

Art

ART 525. Elementary Art Methods. Explores the importance of art in the classroom and in society. It promotes understanding of the art needs and abilities of children, grades K-6. This course provides future teachers with professional skills, methods, and experiences in teaching toward those needs and abilities. (3)

ART 550. Secondary Art Methods. Explores the importance of art in the secondary curriculum, and in society. It promotes understanding of the art needs and abilities of adolescents, grades 7-12. This course provides future teachers with professional skills, methods, and experiences to teach art at the secondary level. (3)

ART 577. Graduate Seminar. Lecture/discussion course which unites students from different areas of art specialization into a forum. Students focus on pertinent issues in art through discussion, research and presentations. This course may be repeated 3 times. **Prerequisites: two graduate studio Art courses.** Spring only. (1)

ART 580. Art Workshop. Intensive workshops of varying lengths with visiting professors or of a specialized nature, including national or international travel study tours, to supplement the regular curriculum. (1-6)

***ART 579, 583, 584, 586, 587, 588, 589. Studio work.** Students may register only by permission of the professor under whom they will study. Art 579 Clay; Art 583 Painting; Art 584 Printmaking; ART 586 Drawing; Art 587 Sculpture; Art 588 Photography; ART 589 Papermaking. Courses may be repeated for a maximum of 12 credit hours. (4 each)

ART 593. Graduate Exhibit and Final Portfolio Review. The Graduate Exhibition is the final assessment of the student's level of personal development, aesthetic growth and professional talent. The student will take on all the responsibility of the exhibit. (1)

ART 595. Tutorial Reading. (1-3)

***NOTE.** Studio work courses are concurrent offerings with 400 level studio work courses.

Bilingual Education

BLED 501. Current Issues in Language Minority Education. This meets the requirements for a foundation course for the bilingual and TESOL endorsements. Recommended for all teachers, counselors, and educational administrators who work with language minority students, families, and communities. (3)

BLED 514. Multicultural Education. This is an education foundations course for Teacher Education, Bilingual Education and English as a Second Language education students. Students will participate in multicultural classroom practices that are grounded in the lives of students, critical, anti-racist, pro-justice, participatory, experiential, visionary, academically rigorous, and culturally sensitive. (3)

BLED 516. Indo-Chicano Cultures and Pedagogy. Contrasting culture patterns including an introduction to historical and sociological aspects of Indigenous and Chicano cultures: prepares the teacher trainee to present units on history, culture, folklore, fine arts and native traditions to students in the Southwest. (3)

BLED 517. Mexican Culture and Pedagogy. The major aspects of historical Mexican values, contributions, current social studies, history, art, and literature. (Taught in Spanish). Required for the bilingual endorsement. (3)

BLED 519. Navajo Culture and Pedagogy. The major aspects of historical Navajo values, contributions, current social studies, history, art, and literature. (Taught in Navajo). Required for the bilingual endorsement. (3)

BLED 521. Zuni Culture and Pedagogy. The major aspects of historical Zuni values, contributions, current social studies, history, art, and literature. (Taught in Zuni). Required for the bilingual endorsement. (3)

BLED 527. Linguistics 1 for L2 Teachers. Linguistics 1 for Second Language teachers is a review of the components of the science of language and how these relate to teaching the second language learner. Required for bilingual and TESOL teachers to work in ESL instruction with children, youth and adults. Recommended for all teachers. (3)

BLED 528. Linguistics 2 for L2 Teachers. Linguistics 2 for Second Language teachers covers sociolinguistics and/or phonetics, phonemics, articulatory phonetics, points and manner of articulation and how these relate to the second language learner, and the bilingual or bicultural child, or the elementary, secondary or adult student. This second level linguistics course prepares teachers to work in ESL instruction. (3)

BLED 531. Language Arts in Spanish. Survey of the needs, orientation, and approaches teachers should consider in class instruction for appropriate teaching of Spanish speaking students. Emphasis on Language Arts Instruction and Literacy Development. (3)

BLED 532. Language Arts in Zuni. Survey of the needs, orientations and approaches teachers should consider in class instruction for appropriate teaching of Zuni students. Emphasis on Language Arts Instruction and Literacy Development. (3)

BLED 533. Language Arts in Navajo. Survey of the needs, orientations and approaches teachers should consider in class instruction for appropriate teaching of Navajo students. Emphasis on Language Arts Instruction and Literacy Development. (3)

BLED 534. Content Literacy in Spanish. Specialized techniques used for teaching the Spanish speaking bilingual and bicultural child: emphasizes instruction in the content areas; required for the bilingual-bicultural programs. (3)

