concentrated course in which methods for creating dances are explored and analyzed. Important course for future teachers, directors, choreographers and those in all aesthetic disciplines. May be repeated. Formerly DNCE 422.

DANC—Dance

(Offered through the Department of Music and Dance.)

- DANC 1070 Basic Ballet. [DANC 1041, 1042] (1-3 0-1 2-4)** Developing skills in ballet technique for the beginner. May be repeated for credit. Formerly DNCE 110.
- DANC 2070 Ballet Ensemble. [DANC 0051, 0052] (1-2 0 2-5)** Prerequisite: audition. Students will present concerts at WTAMU and on occasion tour the Texas Panhandle area. May be repeated up to a total of eight semester hours credit. Formerly DNCE 254.
- DANC 2075 Individual Problems. [DANC 2301] (1-3 0 0)** Individual work in area of student's special interest. Formerly DNCE 290.
- DANC 2370 Advanced Beginner/Intermediate Ballet. [DANC 2341, 2342] (3 1 4)** Prerequisite: two semesters of 110 or consent of instructor. Designed for the student who has basic knowledge of ballet and wishes to increase artistic, intellectual and physical skills. May be repeated for credit. Formerly DNCE 210.
- DANC 3113 Pas De Deux (Partnering). (1 0 2)** Prerequisite: consent of instructor. Art of supported adagio with emphasis on classic and contemporary forms. Formerly DNCE 313.
- DANC 3119 Junior Dance Concert. (1 0 0)** For dance majors. Individualized projects in dance. Students choreograph or perform for public presentation. Formerly DNCE 319.
- DANC 3211 Dance Forms: Character, Jazz, Tap. (2 0 4)** Prerequisite: 2370. Survey of American musical theatre with emphasis on technique and style of the jazz idiom. May be repeated for credit. Formerly DNCE 311.
- DANC 3212 Contemporary Dance. (2 0 4)** Prerequisite: consent of instructor. Theory and technique of contemporary dance including analysis of movement styles and developmental methods. Fundamentals of placement, flexibility and motor skills. May be repeated for credit. Formerly DNCE 312.
- DANC 4310 Advanced Ballet. (3 1 4)** Prerequisite: 3310 or consent of instructor. Advanced classical ballet technique. May be repeated. Formerly DNCE 410.
- DANC 6095 Graduate Problems. (1-3 0 0)** Advanced exploration and research in the student's major area. May be repeated up to a maximum of six hours. Formerly DNCE 5590.
- DANC 6122 Graduate Choreography. (1 0 0)** Prerequisite: 4122. Continuation of 4122. Advanced course in creating dances. May be repeated once for credit. Formerly DNCE 5522.
- DANC 6310 Graduate Ballet. (3 0 0)** Prerequisite: 4310. Classical ballet techniques at graduate level. May be repeated once for credit. Formerly DNCE 5510.

ECON—Economics

(Offered through the Department of Accounting, Economics and Finance.) NOTE: ECON 2301 and 2302 are prerequisites for 3000-level and above economics courses.

- ECON 2301 Principles of Macroeconomics. (3 3 0)** Survey of macroeconomic principles and their application to U.S. and global concerns. Course will also deal with multicultural aspects of domestic and international economics. Fall, spring, summer. Formerly ECO 201.
- ECON 2302 Principles of Microeconomics. (3 3 0)** Survey of microeconomic principles and their application to current problems and policies. Fall, spring, summer. Formerly ECO 202.
- ECON 3311 Intermediate Microeconomic Theory. (3 3 0)** Role of prices in economic organization and determinants of prices and resource allocation under various types of markets. Summer. Formerly ECO 311.

