

CES 554 BROADBAND ACCESS TECHNOLOGY (3)

Lecture, 3 hours. Review of ISDN and B-ISDN Protocols, digital subscriber loops, and digital modems. The xDSL technology, xDSL family of protocols, ADSL standardization, its architecture, operation, implementation and management, ATM, TCP/IP, Ethernet transmissions using ADSL, and optical access. The course may require significant lab and/or project activity. Prerequisite: CES 440 or consent of instructor.

CES 558 MULTICASTING ON THE INTERNET (3)

Lecture, 3 hours. Multicasting fundamentals, multicast routing algorithms, IP multicast, architecture and operation of MOSPF, PIM, CBT, OCBT, HDVMP, HPIM, BGMP, and Mbone protocols. Real-time transport protocol and scalable reliable multicast, and reliable multicast transport protocols. Multicasting in ATM networks, IP multicast over ATM, and future directions. The course may require significant lab and/or project activity. Prerequisite: CES 552 or consent of instructor.

CES 561 COMPUTATIONAL TECHNIQUES FOR BIOMOLECULES (3)**CES 562 BIOMEDICAL INSTRUMENTATION (3)****CES 563 BIOPHOTONICS (3)****CES 564 MEDICAL IMAGE PROCESSING (3)****CES 590 SELECTED TOPICS IN COMMUNICATIONS AND PHOTONICS (3)**

Special topics to augment regularly scheduled graduate courses in communications and photonics will be presented. Prerequisites depend on subject material.

Counseling (COUN)

COUN 496 MIGRANT-EDUCATION ADVISOR PROGRAM (1-4)

School-based counseling experience supervised by Counseling department faculty. Under the guidance of the instructor, undergraduate students advise, counsel, and mentor K-12 students with a migrant background. Prerequisite: participation in the Migrant Education Advisor Program (MEAP) and consent of the instructor.

COUN 501 COUNSELING THEORIES AND PROFESSIONAL ORIENTATION (4)

An orientation to professional counseling focusing on standards of practice, major counseling theories, and essential concepts in the practice of counseling including attention to concepts of resilience and recovery-based models. Advocacy, systems of care, services, support for the severely mentally ill, and collaborative treatment are addressed in both counseling and case management. Mental health principles, the history and philosophy of counseling, consultation, self-care, cultural competence, roles of professional organizations and governing bodies, and ethical standards of the discipline are presented. This course also includes focus on 1 unit of special topics toward the CA LPCC license.

COUN 502P WHOLE LIFESPAN DEVELOPMENT, CHILD & ADOLESCENT DEVELOPMENT (2)

This course offers a developmental perspective on counseling interventions appropriately undertaken with children and adolescents. Objectives include: (1) providing students with an introduction to basic intervention strategies for counseling children and adolescents taking into account cultural and socio-economic influences; (2) familiarizing students with special topics, e.g., impact of divorce on children, child maltreatment, effects of domestic violence; and (3) consideration of family, peer, school, and community contexts in treatment planning (i.e., integrative case formulation) with children and adolescents. Course restricted to Counseling MA students only.

COUN 502Q WHOLE LIFESPAN DEVELOPMENT, ADULT DEVELOPMENT (2)

This course offers a developmental perspective on counseling interventions appropriately undertaken with adults. In this course students will discuss basic intervention strategies that facilitate adaptive change in adults' lives, particularly in the context of significant transitions and life events (e.g., marriage, parenthood, illness or disability, menopause, retirement, aging, loss, and bereavement). Long term care and elder abuse will also be addressed. Gender, sexual orientation, and ethnicity issues will be integrated into both didactic and experiential learning. Changes in career, interpersonal relationships, and family structure and dynamics will be examined over the life span with an emphasis on their interdependence. This course also incorporates focus on 1 unit of special topics toward the CA LPCC license. Course restricted to Counseling MA students only.