BLED 535. Content Literacy in Zuni. Specialized techniques used for teaching the Zuni bilingual and bicultural child: emphasizes instruction in the content areas; required for the bilingual-bicultural programs. (3)

BLED 536. Content Literacy in Navajo. Specialized techniques used for teaching the Navajo bilingual and bicultural child: emphasizes instruction in the content areas; required for the bilingual-bicultural programs. (3)

BLED 537. Teaching Reading in Spanish. Advanced course in teaching reading and writing in Spanish as a first or second language to children, youth or adults. Survey of the needs, orientations and approaches teachers should consider in class instructions for appropriate teaching of Hispanic students. (3)

BLED 538. Teaching Reading in Zuni. Advanced course in teaching reading and writing in Zuni as a first or second language to children, youth or adults. Survey of the needs, orientations and approaches teachers should consider in class instructions for appropriate teaching of Zuni students. (3)

BLED 539. Teaching Reading in Navajo. Advanced course in teaching reading and writing in Navajo as a first or second language to children, youth or adults. Survey of the needs, orientations and approaches teachers should consider in class instructions for appropriate teaching of Navajo students. (3)

BLED 541. English Language Acquisition & Development. The use of ESL techniques and strategies for the English language acquisition of English Language Learners; Required for TESOL endorsement. Recommended for Language Arts Endorsement and as an elective for all educators. (3)

BLED 545. ESL Methods for Content Literacy. Current trends, assessment, and sheltered instruction for literacy development of English Language Learners. Emphasis will be on meeting the standards and outcomes of the New Mexico TESOL endorsement for teaching content using ESL methods. (3)

Business

BSAD 500. Survey of Business I. A survey course in the basic concepts of accounting and finance. Each module of instruction is tested separately with proportionate weight to each topic for grading. (3)

BSAD 501. Survey of Business II. A survey course in business that includes 45 contact hours in marketing, and management. (3)

BSAD 502 Survey of Math and Statistics for MBAs. A survey course of mathematics and statistics for those who do not have a strong mathematical background. This course will be optional at the discretion of the MBA advisor who may excuse engineers, math majors, science majors or others who have had adequate mathematical preparation as evidenced by their academic record. (3)

BSAD 510. Social Responsibility and Business Ethics. A study of selected contemporary issues facing American and international business and society via readings, discussions, research, and writing. **A required course for the M.B.A.** Summer only. (3)

BSAD 520. Business Negotiation. Provides the students with the diagnostic tools needed to choose effective bargaining strategies. Applies theory through case studies of read and simulated negotiations. **Prerequisite: BSAD 350.** An elective course offered summer only. (3)

BSAD 530. Advanced Managerial Accounting. An in-depth study of the information and reporting needs of contemporary management and the uses of accounting information in facilitating the planning, control and special decision-making functions of management. **Prerequisites: BSAD 230, 231 or equivalent. A required course.** Fall only. (3)

BSAD 535. Fraud Prevention and Detection. Explores various forms of employee and financial statement fraud. Identifies symptoms of fraud and measures management can use to prevent fraud. (3)

BSAD 540. Analysis for Marketing Planning. Marketing behavior of the firm, with emphasis on models of pricing, product development, and promotional decisions based on consumer demand analysis. **Prerequisite: BSAD 340 or equivalent. A required course.** Spring only. (3)

BSAD 542. Seminar in Marketing Management. An in-depth analysis of all phases of marketing and its role in the firm and in society. **Prerequisite: BSAD 540.** An elective course offered on occasion in the summer. (3)

BSAD 550. Management and Organizational Theory. Situational analysis of organizational variables such as goals, tasks, structure, technology/culture conflict communication, and power. **Prerequisite: BSAD 350 or equivalent. A required course.** Fall only. (3)

BSAD 551. Advanced Management. A case problem or project approach to the study of management focusing on the strengths, weaknesses, threats, and opportunities that many of today's firms face; emphasizes contemporary management issues in multi-national as well as small business organizations. **Prerequisite: BSAD 550.** An elective course; offered on occasion in the summer. (3)

BSAD 552. Human Resource Management. A study of current theoretical and practical issues in human resource management to include areas of study such as equal employment opportunity, staffing the organization, training and developing employees, compensation and rewards program and unionization. **A required course.** (3)

BSAD 556. Production and Operations Analysis. The production function of business is defined. Production management models such as linear programming and TQM are applied to real situations through case analysis. **Prerequisites: MATH 121, 221 and 321 or equivalent. A required course.** Fall only. (3)