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- ECON 3312 Intermediate Macroeconomic Theory. (3 3 0)** Analysis of determinants of the aggregate level of the national income and employment; characteristics and causes of fluctuations in production, income and employment; problems of measurement and forecasting and proposals for economic stabilization. Fall. Formerly ECO 312.
- ECON 3321 Development of Modern Capitalism. (3 3 0)** Factual and interpretative study of modern economic development, technology, capital formation, population, income and the rise of capitalistic institutions, ideologies and methods of production. Formerly ECO 321.
- ECON 3394 Independent Study. (3 0 0)** Prerequisite: approval of department head. Individual study designed to meet needs and interest of the student. Formerly ECO 391.
- ECON 4301 Industrial Organization and Regulation. (3 3 0)** Role, development and problems of public policy in controlling modern industrial organization, price policies and market practices. Alternate springs. Formerly ECO 401.
- ECON 4312 Money, Credit and Banking. (3 3 0)** Nature and functions of money and credit; operation of commercial and central banks and other credit agencies; value of money; relationship of monetary policy and banking operation to general economic conditions. Summer. Formerly ECO 412.
- ECON 4321 Comparative Economic Systems. (3 3 0)** Analysis of competing economic ideologies. Emphasis on theoretical aspects of capitalism, socialism, communism and their variants. Alternate falls. Formerly ECO 421.
- ECON 4332 Economics of the Public Sector. (3 3 0)** Economic analysis of tax and spending programs with attention to the impact of the public sector on the economy. Alternate falls. Formerly ECO 432.
- ECON 4341 International Economics. (3 3 0)** Basic economic factors in international relations. Distribution of resources; principles of international trade, exchange and capital movements; objectives, methods and economic consequences of various commercial policies. Alternate springs. Formerly ECO 411.
- ECON 4342 Economic Development. (3 3 0)** Theory of economic growth and problems of economic development of lesser developed areas. Alternate falls. Formerly ECO 442.
- ECON 4351 Economics of Labor Resources. (3 3 0)** Economic aspects of employment, wages, income and working conditions; growth of labor organizations and economic implications of their policies and methods; labor legislation and government intervention in labor-management relations. Alternate springs. Formerly ECO 451.
- ECON 4355 Environmental and Natural Resource Economics. (3 3 0)** Economic issues involved in development and maintenance of the environment; problems of resource allocation, social cost, pollution and policy issues involved. Competing uses for natural resources, including agricultural, industrial, domestic and municipal will be evaluated along with current environmental issues. Same as AGBE 4355. Fall. Formerly ECO 455.
- ECON 4361 Development of Economic Philosophy. (3 3 0)** Evolution of economic ideas. Emphasis on the period subsequent to the Industrial Revolution. Mercantilism, physiocracy, Marxism and Keynesian contributions. Alternate falls. Formerly ECO 461.
- ECON 4364 Introduction to Quantitative Economics and Finance. (3 3 0)** Prerequisite: QBA 2342 or consent of instructor. Application of quantitative methodology in economics and finance with emphasis on forecasting, optimization techniques, regression analysis, and survey methods. Same as QBA 4364. Alternate springs. Formerly ECO 464.
- ECON 4370 Economics of Biotechnology and Healthcare. (3 3 0)** Broad overview of economics of biotechnology, health and pharmaceuticals. Emphasis includes analysis of health innovations and technologies, comparative healthcare systems, market structures in healthcare and economic impact of health outcomes.
- ECON 4372 Managerial Economics. (3 3 0)** Applications of economic analysis to a wide range of decisions required of business management and the way economic principles affect management of business enterprise. Alternate may intersessions. Formerly ECO 472.
- ECON 4398 Internship in Economics. (3 0 0)** Prerequisite: junior standing, approval of department head. On-the-job experience in a phase of the economics profession. Must be first-time experience on a full-time basis. Fall, spring, summer. Formerly ECO 497.
- ECON 5301 Industrial Organization and Regulation. (3 3 0)** Role, development, and problems of public policy in controlling modern industrial organization, price policies and market practices. Alternate springs. Formerly ECO 5401.
- ECON 5321 Comparative Economic Systems. (3 3 0)** Analysis of competing economic ideologies. Emphasis on theoretical aspects of capitalism, socialism, communism and variants of those systems. Some independent study required by graduate students. Alternate Falls. Formerly ECO 5421.
- ECON 5351 Economics of Labor Resources. (3 3 0)** Economic aspects of employment, wages, income and working conditions; growth of labor organizations and economic implications of their policies and methods; labor legislation and government intervention in labor management relations. Alternate springs. Formerly ECO 5451.
- ECON 5355 Environmental and Natural Resource Economics. (3 3 0)** Economic issues involved in development and maintenance of the environment; problems of resource allocation, social cost, pollution and policy issues involved in these areas. Competing uses for natural resources, including agricultural, industrial, domestic and municipal will be evaluated along with current environmental issues. Same as AGBE 5355. Fall. Formerly ECO 5455.
- ECON 5361 Development of Economic Philosophy. (3 3 0)** Evolution of economic ideas. Emphasis on the period subsequent to the Industrial Revolution. Mercantilism, physiocracy, Marxism and Keynesian contributions. Independent analysis emphasized. Alternate falls. Formerly ECO 5461.
- ECON 5372 Managerial Economics. (3 3 0)** Applications of economic analysis to a wide range of decisions required of business management. The way economic principles affect management of business enterprise. Alternate may intersessions. Formerly ECO 5472.
- ECON 6096 Readings and Research. (1-3 0 0)** Prerequisite: approval of department head. Directed individual and group readings and investigations in areas of economics not otherwise covered in available courses. May be repeated once for credit in a different field of economics under a different instructor. Formerly ECO 5591.
- ECON 6300 Topics in Contemporary Economic Theory. (3 3 0)** Prerequisite: graduate standing. Intensive analysis of essential microeconomic and macroeconomic theory. Spring. Formerly ECO 5500.

