

DRFT-201 Investigation in Civil Drafting 1 cr.

An introduction to the various aspects of civil drafting and engineering technology. Students research related topics and present their findings. Prerequisites: DRFT-115. Offered: Fall.

DRFT-210 Technical Drafting III 4 cr.

Design and working drawings, detail, subassembly and assembly drawings, and bill of materials are studied. Manufacturing methods and related drawing formats and topics in the mechanical and civil environment will be examined. Prerequisites: DRFT-115 and MATH-160. Offered: Fall.

DRFT-247 Const Practices & Estimating 4 cr.

Methodology and quantity calculations including excavation, foundations, concrete and masonry structures, steel, framing, flooring, drywall, roofing, insulations, and finish work. Corequisite: DRFT 248, MATH 160, and MATH 180. Offered: Spring.

DRFT-248 Civil Drafting I 4 cr.

Advanced instruction in common techniques specific to the civil drafting environment such as horizontal alignments and profiles, earthwork and GIS. Prerequisites: DRFT 150, and completion of MATH 096 or appropriate Math Accuplacer score. Corequisites: MATH 160 and MATH 180. Offered: Fall.

DRFT-249 Civil Drafting II 4 cr.

A study in the design and drawing of sites and parcels, alignments, plan and profile drawings, corridors and other land development operations in a 3D environment. Prerequisites: DRFT-248. Offered: Spring.

DRFT-255 Statics & Strength of Material 4 cr.

Practical approach to applying concepts of statics and strength of materials to solution of force systems. Prerequisites: MATH-180 and MATH-185. Offered: Spring.

DRFT-260 Advanced AutoCAD 4 cr.

A continuation of Computer-Aided Drafting. Topics in 3D modeling, customizing the CAD user interface and advanced drawing layout techniques are studied in depth. Prerequisites: DRFT-150. Offered: Fall & Spring.

EARLY CHILDHOOD EDUCATION**ECED-120 Guiding Young Children 3 cr.**

Explores various theories of child guidance and the practical application of each. Provides developmentally appropriate methods for guiding children and effective strategies and suggestions for facilitating positive social interactions. Appropriate strategies for preventing and dealing with violence, aggression, anger, and stress will be included. Emphasis is placed on helping children become self-responsible, competent, independent, and cooperative learners. Prerequisites: Completion of ENGL-099 and RDNG-113 or appropriate English and Reading Accuplacer score. Offered: Fall.

ECED-145 Health, Safety and Nutrition 2 cr.

Provides information related to standards and practices that promote children's physical and mental well-being, sound nutritional practices, and maintenance of safe learning

environments. Students gain knowledge necessary for creating safe learning environments for decreasing risk and preventing childhood injury. This class includes a 75 hour practicum placement in an accredited and instructor approved early care and education center in addition to the regularly scheduled class meeting times. Students may be required to pass a background check. Prerequisites: Completion of ENGL-095 and RDNG-095 or appropriate English and Reading Accuplacer scores. Offered: Fall.

ECED-150 Professionalism 2 cr.

Provides a broad-based orientation to the field of early care and education. Early childhood history, philosophy, ethics and advocacy are introduced. Basic principles of early childhood systems are explored. Multiple perspectives on early care and education are introduced. Professional responsibilities such as cultural responsiveness and reflective practice are examined. Prerequisites: Completion of ENGL-095 and RDNG-095 or appropriate English and Reading Accuplacer score. Offered: Fall.

ECED-152 Family-Centered Professionalism 3 cr.

Intended to provide hands on experiences with families, infants and toddlers. Student could be placed in the field as well as a college classroom to gain deeper understanding of their role as a professional that implements family-centered programming. Prerequisites: APEN 070+ or ENGL 095; APRD 058+ or RDNG 095. Offered: On Demand.

ECED-175 Curriculum Dev Through Play - Birth to 4 5 cr.

Play at the center of the curriculum in developmentally appropriate early childhood programs. It addresses content that is relevant for children birth through age four in developmentally and culturally sensitive ways of integrating content into teaching and learning experiences. Information on adapting content areas to meet the needs of children with special needs and the development of IFSP's is included. Curriculum development in all areas, including literacy, numeracy, the arts, health, science, social skills, and adaptive learning for children, birth through age four, is emphasized. Prerequisites: ECED-225 and ECED-145. Completion of ENGL-099 or appropriate English Accuplacer score. Offered: Fall. Faculty Permission Required.

ECED-222 Intro to Reading & Literacy 3 cr.

Designed to prepare early childhood professionals for promoting children's emergent literacy and reading development. The course addresses ways in which early childhood professionals can foster young children's phonemic awareness, literacy problem solving skills, fluency, vocabulary, comprehension, and language development. Strategies support the emergent literacy and reading skills of native speakers and English language learners. Prerequisites: Completion of ENGL-099 and RDNG-113 or appropriate English and Reading Accuplacer score. Offered: Spring.

ECED-225 Child Growth & Development 3 cr.