BSAD 560. Advanced Business Statistics. Applications of statistical techniques to business practices, including use of statistical packages with computers. **Prerequisites: MATH 121, 221, and 321, or equivalent. A required course.** Spring only. (3)

BSAD 562. Advanced MIS. Introduction to the concepts of MIS from a user's perspective; a non-computer technical course; requires a research project in MIS. **Prerequisite: CMPS 405 or equivalent.** An elective course; offered occasionally in the summer. (3)

BSAD 570. Managerial Finance in Theory and Practice. Concepts and techniques employed in determination of optimal capital structures, procurement of resources, financial markets, and allocation of resources to productive investments. **Prerequisite: BSAD 370 or equivalent. A required course** Spring only. (3)

BSAD 571. Problems in Finance. A case problem approach to financial policy and strategy, emphasizing acquisition, allocation, and management of funds within the business enterprise. **Prerequisite: BSAD 570.** An elective course; offered on occasion in the summer. (3)

BSAD 578. Special Graduate Topics in Business. A seminar course on a specialized topic in business; offered when mutual interest exists for a member of the business faculty or an adjunct faculty member and sufficient number of graduate students; will not duplicate existing course offerings. An elective course; offered on occasion in the summer. (3)

BSAD 585. Directed Study in Business. Independent study of a special topic under the supervision of a member of the department's graduate faculty. (3)

BSAD 586. Advanced International Business. A study of the international business environments within which business firms operate and the public policies and cultures which influence their activities; includes international finance, legal issues, management, and marketing considerations of the international, transnational, multinational, and global firms. A required course; offered in the spring. (3)

BSAD 589. Economic Development. An intensive one-week course designed to provide training in the basics of economic development in accordance with curriculum requirements prepared by the American Economic Development Council. Subject material is both theoretical and practical with an emphasis on economic development and its place in New Mexico. Summer only. (3)

BSAD 590. Directed Research in Business. Independent guided research on a topic under the supervision of a member of the department's graduate faculty. (3)

BSAD 597. Managerial Policy and Strategy. The study of how to align the firm in a changing business environment; study of policies designed to coordinate all functions of business enterprise from the viewpoint of the chief operating executive; emphasizes appropriate tools of analysis and simplicity. **This course cannot be taken until the student has completed twelve semester hours of the M.B.A. program. A required course.** Spring only. (3)

Chemical Dependency

CHDP 503. Advanced Helping Skills in Chemical Dependency. Examines the helping relationship, including skills relevant to working with persons affected by chemical dependency. The course will examine qualities of a functional helping relationship and social-psychological issues involved in working with the chemically dependent person. **Prerequisites: CHDP 304.** (3)

CHDP 504. Professional Principles in Chemical Dependency. Provides an understanding of the professional principles of chemical dependency counseling; examines the 12 core functions, ethical and legal issues, and special issues essential for chemical dependency counseling. **Prerequisites: CHDP 304, 306, and 307.** (3)

CHDP 508. Annual Alcohol & Drug Abuse Counselors Institute. Provides state-of-the-art information, training and techniques in the field of substance abuse counseling. Multiculturalism, gender, age and other elements of diversity are stressed as is ethics, supervision issues, current research and clinical methods. This program is sponsored by both the National Association of Alcohol and Drug Abuse Counselors (NAADAC) and the New Mexico Alcohol and Drug Abuse Counselors Association (NMADACA). **Participation in the 30 hours "Annual WNMU Alcohol & Drug Institute" is required. Course may be repeated for credit. Prerequisite: Permission of the instructor.** (3)

CHDP 521. Dual Diagnosis. Will examine the DSM-IV-TR as a tool for the initial assessment process, psychiatric disorders, substances abuse disorders, and show how to diagnose co-occurring disorders. Treatment planning for dually diagnosed individuals. **Prerequisite: CHDP 585 and permission of the instructor.** (3)

CHDP 565 Pharmacology. Will examine the ways drugs affect the brain and behavior. The content will range from general principles of neurobiology and pharmacology to the actions of specific classes of drugs. The primary focus of the course will be neurobiological and behavioral effects of drugs. **Prerequisite: CHDP 585 and permission of the instructor.** (3)

CHDP 581. Internship in Chemical Dependency. A supervised field experience utilizing a variety of psychological counseling skills and applications in an appropriate counseling setting under the direction of a professional psychologist. **Prerequisites: PSY 102 and permission of the instructor.** (3-9, 12 hours maximum)

CHDP 585. Directed Study.