- ECON 6305 Seminar in Advanced Microeconomic Theory. (3 3 0)** Prerequisite: 12 semester hours of upper-division economics and/or business administration. Selected topics concerning market and industrial organization, prices and market performances. Fall. Formerly ECO 5505.
- ECON 6306 Seminar in Advanced Macroeconomic Theory. (3 3 0)** Prerequisite: 12 semester hours of upper-division economics and/or business administration. Topics relate to macroeconomic theory, monetary theory and policy, and problems of economic stabilization policy. Spring, alternate summers. Formerly ECO 5506.
- ECON 6312 Seminar in Money and Banking. (3 3 0)** Prerequisite: 2301 and 2302 or 6300. Policy implications of monetary economics with special reference to the role of money in the determination of output, employment and prices. Topics include: demand for and supply of money, Federal Reserve strategies, and financial market issues. Alternate springs. Formerly ECO 5512.
- ECON 6332 Problems in Government Finance and Fiscal Policy. (3 3 0)** May, with consent of instructor, be repeated when topics vary. Analysis of various problems and theories concerning government revenue, expenditures and fiscal policies. Formerly ECO 5532.
- ECON 6341 Seminar in International Economics and Economic Development. (3 3 0)** Selected topics relating to theories, problems, and trends in the international economy and in economic development. Alternate summers. Formerly ECO 5541.
- ECON 6352 Environmental Policy Issues. (3 3 0)** Prerequisite: 2301 and 2303 or 6300. Federal and state policies, rules and regulations as they apply to planning and policy issues relating to the environment. Selected case studies in American government relating to environmental quality issues will be evaluated. Same as POSC 6352. Alternate falls. Formerly ECO 5530.
- ECON 6362 Advanced Business Forecasting. (3 3 0)** Prerequisite: QBA 6305 or equivalent. An analysis of forecasting techniques and business theories, the interconnection between forecasting methods and the conditions under which each are used is examined. The similarities and differences between forecasting for an industry and for the firm are identified. Same as QBA 6362. Alternate springs. Formerly ECO 5552.
- ECON 6370 Economics of Health and Medical Care. (3 3 0)** Fundamental economic relations governing the demand, supply, management and financing of the healthcare industry. Topics include the role of government policy, technology, managed care and international comparisons. Fall of odd years. Formerly ECO 5520.
- ECON 6392 Special Topics. (3 3 0)** Prerequisite: 12 hours of economics. Topics of special graduate interest. May be repeated for credit when topics change. Formerly ECO 5599.

EDAD—Educational Administration

(Offered through the Division of Education.)

- EDAD 6092 Seminar in Educational Leadership. (1-3 1-3 0)** Examination of current problems, issues and trends relating to the role of the school superintendent. Topics vary from semester to semester but consistently focus on major issues of public and/or private education. Formerly EDAD 6615.
- EDAD 6093 Mid-Management Internship—Secondary. (3-6 0 0)** Prerequisite: completion of 21 hours of educational leadership. Supervised practicum in public, private or parochial secondary schools. Students complete administrative tasks in predetermined settings, conducted with an administrative mentor and University supervisor. Successful completion of this course will include 100 hours of field experiences and will be noted on student's record by a grade of "S" indicating hours of credit with no grade points. Students will demonstrate proficiency in state-mandated areas through use of a portfolio. Fall, spring. Formerly EDAD 6603.
- EDAD 6303 Introduction to Educational Leadership. (3 3 0)** Introduction to educational leadership and the role of the building-level administrator. Topics include organizational structure and roles formal leaders play within educational organizations; emphasis on leadership roles, behaviors and responsibilities. Fall, spring, summer I. Formerly EDAD 6601.
- EDAD 6304 Educational Law. (3 3 0)** Prerequisite: 6303. Federal and state laws, regulations, and court cases applied to local school district administration and operation. Fall, summer I. Formerly EDAD 6604.
- EDAD 6305 Educational Leadership and Technology. (3 3 0)** Prerequisite: 6303. Leadership responsibilities and technology within the school setting, promoting the application of theory and reflective practice to daily practice in principal and assistant-principal roles. Fall, spring. Formerly EDAD 6605.
- EDAD 6306 School Business Management and Finance. (3 3 0)** Prerequisite: 6303. Principles of school finance, budgeting, accounting and auditing procedures. Spring, summer II. Formerly EDAD 6606.
- EDAD 6307 Action Research in Education. (3 3 0)** Qualitative research methods conducted through field experiences in public and private educational institutions. Fall, summer II. Formerly EDAD 6607.
- EDAD 6311 Educational Leadership and Group Dynamics. (3 3 0)** Prerequisite: 6303. Experiential course experience. Communication, personality styles, crisis management, conflict and team building. Comprehensive group activities and initiatives including Challenging Outdoor Personal Experiences (COPE) course. Fall, spring, summer I. Formerly EDAD 6611.
- EDAD 6312 Field Experiences in Educational Leadership. (3 1 4)** Prerequisite: completion of 21 hours in Educational Administration. This is the capstone course based on the State Board of Educator Certification principal proficiencies. Students participate, as a class, in 50 hours of field experiences conducted in local and state educational settings. These experiences are organized and facilitated by the course instructor. All field experiences are tied to the state-mandated principal proficiencies and the Examination of the Certification of Educators in Texas (ExCET). Spring, summer II. Formerly EDAD 6612.