COUN 503 CLINICAL DIAGNOSIS AND TREATMENT PLANNING (4)

A course designed to cover psychopathology and sociopolitical-related issues of diagnosis and treatment. Attention is given to: (1) understanding the variability of psychopathology in community counseling settings; (2) the application of evaluation methods and diagnostic classification systems of the Diagnostic and Statistical Manual of Mental and Emotional Disorders (DSM); (3) development of appropriate treatment plans; (4) the relationship of class, gender, and ethnic background to diagnosis and treatment; (5) mental health recovery-oriented care; (6) principles of collaborative treatment, and (6) the impact of co-occurring disorders. This course also includes a focus on 1 unit of special topics toward the CA LPCC license. Course restricted to Counseling MA Students only.

COUN 510A APPLIED COUNSELING TECHNIQUES & ASSESSMENT (4)

This course helps students to develop necessary basic multiculturally competent assessment and counseling skills to prepare them for field based training experiences in a wide variety of settings. Students will learn interview and assessment methodologies including intake interviewing, crisis assessment, and suicide assessment. Training is done through the use of videotape feedback and in-class practice demonstrations involving personal disclosure, role-play, and group and instructor feedback. This course is normally taken in the first semester by new students. This course also includes focus on 2 units of special topics toward the California LPCC license. Course restricted to Counseling MA Students only.

COUN 510B APPLIED COUNSELING PRACTICUM & ADVANCED TECHNIQUES (4)

This course provides students with an opportunity to continue the development of multiculturally-competent counseling skills necessary for advanced field training during the 514A/B Supervised Field Experience sequence. There are different sections for CMHC (MFT & LPCC) and School Counseling (PPS) students: CMHC students see clients in a structured fashion on campus and School Counseling students work in school settings under the instructor's supervision. This course also expands on principles of counseling clients in crisis and clients who have experienced trauma. CR/NC only. Prerequisite: COUN 510A.

COUN 511A FUNDAMENTALS AND THEORETICAL FOUNDATIONS OF CAREER COUNSELING (1)

In accordance with both the Council for the Accreditation of Counseling and Related Educational Programs (CACREP) and The California Commission on Teacher Credentialing (CCTC), Counseling 511A focuses on academic and career awareness and support for individuals and families throughout the lifespan. Such foci includes learning and career development theory, system support, K-12 academic and career guidance, and career information resources. An overview of major theoretical career models and practice guidelines helps to provide this foundation. This class will also address how diversity issues influence personal needs and values, which, in turn, affect career/educational choices. Interrelationships among and between work, family, and other life roles and factors including the role of diversity and gender in career development will be addressed. The 2005 ACA Code of Ethics and 2008 ASCA Guidelines will be used as a guide for the discussion of ethical issues relevant to career counseling.

COUN 511B MEASUREMENT AND ASSESSMENT FOR CAREER COUNSELING (1)

In accordance with both the Council for the Accreditation of Counseling and Related Educational Programs (CACREP) and The California Commission on Teacher Credentialing (CCTC), Counseling 511B focuses on career assessment and interviewing skills designed to assist individuals and families throughout the lifespan. Such foci include the development of interviewing and assessment skills for groups and individual clients; skills with print and computer-based career counseling materials; skills in the area(s) of individualized and/or group career counseling; and an increased awareness of one's own personal needs, values, aptitudes, abilities, and interests as they affect vocational choices. Students will also acquire a 'hands-on' knowledge of career counseling interviewing and assessment skills and will become familiar with career, educational, occupational, and labor market information resources that are available.

COUN 511C CAREER PLANNING AND COUNSELING ISSUES OF YOUNG ADULTHOOD, ADULTHOOD, AND LATE ADULTHOOD (1)

COUN 511C focuses more specifically on career planning, counseling, and transition issues including theories of career development, knowledge of interviewing, assessment, and print and computer-based career counseling materials. Attention is placed on matters impacting career issues of adulthood, including such topics as job maintenance, advancement, retirement, job-loss, avocation and leisure, and secondary career status. Further considered are how diversity issues influence personal needs, values, aptitudes, abilities, and interests, which, in turn, affect career and educational choices.