CHDP 587. Group Dynamics. Provides the basic knowledge of group process, practice, and techniques used in chemical dependency counseling; examines the stages of development of group process and the techniques used in each stage. **Prerequisites: CHDP 403.** (3)

Computer Science

CMPS 501. Introduction to Information Security. Concepts and principles of system and data security. Risks and vulnerabilities, policy formation, controls and protection methods, database security, encryption, authentication technologies, host-based and network-based security issues, personnel and physical security issues, issues of law and privacy. Discussions include firewall design and implementation, secure internet and intranet protocols, and techniques for responding to security breaches. **Prerequisites: CMPS 505 or equivalent.** (3)

CMPS 505. MIS for Managers. Concepts of MIS from a user's perspective; explores the questions of: What is MIS? How do I use information as a manager? How do I use the MIS department to get the information I need in a form I can understand and use? This is a non-programming computer course. **Prerequisites: BSAD 350, CMPS 110 or 111.** (3)

CMPS 515. Advanced Concepts of Database. Databases are used by millions of users each day. However, competency in designing and creating databases has not increased with popularity. As databases provide core functionality for client-server applications for both business-to-business and business-to-consumer e-commerce applications, database design, development and administration are critical to information systems graduates, as well as, managerial personnel in today's world of business technology. **Prerequisites: CMPS 263.** (3)

CMPS 525. Computer Forensics. Addresses the way organizations respond to computer crime incidents and discusses how to forensically examine and recover data from various operating systems and application system environments. Core forensic procedures for any operating or file system, and how to conduct forensically sound examinations to preserve evidence for admission and use in legal proceed-

ings is addressed. **Prerequisites: CMPS 111 or equivalent and CMPS 505 or equivalent.** (3)

CMPS 535. e-Commerce. A ground up development of a web-based business will be undertaken. Tools and skills required for e-commerce will be developed and utilized. Online testing and practical experience are given essentials. **Prerequisites: CMPS 263, CMPS 362, and CMPS 365.** (3)

CMPS 540. Information Warfare. Overview of the working of Information Warfare in various settings, including, but not limited to, code (cipher) making and breaking, social engineering, hacking, denial of service, software nicking, nasty dealing, problem solving, web research and paper writing. This course is intended for upper-class Management Information Systems and Business majors and some other by instructor consent. No programming skills are required, although those who have certain skills may be given assignments to prepare and present to the class. **Prerequisites: CMPS 505.** (3)

CMPS 545. Cryptography: Algorithms & Applications. Introduction to the terms and concepts of Cryptography and the use of algorithms and applications in securing digital information. **Prerequisite: CMPS 505.** (3)

CMPS 567. Information Systems Networking. The essentials of networking will be covered from a management perspective. Practical examples and experience will be provided as course elements. Topologies and operations, monitoring and security issues will be studied in depth. **Prerequisites: CMPS 505.** (3)

Counseling

COUN/EDUC 500. Methods of Research. Acquaints the beginning graduate student with the nature and significance of research; enables the student to read, evaluate, and apply research results and techniques; gives some understanding of the meaning and spirit of research; gives some experience in studying and preparing research reports; required of all Master of Arts and Master of Arts in Teaching degree candidates. (3)

COUN 501. Introduction to the Profession of Counseling. This is an introductory counseling course covering some of the basic issues which will confront the beginning practitioner. Much time will be spent examining the ethical and legal concerns of the profession. An emphasis will be placed upon effective counselor characteristics, basic communication skills and counseling theories and techniques relevant to diverse population. (3)

COUN 505. Multicultural Counseling. This course is designed to assist students in understanding, valuing, and becoming effective in counseling diverse populations. It is based upon the promotion of cultural awareness and will assist students to identify their cultural assumptions in relation to people different from themselves. It will also enable students to identify and practice cross cultural counseling techniques. (3)

COUN 531. Theories and Techniques of Counseling. An intensive course in counseling theories, techniques, and methods, stressing the procedures appropriate to different stages of the counseling process, the use of assessments, evaluation, and other materials in counseling, and counseling with a variety of individuals and problems. (3)

COUN 532. Program Development and Management. The course is devoted to the planning, development, organization and administration of counseling and other human service programs. It will include information and exercises in developing needs assessments, grant writing, fund raising, community organization, and other aspects of program development, as well as covering a broad range of program management responsibilities and techniques. The course will require participation and the development of related proposals and/or materials. It will provide for as much experiential based learning as possible. Students take COUN 532 or 555 depending on their area of interest. (3)

COUN 534. Life Themes and Stages. The student will be introduced to the developmental approach to counseling in both the school and community setting. Community resources will be explored in the context of a developmental counseling program. Developmental theory will be related to preventive strategies assigned to keep the child mentally healthy. It will also present appropriate interventions for those individuals whose normal developmental processes have been affected by adverse internal or external forces. (3)