EDAD 6313–EDEC 6095

EDAD 6313 School Superintendency. (3 3 0) Basic issues and problems confronting the school superintendent, board/superintendent relations; power and politics as related to superintendency, comprehensive personnel administration; and general fiscal management. Fall. Formerly EDAD 6613.

EDAD 6314 Personal Leadership Growth and Development. (3 3 0) Prerequisite: completion of 21 hours of educational leadership. Basic principles and practices of working and interacting with the internal and external community. Direction and encouragement for personal leadership growth through participation in challenge activities that assist in developing self-confidence, communication skills, decision-making skills, trust, group cohesion, awareness of group process and respect for individual differences. Emphasis on role of the superintendent as an agent of change regarding community perception and community understanding of schools and school districts. Summer II. Formerly EDAD 6614.

EDAD 6316 School Plant and Facilities Management. (3 3 0) Role of the superintendent in maintenance of school facilities, facility needs assessments, property acquisition, building renovations and passage of bond issues. Spring. Formerly EDAD 6616.

EDAD 6320 Superintendency Internship Part I. (3 0 0) Supervised practicum in public, private or parochial schools. Students engage in 75 hours of experiences that correlate with the first three ExCET proficiencies: Learner-Centered Leadership, Learner-Centered Climate and Learner-Centered Curriculum and Instruction. Successful completion of course will be noted on student's record by a grade of "S" indicating hours credit with no grade points. Fall. Formerly EDAD 6620.

EDAD 6321 Superintendency Internship Part II. (3 0 0) Prerequisite: 6313, 6314, 6092, 6316. Supervised practicum in public, private and parochial schools. Students engage in 75 hours of experiences that correlate with the final three ExCET proficiencies (i.e., those not covered in Superintendency Internship Part I): Learner-Centered Professional Development, Equity in Excellence for all learners, Learned-Centered Communication. Successful completion of course will be noted on student's record by a grade of "S" indicating hours credit with no grade points. Spring. Formerly EDAD 6621.

EDAD 6330 Special Populations. (3 3 0) Prerequisite: 6303/6311. A survey of the special programs associated with the role of the building principal. Programs included are special education, reading initiatives, migrant/federal programs, etc. An in-depth look at diverse populations is also an integral part of the course. Fall, summer. Formerly EDAD 6630.

EDAD 6352 Personnel Administration and Supervision. (3 3 0) Prerequisite: 6303. In-depth examination of educational leaders as human resource managers. Emphasis placed on selection, professional development, evaluation and trends in the field of human resource management/development. Summer II. Formerly EDAD 5552.

EDAD 6353 Instructional Leadership Development. (3 3 0) Prerequisite: 6303/6311 plus 18 hours. Instructional Leadership Development as determined by the Texas Educational Agency in conjunction with the Professional Development Appraisal System. Summer II. Formerly EDAD 6653.

EDAD 6394 Mid-Management Internship—Elementary. (3 0 0) Prerequisite: consent of instructor. Supervised practicum in public, private and parochial elementary schools. Students

complete administrative tasks in predetermined settings, conducted with administrative mentors and University supervisor. Successful completion of course will include 100 hours of field experiences and will be noted on student's record by a grade of "S" indicating hours credit with no grade points. Students will demonstrate proficiency in state-mandated areas through use of a portfolio. Fall, spring. Formerly EDAD 6602.

EDAD 6395 Problems in Administration. (3 3 0) Prerequisite: approval of department head. Individual study and research on specific topics related to school administration. May be repeated once when topics vary. Fall, spring, summer I, summer II. Formerly EDAD 5581.

EDAD 6397 Problems in Administration. (3 0 0) Prerequisite: approval of department head. Continuation of 6395. May be repeated once when topics vary. Formerly EDAD 5582.

EDEC—Early Childhood

(Offered through the Division of Education.)

EDEC 4095 Problems in Early Childhood Education. (1-3 0 0) Actual problems relating to early childhood education. To be taken only after prearrangement with a faculty member and approval of division head. May be repeated once when topics vary. Fall, spring, summer I. Formerly EDEC 491.

EDEC 4342 Student Teaching—Early Childhood. (3 0 0) Prerequisite: professional education courses required prior to student teaching semester; admission and retention in teacher education, required grade point averages, minimum of nine hours early childhood courses and enrollment in EDEL 4340. Students will successfully complete six weeks of student teaching at the early childhood level. Successful completion will be noted on the student's transcript by a grade of "S" indicating three semester hours credit with no grade points. Fall, spring. Formerly EDEC 442.