COUN 511D ACADEMIC AND CAREER PLANNING AND COUNSELING ISSUES OF K-12 POPULATIONS (1)

COUN511D is an introductory course in K-12 academic counseling and career development. Course content includes the foundations of learning theory, youth career development and academic guidance models, and print/internet based academic/career counseling materials. The course explores the impact of personal needs, values, cultural variables, aptitudes, abilities, and interests on academic progress and career/vocational choices.

COUN 512 THEORY AND PRACTICE OF GROUP COUNSELING (4)

This didactic and experiential course provides students with an introduction to the concepts and practices of group counseling, supplemented by lectures and readings. The dynamics and procedures involved in working with groups will be examined with students functioning as both group participants as well as group leaders. The course also examines basic group counseling skills, stages of group formation, confidentiality, trust issues, co-counseling in groups, group dynamics and structure, groupwork with families, and groupwork from a systemic perspective. Cultural factors related to group work are identified didactically and experientially. Practical approaches to group counseling include psycho-educational groups, interpersonal problem-solving groups, and task/work groups, among others. This course also includes focus on 1 unit of special topics toward the CA LPCC license. Prerequisite: Course restricted to Counseling MA Students only.

COUN 513 RESEARCH, EVALUATION, AND ASSESSMENT IN COUNSELING (4)

A survey of the principles of research design, program evaluation, and assessment as applied to counseling in school and community settings, with a focus on using these skills to improve individual and programmatic counseling efficacy. Student will develop an understanding of key issue in assessment, including test development, administration and scoring, test reporting and interpretation, and test evaluation and selection. In addition, students will develop an understanding of research design and how it can be utilized for data-based counseling program planning and evaluation. The course will increase students' awareness of the ethical and cultural dilemmas that are inherent in assessment, research, and evaluation. Prerequisite: Counseling MA students only; demonstrated competence in basic statistical analysis.

COUN 514A SCHOOL COUNSELING SUPERVISED FIELD EXPERIENCE I (4)

This seminar provides a group discussion and supervision format in conjunction with advanced field based training, in school settings. The class meetings are designed to supplement the individual and group supervision provided by site supervisors, and the goal of the seminar is to help students develop a model of professional functioning through the integration of theory, pragmatic strategies, and personal development. Aspects of cultural diversity that influence counseling practice in community and school settings will be addressed didactically and experientially. Integral to this experience is the exchange of feedback and support among seminar participants. This course also addresses techniques for working with clients and situations involving crisis/trauma. Students will initiate a culminating case study project, with both oral and written components. Prerequisites: 510A and 510B, 520, and 501 is highly recommended. Evaluations are by letter grade. Course restricted to Counseling MA Students only

COUN 514B SCHOOL COUNSELING SUPERVISED FIELD EXPERIENCE II (4)

This seminar provides opportunities to build upon and consolidate the field based training skills addressed in COUN 514A. A group discussion and supervision format continues to provide supplemental support relative to counseling field work in school settings. The class meetings are designed to supplement the individual and group supervision received from site supervisors, and the goal of the seminar is to help students develop a model of professional functioning through the integration of theory, pragmatic strategies, and personal development. Aspects of cultural diversity that influence counseling practice in community and school settings will be addressed didactically and experientially. Integral to this experience is the exchange of feedback and support among seminar participants. Significant attention is paid to working with clients and systems in crisis and experiencing trauma. Students will complete a culminating case study project, with both oral and written components. Prerequisites: 510A, 510B, 514A, 520, and 501 is highly recommended. This is a graded course. Course restricted to Counseling MA Students only.

COUN 515A CMHC SUPERVISED FIELD EXPERIENCE I (4)

This seminar provides a group discussion and supervision format in conjunction with advanced field based training, which may be in community counseling settings (CMHC students). The class meetings are designed to supplement the individual and group supervision provided by site supervisors, and the goal of the seminar is to help students develop a model of professional functioning through the integration of theory, pragmatic strategies, and personal development. Aspects of cultural diversity that influence counseling practice in community and school settings will be addressed didactically and experientially. Integral to this experience is the exchange of feedback and support among seminar participants. This course also addresses techniques for working with clients and situations involving crisis/trauma. Students will initiate a culminating case study project, with both oral and written components. Prerequisites: 510A, 510B, and additional coursework in the MA program. Course restricted to Counseling MA Students only.