Provides students with the foundation for becoming a competent early childhood professional and knowledge of how young children grow, develop and learn. Major theories of child development will be integrated with all aspects of development. The adult's role in supporting each child's growth, development and learning will be

emphasized. Prerequisites: PSYC-120. Completion of ENGL-099 and RDNG-113 or appropriate English and Reading Accuplacer score. Offered: Fall.

ECED-235 Family & Community Collaboration 3 cr.
Examines the involvement of families from diverse cultural and linguistic backgrounds in early childhood programs. Establishing collaborative relationships with parents and others involved with children in early childhood settings are discussed. Prerequisites: Completion of ENGL-099 and RDNG-113 or appropriate English and Reading Accuplacer scores. Offered: Spring.

ECED-255 Assessment of Children 3 cr.
Familiarizes students with a variety of culturally appropriate assessment methods and instruments, including systematic observation. Students will develop skills for evaluating the assessment process and involving other teachers, professionals and families in the process. Prerequisites: Completion of ENGL-099 and RDNG-113 or appropriate English and Reading Accuplacer score. Offered: Spring.

ECED-275 Curriculum Dev & Impl Age 3 to Grade 3 5 cr.
Focuses on developmentally appropriate curriculum content in early childhood programs, age 3 through third grade. Development and implementation of curriculum in all content areas, including literacy, numeracy, the arts, health and emotional wellness, science, motor and social skills, is emphasized. Information on adapting content areas to meet the needs of the children with special needs and the development if IEP's is included. This class includes a 75 hour practicum placement in an accredited and instructor approved early care and education center in addition to the regularly scheduled class meeting times. Students may be required to pass a background check. Prerequisites: ECED-225, ECED-120, and ECED-145. Completion of ENGL-099 or appropriate English. Accuplacer score. Offered: Spring.

ECONOMICS

ECON-212 Economic Development of the US 3 cr.
This course is a history of economic development in the United States from colonial days to the present. Such issues as the transformation of America from an agricultural economy to an industrial economy and finally to a post-industrial age are discussed. The changing roles of government, education, money and banking, and industry are major topics. Offered: On Demand.

ECON-251 Macroeconomics 3 cr.
Covers supply and demand, the danger of price controls, the role of government in free markets, international trade, international finance, currency exchange rates, purchasing power parity, the balance of payments, the tax structure, national income accounting, elements of long-run economic growth, inflation, unemployment, the business cycle, economic models explaining changes in the business cycle, fiscal policy, monetary policy, and the money supply. The application of economics to the financial markets is stressed along with economic indicators. [NM Common Course Number ECON 2113, Area IV; Behavioral/Social Science Core]. Prerequisites: RDNG-095 or Accuplacer Reading score of 58 or higher. Take ENGL-099 or Accuplacer English score of 85 or higher. Take MATH-096 or appropriate Accuplacer score. Offered: All.

ECON-252 Microeconomics 3 cr.
Covers the history of economic development, comparisons of the major economic systems, supply and demand, price controls, price elasticity of demand, the distribution of income, social security, problems with measuring income demographic effects on the economy, the cost structure of firms, perfect competition, monopoly, monopolistic competition, oligopoly, economies of scale, monopoly regulation, labor markets and an examination of the economy's effect on the environment. The application of economics to the financial markets is stressed. [NM Common Course Number ECON 2123, Area IV; Behavioral/Social Science Core]. Prerequisites: RDNG-095 or Accuplacer Reading score of 58 or higher. Take ENGL-099 or Accuplacer English score of 85 or higher. Take MATH-096 or appropriate Accuplacer score. Offered: All.

EDUCATION

EDUC-101 Preparation for the NMTA 1 cr.
Overview of the NM Teacher Assessment, test taking strategies, and essay writing. Course sections may focus on Basic Skills, Teacher Competency, or Content Knowledge portions of NMTA. Unavailable for transfer or applicable as an elective. Offered: Fall & Spring.

EDUC-113 Substitute Teaching 1 cr.
Course covers state laws & regulations, classroom management, instructional skills, school safety, special education and cultural issues. Three hours classroom observation/class attendance required for certificate. Offered: Fall & Spring.

EDUC-115 Orientation to Teaching Career 1 cr.
Overview of choices for teaching specializations & requirements to obtain a NM Teacher License. Reflection on personal attributes in relation to becoming a teaching professional. Students develop academic plan including transfer options to obtain a Bachelors degree. Offered: Fall & Spring.

EDUC-120 Intro to Teaching 4 cr.
Provides history, governance, funding of public education in the US. Covers educational theories, effective practice & and teacher's role in multicultural education with special emphasis on diversity. Classroom observation is required. Offered: Fall & Spring.

EDUC-130 Intro to Special Education 4 cr.
Course covers identification of exceptional children, categories of disabilities, related accommodations and instructional methods. Requires time in school settings for observations and field experience. Offered: All.

EDUC-208 Exceptionalities 3 cr.
This course focuses on the meaning and concepts of disabilities that affect learning. Students will gain an understanding of each of the exceptionalities and the developmental stages involved in motor, languages, and social-emotional, sensory and cognitive domains. Students will learn components of identification, assessments, educational planning and implementation of instruction for students with disabilities within in the context of public schools. Offered: Fall & Spring. Faculty Permission Required.