EDEC 4383 Early Childhood Education. (3 3 0) Physical, psychological, sociological and emotional behavior domains of human growth and development with emphasis on the young child. Fall, spring, summer. Formerly EDEC 483.

EDEC 4384 Curriculum and the Young Child. (3 3 0) Prerequisite: 4383. Curriculum and methodology related to early childhood programs and developmentally appropriate practice considered in-depth. Practical experience required. Fall, spring, summer. Formerly EDEC 484.

EDEC 4385 Program Development for Early Childhood Education. (3 3 0) Prerequisite: 4383 and 4384. Program development in early childhood programs which focuses on parent-involvement concepts and strategies, diversity of language and cultural communities, innovations in program design, global/international program models, personal health and safety issues, dysfunctional families, child abuse and neglect issues. Field-based observations in local early childhood programs. Fall, spring, summer. Formerly EDEC 485.

EDEC 4386 Practicum in Early Childhood Education. (3 3 0) Prerequisite: 4383, 4384. Experience in observation, discussion and team teaching in an actual early childhood education classroom setting. Fall. Formerly EDEC 486.

EDEC 6095 Problems in Early Childhood Education. (1-3 0 0) Specific problems relating to early childhood education. To be taken only after prearrangement with a faculty member and approval of division head. May be repeated once when topics vary. Fall, spring, summer I. Formerly EDEC 5588.

EDEL—Elementary Education

(Offered through the Division of Education.)

- EDEL 4095 Problems in Elementary Education. (1-3 0 0)** Actual problems relating to elementary education. To be taken only after prearrangements with a faculty member and approval of division head. May be repeated once when topics vary. Fall, spring, summer I, summer II. Formerly EDEL 491.
- EDEL 4340 Student Teaching—Elementary. (3 0 0)** Prerequisite: professional education courses required prior to student teaching semester; admission and retention in teacher education; required grade point averages; elementary—lack no more than two courses in interdisciplinary course work and one course in subject concentration; all-level—lack no more than two courses in teaching field; lack no more than 15 semester hours for completion of degree/deficiency plan program (excluding student teacher courses). Students are required to enroll in a minimum of two student-teaching courses for a minimum required credit of six semester hours. Students will successfully complete six weeks of student teaching at the elementary level. Successful completion will be noted on the student's transcript by a grade of "S" indicating three semester hours credit with no grade points. Fall, spring. Formerly EDEL 440.
- EDEL 4341 Student Teaching—Elementary. (3 0 0)** Prerequisite: professional education courses required prior to student teaching semester; admission and retention in teacher education; required grade point averages; elementary—lack no more than two courses in interdisciplinary course work and one course in subject concentration; all-level—lack no more than two courses in teaching field; lack no more than 15 semester hours for completion of degree/deficiency plan program (excluding student teacher courses). Students are required to enroll in a minimum of two student teaching courses for a minimum required credit of six semester hours. Students will successfully complete six weeks of student teaching at the elementary level. Successful completion will be noted on the student's transcript by a grade of "S" indicating three semester hours credit with no grade points. Fall, spring. Formerly EDEL 441.
- EDEL 4344 Student Teaching—English as a Second Language/Bilingual. (3 0 0)** Prerequisite: professional education courses required prior to student teaching semester; admission and retention in teacher education, required grade point averages, minimum of nine semester hours of English as a Second Language courses, enrollment in EDEL 4340. Students completing elementary certification with English as a Second Language endorsement are required to enroll in EDEL 4340 and 4344 for a minimum required credit of six semester hours. Students will successfully complete six weeks of student teaching in English as a Second Language at the elementary level. Successful completion will be noted on the student's transcript by a grade of "S" indicating three semester hours credit with no grade points. Fall, spring. Formerly EDEL 444.
- EDEL 4345 Internship—Elementary. (3 0 0)** Prerequisite: qualify for post-baccalaureate/STEP, admission to and retention in teacher education, completion of all other required courses, employment in school district as required. Students are required to enroll in a minimum of two internships for a minimum required credit of six semester hours. Student will successfully complete one-half of required teaching assignment in a designated accredited school at the elementary level. Successful completion will be noted on the student's transcript by a grade of "S" indicating three semester hours credit with no grade points. Fall, spring. Formerly EDEL 445.
- EDEL 4346 Internship—Elementary. (3 0 0)** Prerequisite: qualify for post-baccalaureate/STEP, admission to and retention in teacher education, completion of all other required courses, employment in school district as required. Students are required to enroll in a minimum of two internships for a minimum required credit of six semester hours. Student will successfully complete one-half of required teaching assignment in a designated accredited school at the elementary level. Successful completion will be noted on the student's transcript by a grade of "S" indicating three semester hours credit with no grade points. Fall, spring. Formerly EDEL 446.
- EDEL 4370 Language Arts Methods. (3 3 0)** Prerequisite: EDPD 3340, EPSY 3341, EDT 3343 and admission into Teacher Education Program. Investigation of language arts curriculum in the elementary school with emphasis on content and methodology in areas of reading, listening, speaking and writing, including spelling and penmanship. Clinical experiences required. Fall, spring. Formerly EDEL 470.
- EDEL 4371 Mathematics Methods. (3 3 0)** Prerequisite: EDPD 3340, EPSY 3341, EDT 3343 and admission into Teacher Education Program. Investigation of mathematics topics, reasoning strategies and related teaching techniques pertaining to elementary school mathematics curriculum. Clinical experiences required. Fall, spring. Formerly EDEL 471.
- EDEL 4372 Elementary Language Arts and Social Studies. (3 3 0)** Prerequisite: EPSY 3341, admission to teacher education, passed TASP. Investigation of language arts and social studies components of elementary curriculum. Content, curriculum, methods and resources in elementary school. Formerly EDEL 472.
- EDEL 4373 Elementary Mathematics and Science. (3 3 0)** Prerequisite: EPSY 3341, admission to teacher education, passed TASP. Investigation of mathematics and science curriculum in the elementary school with emphasis on content and methodology. To be taken during semester of student teaching. Field experiences required. Formerly EDEL 473.
- EDEL 4374 Social Sciences Methods. (3 3 0)** Prerequisite: EDPD 3340, EPSY 3341, EDT 3343 and admission into Teacher Education Program. Investigation of the social studies component of elementary curriculum. Major areas of study include content and development of curricula and methods and resources used in planning and presentation of classroom experiences. Clinical experiences required. Fall, spring. Formerly EDEL 474.
- EDEL 4381 Science Methods. (3 3 0)** Prerequisite: EDPD 3340, EPSY 3341, EDT 3343 and admission into Teacher Education Program. Investigation of science curriculum in the elementary school with emphasis on constructive hands-on inquiry methods, authentic assessment, and National and State Standards using selected topics in earth science, physical science and life science. Clinical experiences required. Fall, spring. Formerly EDEL 481.
- EDEL 6334 Curriculum Development: Integrated Language Arts/Social Studies. (3 3 0)** Prerequisite: Admission into educational post-baccalaureate program. Theories and practices of integrating elementary school language arts and social studies. Summer. Formerly EDEL 5534.
- EDEL 6335 Curriculum Development and Delivery: Integrated Mathematics/Science. (3 3 0)** Prerequisite: Admission