COUN 515B CMHC SUPERVISED FIELD EXPERIENCE II (4)

This seminar provides opportunities to build upon and consolidate the field based training skills addressed in COUN 515A. A group discussion and supervision format continues to provide supplemental support relative to counseling field work in community counseling settings (CMHC, MFT, and LPCC). The class meetings are designed to supplement the individual and group supervision received from site supervisors, and the goal of the seminar is to help students develop a model of professional functioning through the integration of theory, pragmatic strategies, and personal development. Aspects of cultural diversity that influence counseling practice in community and school settings will be addressed didactically and experientially. Integral to this experience is the exchange of feedback and support among seminar participants. Significant attention is paid to working with clients and systems in crisis and experiencing trauma. Students will complete a culminating case study project, with both oral and written components. Prerequisites: 510A, 510B, 514A, and additional courses in the MA program. This is a graded course. Course restricted to Counseling MA Students only.

COUN 520 INTRODUCTION TO SCHOOL COUNSELING (4)

This course provides a conceptual overview and orientation to the practice of school counseling. Emphasis will be placed on school counseling programs as critical components of the education enterprise, the ASCA national model of school counseling, and the expanding and changing role of the school counselor.

COUN 521 SEMINAR: PUPIL PERSONNEL SERVICES - CONCEPTS AND ORGANIZATION (4)

A seminar in organizing, supervising, and administering comprehensive service Pupil Personnel Programs in elementary and secondary schools; legal and financial aspects, as well as laws affecting children and child welfare are covered. Students learn how to create a developmental school counseling program that is an integral part of the entire educational program in the school. Prerequisite: COUN 520.

COUN 523 WORKING WITH FAMILIES IN SCHOOL SETTING (4)

This course has as its focus a study of family systems and how they impact and interact with all the systems that involve the child including educational and cultural systems. Basic to this is the study of the students' own family of origin and its impact on the student. Each student is required to lead or co-lead a parent education group in a school setting during the last half of the course. Prerequisite: COUN 510A/B is required.

COUN 524 COUNSELING CHILDREN AND ADOLESCENTS (4)

This course provides an overview of the theories and techniques of child and adolescent counseling with a focus on youth development in a sociocultural context. Counseling interventions used in schools and common concerns of school-aged students are emphasized. Methods for establishing rapport, goal setting, and case formulation are highlighted. Special emphasis will be placed on applying theory to practice in a developmentally appropriate manner.

COUN 526 GROUP COUNSELING IN THE SCHOOLS (4)

This didactic and experimental course examines the concepts and practices unique to group counseling in the schools. Psycho-educational strategies in the school settings are emphasized. Particular attention is given to processes and challenges involved in the implementation of these strategies; cultural context, effectiveness and evaluation issues will be explored. The dynamics and procedures involved in working with small and large groups will be studied with members as participants and as leaders. Prerequisite: COUN 510A (Pre-practicum) and COUN 520.

COUN 527 LAW AND ETHICS FOR SCHOOL COUNSELORS (3)

This course examines the legal and ethical responsibilities of the school counselor. Course topics include; educational counseling, child abuse reporting, confidentiality, record keeping, and attendance and truancy laws. This course also provides an overview of special education law, including: the different federal categories of disability, Individualized Educational Program (IEP) procedures, suspension and expulsion of students with disabilities, and Section 504 Accommodation Plans.

COUN 528A CONSULTATION (3)

This course provides a general framework for understanding and practicing culturally and contextually sensitive consultation, collaborative problem solving, and systems level intervention in educational settings. An exploration of the stages of consultation and the major models of consultation are covered. Students will gain experience in the delivery of consultation services.

COUN 528B CRISIS INTERVENTION (1)

This course focuses on prevention, response, and recovery during a crisis, and the counselor's role as part of a school-based crisis intervention team. Crises include school violence, accidents, and the death or suicide of a student or faculty member. Maintaining the safety and security of the school community emphasized.