COUN 536. Working with Drug Abusers. This course is concerned with the special knowledge and techniques for successfully working with drug abusers. (1)

COUN 546. Working with the Elderly. The course is concerned with the special knowledge and techniques for successfully working with elderly persons. (1)

COUN 548. Working with Abused Persons. The course is concerned with the special knowledge and techniques for successfully working with abused persons. (1)

COUN/EDUC 550. Basic Training in Choice Theory and Reality Therapy. This course is designed to introduce students to basic concepts and practices in Choice Theory and Reality therapy. It represents the first in a sequence of four courses that will prepare students for certification by The William Glasser Institute. It will enable students to begin to practice effective CT/RT techniques in classroom, counseling and management settings. (3)

COUN/EDUC 551. Basic Practicum in Choice Theory and Reality Therapy. This course is designed to engage students in concentrated practice of the basic concepts of Choice Theory and Reality Therapy. It requires face to face practice with the instructor and students in small groups. It represents the second in a sequence of four courses that will prepare students for certification by The William Glasser Institute. (3)

COUN/EDUC 552. Advanced Training in Choice Theory and Reality Therapy. This course is designed to introduce students to advanced concepts and practices in Choice Theory and Reality Therapy. It represents the third in a sequence of four courses that will prepare students for certification by The William Glasser Institute. It will enable students to practice advanced CT/RT techniques in classroom counseling, and management settings. (3)

COUN/EDUC 553. Advanced Practicum in Choice Theory and Reality Therapy. This course is designed to engage students in concentrated practice of the advanced concepts of Choice Theory and Reality Therapy. It requires face to face practice with the instructor and students in small groups. It represents the fourth in a sequence of four courses that will prepare students for certification by The William Glasser Institute. (3)

COUN 555. School Counseling. This course introduces the student to the roles and responsibilities of a school counselor. The course provides an overview of the functions and skills critical to delivering a Comprehensive Competency Based Guidance program to all students in grades pre-K-12, based on the American School Counseling Association national standards. Students will take COUN 555 or COUN 532 depending on their area of specialization. **Prerequisites: COUN 501, COUN 534** (3)

COUN 578. Topics in Counseling. A seminar type class in which a variety of currently relevant issues and topics will be explored. Research into areas of concern and interest will be shared and discussed. In addition to certain competency areas, other current topics may be examined. Course may be repeated for credit when topic is different. (3)

COUN 581. Internship in Counseling. In this entry level 150 clock hour field experience course, the student utilizes a variety of counseling skills and applications in an appropriate counseling setting under the direction of a professional counselor. **Prerequisites: COUN 501 plus 9 additional hours of counseling courses and advisor approval.** (3)

COUN 582. Advanced Internship in Counseling. In this exit level 300 clock hour field experience course, the student utilizes a variety of counseling skills and applications in an appropriate counseling setting under the direction of a professional counselor. For each three hours of Internship, 150 clock hours of experience is required. Only six hours are required for a Masters degree but the course may be repeated up to a total of 12 credits. **Prerequisites: COUN 581 and advisor approval.** (3-6).

COUN 586. Vocational Guidance/Career Development. A systematic study of career development theories and practices, as well as occupational information. The course focuses on counseling methods and strategies that are appropriate for working with clients in many settings. (3)

COUN 587. Seminar in Group Processes. This course will focus on current thought in group counseling theory and practice. Group techniques for use with clients in a broad spectrum of settings will be reviewed and demonstrated; students will have the opportunity to develop group leader skills by participating in a counseling group as both a leader and a group member. **Prerequisites: COUN 501, COUN 531 or advisor approval.** (3)

COUN 588. Psychopharmacology for Counselors and Therapists. Tools for understanding psychotropic medications in the mental health continuum. Topics covered will be brain anatomy, neurotransmission, pharmacokinetics and pharmacodynamics. In addition, students will be provided information on clinical syndromes and medications for depressive disorders, anxiety disorders, obsessive-compulsive disorders and psychotic disorders. Special consideration will be given to diagnosis and treatment implications for special populations such as children and adolescents, and geriatric clients. **Prerequisite: PSY 512 and COUN 501.** (3)

COUN 596. Marriage and Family Counseling. This course is designed to introduce students to a knowledge base which will include current theories, assessments, research, and ethical considerations relating to a systems approach of marriage and family counseling. Demonstrations and role playing of various techniques and strategies will be used for clarification and practice. **Prerequisites: COUN 501, COUN 531 or advisor approval.** (3)