EDEL 6395–EDPD 6312

into an educational post-baccalaureate program. Principles and practices of curriculum development and delivery of an integration of mathematics and science content for elementary students. Summer. Formerly EDEL 5535.

EDEL 6395 Problems in Education. (3 0 0) Prerequisite: approval of department head. May be repeated once when topics vary. Fall, spring, summer I, summer II. Formerly EDEL 5583.

EDEL 6396 Problems in Education. (3 0 0) Prerequisite: approval of department head. May be repeated once when topics vary. Fall, spring. Formerly EDEL 5584.

EDPD—Professional Development

(Offered through the Division of Education.)

EDPD 2075 Schools and Society. (1-3 1-3 0) Field-based course designed to introduce students to the teaching profession by examining examples of high-quality, inquiry-based teaching through participation in various public school classroom settings. Offered as one-, two- or three-hour credit; may be repeated for up to three hours total credit. Fall, spring. Formerly EDPD 205.

EDPD 3340 Educational Foundations. (3 3 0) Prerequisite: 54 hours, pass TASP, minimum GPA of 2.5. Provides prospective teachers with opportunities to learn principles of teaching in Texas and to observe those principles in the classroom setting. Includes legal and ethical issues and concerns; school governance; contemporary pedagogy; community resources at local, state and federal levels; and diversity issues. Clinical experience hours required. Fall, spring, summer I, summer II. Formerly EDPD 340.

EDPD 4095 Problems in Professional Development. (1-3 0 0) Problems relating to professional education. To be taken only after prearrangement with a faculty member and approval of division head. May be repeated once when topics vary. Fall, spring, summer I, summer II. Formerly EDPD 491.

EDPD 4340 Classroom Management. (3 3 0) Prerequisite: professional education courses required prior to student teaching semester, admission and retention in teacher education, required grade point averages, elementary—lack no more than two courses in interdisciplinary course work and one course in subject concentration, secondary—lack no more than one course in each teaching field, all-level—lack no more than two courses in teaching field, lack no more than 15 semester hours for completion of degree/deficiency plan program (excluding student teacher courses). Application of principles of classroom management/discipline at all levels; understanding and application of learning theories, instructional methodology, human relations, and leadership skills. Emphasis on the relationship between classroom environment and student behavior. Should be taken concurrently with Student Teaching. Fall, spring, winter intersession. Formerly EDPD 440.

EDPD 4363 Bilingual Approach to Teaching Subject Matter. (3 3 0) Methodology for teaching content areas for learners who have limited English proficiency. Summer II. Formerly EDPD 463.

EDPD 4378 Bilingual Approach to Language Development. (3 3 0) Prerequisite: 60 semester hours. First- and second-language acquisition and development of the second language. Emphasis on implications for teaching. Summer I. Formerly EDPD 478.

EDPD 4388 Methods and Materials of Teaching English as a Second Language. (3 3 0) Intensive study of specific methodology in teaching English as a second language to Spanish speakers and to pupils whose first language is another language. Summer II. Formerly EDPD 488.

EDPD 5363 Bilingual Approach to Teaching Subject Matter. (3 3 0) Methodology for teaching content areas for learners who have limited English proficiency. Summer II. Formerly EDPD 5463.

EDPD 5378 Bilingual Approach to Language Development. (3 3 0) Prerequisite: 60 semester hours. First- and second-language acquisition and development of the second language. Emphasis on implications for teaching. Summer I. Formerly EDPD 5478.

EDPD 5388 Methods and Materials of Teaching English as a Second Language. (3 3 0) Intensive study of specific methodology in teaching English as a second language to Spanish speakers and to pupils whose first language is another language. Summer II. Formerly EDPD 5488.

EDPD 6066 Using Newspapers in the Classroom.(1-3 0 0) Practical application of the newspaper as a teaching instrument in the classroom. Formerly EDPD 5566.

EDPD 6092 Current Issues in Education. (1-3 1-3 0) In-depth investigation of current research, issues and/or methodology in secondary education. Fall, spring, summer I, summer II. Formerly EDPD 5588.

EDPD 6301 Thesis. (3 0 0) Prerequisite: 6303. Fall, spring, summer I, summer II. Formerly EDPD 5501.

EDPD 6302 Thesis. (3 0 0) Prerequisite: 6301. Fall, spring, summer I, summer II. Formerly EDPD 5502.

EDPD 6303 Education Research. (3 3 0) Types of research and use of basic statistical techniques. Fall, spring, summer. Formerly EDPD 5550.

EDPD 6304 Multicultural Education. (3 3 0) In-depth study of our pluralistic society and strategies for implementation of multicultural concepts for improving relationships with others. Fall, spring, summer. Formerly EDPD 5578.

EDPD 6305 Curriculum Theory and Analysis. (3 3 0) Theoretical introduction to curriculum and its use in educational settings. Fall, spring, summer I. Formerly EDPD 6609.

EDPD 6306 Educational Data Analysis and Presentation. (3 3 0) Prerequisite: 6303. Practical application of microcomputer-based statistical software for the organization, analysis and interpretation of data in the public school and general research settings. Principles and practices of data analysis and presentation will be discussed and applied using microcomputer data analysis and multi-media presentation of results. Formerly EDPD 5503.

EDPD 6310 Instructional Strategies. (3 3 0) In-depth investigations into various methods of teaching strategies for all subject areas. Emphasis on inquiry methods of teaching. Spring, summer II. Formerly EDPD 6610.

EDPD 6311 Community College. (3 3 0) A detailed examination of the purposes, programs, people, organizations, control and resources of the community college. An examination of the curricular functions of the American community college: occupational education, remedial education, community services, liberal arts and general education. Fall. Formerly EDPD 6601.

EDPD 6312 College Teaching. (3 3 0) An exploration of the nature of college teaching and teaching-learning process, including a review of major issues and problems. Aspects and conditions of adulthood, determining teaching

strategies and techniques to facilitate effective learning and possible institutional adaptation to adult students. General methods of teaching which focus on the community college curriculum, instructional planning and instructional skills. Spring. Formerly EDPD 6602.

- EDPD 6320 Curriculum Seminar. (3 3 0)** Curriculum analysis, design, implementation and evaluation. Formerly EDPD 5505.
- EDPD 6329 Human Development. (3 3 0)** Systematic analysis of various human behavioral domains concerned with teaching and learning. Fall, spring, summer I. Formerly EDPD 5529.
- EDPD 6331 Foundations and Psychological Principles of Education. (3 3 0)** Prerequisite: pass TASP/THEA, admission to post-baccalaureate/alternative certification program; consent required. Intensive study of professional development competencies and proficiencies related to social, historical, philosophical and psychological foundations of education. Spring, summer I. Formerly EDPD 5531.
- EDPD 6332 Theories and Practices in Classroom Management. (3 3 0)** Prerequisite: Admission into an education post-baccalaureate program. Theories, research and applications of classroom management. Summer II. Formerly EDPD 5532.
- EDPD 6333 Economic Concepts and Resources. (3 3 0)** Introduction to basic economic principles and their integration into pre-college curriculum utilizing a variety of teaching techniques and resources. Course carries graduate credit in education or economics. See instructor for details. Same as ECON 5592. Formerly EDPD 5592.
- EDPD 6337 Practicum in Secondary Education. (3 3 0)** Prerequisite: Admission into an education post-baccalaureate program. Practicum in secondary education: issues, problems and solutions. Formerly EDPD 5537.
- EDPD 6365 Educational Innovations. (3 3 0)** Educational innovations from current research and practice concerning elementary and secondary education. May be repeated once when topics vary. Formerly EDPD 5565.
- EDPD 6390 Internship in the Community College. (3 0 0)** Prerequisite: 6311, 6312, EDT 6305 or 6310. Supervised internship in the community college. Students engage in 75 hours of experiences and successful completion will be noted on the student's record by a grade of "S" indicating hours credit with no points. Spring. Formerly EDPD 6603.
- EDPD 6395 Energy Economics. (3 3 0)** Development of energy economics concepts and integration of those concepts into pre-college curriculum through demonstrations of teaching techniques. Consult instructor for information. Same as ECO 5595. Formerly EDPD 5595.
- EDPD 6398 Internship I. (3 0 0)** Prerequisite: departmental permission, admission to post-baccalaureate/alternative certification program, employment by an accredited school district. Students are required to enroll in two internships for a minimum required credit of six semester hours. The post-baccalaureate intern is required to perform as teacher of record in an accredited school at the appropriate level under supervision of a mentor and a University supervisor. Successful completion will be noted on the student's record by the grade of "S," indicating three hours credit with no grade points. Fall, spring. Formerly EDPD 5535.
- EDPD 6399 Internship II. (3 0 0)** Prerequisite: departmental permission, admission to post-baccalaureate/alternative certification program, employment by an accredited school

district. Students are required to enroll in two internships for a minimum required credit of six semester hours. The post-baccalaureate intern is required to perform as teacher of record in an accredited school at the appropriate level under supervision of a mentor and a University supervisor. Successful completion will be noted on the student's record by the grade of "S," indicating three hours credit with no grade points. Fall, spring. Formerly EDPD 5536.

EDRD—Reading

(Offered through the Division of Education.)

- EDRD 0002 Developmental Reading. (1-3 1-3 0)** Students who score 16 or below on the Reading Section of the ACT (900 or below, SAT Composite) are assigned to this course. Improvement of reading and study skills including vocabulary, comprehension and speed of reading for University students at all levels. May not be counted toward a degree or grade points. Fall, spring. Formerly EDRD 099.
- EDRD 3301 Teaching Reading through Children's Literature. (3 3 0)** Techniques and methods of teaching reading through use of children's literature. Emphasis on genres, author and illustrator studies, multicultural and international publications, and historical and contemporary publishing trends. Criteria for building an equitable and balanced collection for home, classroom and library. Fall, spring, summer. Formerly EDRD 301.
- EDRD 3302 Reading Skills in the Elementary School. (3 3 0)** Surveys of current theories of reading and developmental reading instruction including emergent literacy, word identification, comprehension and study skills, and models of reading. Fall, spring, summer. Formerly EDRD 302.
- EDRD 3303 Approaches to Reading. (3 3 0)** Prerequisite: 3302. Literature, basal, language experience and individualized reading approaches with emphasis on teaching reading and providing materials to meet individual needs of students in the classroom. Field-based experience. Formerly EDRD 303.
- EDRD 4095 Problems in Reading Education. (1-3 0 0)** Actual problems relating to reading education. To be taken only after prearrangement with a faculty member and approval of division head. May be repeated once when topics vary. Fall, spring, summer. Formerly EDRD 491.
- EDRD 4301 Emergent Literacy in Diverse Cultures. (3 3 0)** Prerequisite: 3301, 3302; admission to teacher education. Emergent literacy in the context of family, language(s) and culture. Emphasis on theory bases of constructivism, psycholinguistics and sociolinguistics; diverse language and literacy development; reading-writing connection; and bilingual/multicultural literature experiences. Fall, spring, summer. Formerly EDRD 401.
- EDRD 4302 Evaluation of Reading Performance. (3 3 0)** Prerequisite: 3301 and 3302; admission to teacher education. Basic principles of evaluation applied to reading performance with survey of day-to-day procedures and materials which classroom teachers can use in determining and meeting reading needs of children. Fall, spring, summer. Formerly EDRD 402.
- EDRD 4303 Field Experience in Teaching Reading. (3 1 4)** Prerequisite: 3302 and 4302. Literature, basal and individualized reading approaches. Provide materials and work with school-age children in a tutorial role with directed experiences with an individual child's reading