COUN 540 COUNSELING DIVERSE COUPLES AND FAMILIES (4)

This course offers theoretical, principle, and methodological foundations for understanding diverse couple and family relationships by providing an overview of historical and contemporary models of conceptualization, assessment and intervention. Attention is devoted to important legal, ethical and clinical considerations unique to working with families and couples, including partner abuse assessment, intervention and dynamics; child abuse reporting; and roles of families and systems in substance abuse and dependence. Throughout, cultural factors such as the role of poverty, sexual identity, blended families/step-parenting, and multi-racial families are addressed. This course also includes focus on 3 units of special topics toward the CA LPCC license.

COUN 545 COUNSELING ORIENTATION, LAW AND ETHICS, AND CASE MANAGEMENT PRACTICES (4)

This course is designed to clarify the legal and ethical responsibilities of the Clinical Mental Health Counselor (CMHC). Legal standards related to counseling practice will be surveyed, including issues related to dissolution; child care, custody, and abuse; confidentiality; involuntary hospitalization; mandatory reporting requirements; detection, assessment, and treatment of domestic violence; and other issues related to the relationship between law and counseling. Ethical standards, which often overlap with legal standards, will be surveyed. This course also addresses case management practices commonly employed by clinicians. Cultural considerations will be examined as they impact counseling and case management practices. This course satisfies the educational requirements for licensure as a Marriage and Family Therapist and as a Licensed Professional Clinical Counselor in California. It also includes focus on 1 unit of special topics toward the CA LPCC license. Course restricted to Counseling MA Students only.

COUN 570 SEMINAR: MULTICULTURAL COUNSELING (4)

This course is designed to provide students with an understanding of how different forms of diversity (ethnicity, culture, sexual orientation, socioeconomic status, age, disability, religion and gender) can affect counseling processes. Students will identify and explore their own unique ethnic and cultural worldview and see how it affects their counseling approaches in both community and school counseling settings. Students will explore theories of multicultural counseling and development. Students will also become knowledgeable about various minority groups in California and in the United States and how majority culture influences the minority individuals' daily lives and their responses to counseling. The seminar will address multicultural aspects of counseling children, youth, and adults including advocacy and use of culturally appropriate counseling modalities. This course includes focus on 4 units of special topics toward the CA LPCC license. Course restricted to Counseling MA Students only.

COUN 580 COUPLES AND SEXUALITY COUNSELING (4)

This course provides students with theoretically-based knowledge about and skills in conducting counseling for couples, including addressing sexuality issues. Assessment and counseling interventions covered will reflect the pluralistic needs of couples who are embedded in complex social systems (e.g., legal, health). Issues such as intimate partner violence, infertility, gender roles, and sexual function/dysfunction will be addressed, and cross-cultural considerations will be incorporated throughout all topics. Students will also have opportunities to explore their own world-views as they relate to coupling and sexuality, to increase their effectiveness with a diversity of clients. This course also includes 4 units of special topics and populations toward the California LPCC license.

COUN 581 INTRODUCTION TO CHEMICAL DEPENDENCY (1)

A survey course designed to provide a broad conceptual base regarding the major dimensions of dependence upon drugs/alcohol. Emphasis is on practical issues from the standpoint of the family and the community. The course explores historical and current modes of treatment, intervention, and prevention of alcoholism and alcohol-related problems. Students are expected to have a basic understanding of psychopathology and family systems prior to enrollment. This course is designed to provide specific instruction in alcoholism and other chemical substance dependency, and is designed to meet the requirements issued by the Board of Behavioral Sciences, State of California.

COUN 582 PSYCHOPHARMACOLOGY FOR COUNSELORS (3)

This didactic course explores basic principles and applications of psychopharmacology in the mental health field. Emphasis is paid to neurotransmitter systems in the nervous system, principles of drug action, and clinical pharmacology (the use of medications to treat behavioral, psychological, and psychiatric conditions such as eating disorders, depressive disorders, hyperactivity, anxiety disorders, psychotic disorders, and dementia). Attention will be paid to the community counselor's role in the effective, multiculturally-competent, and ethical use of psycho-active medications (e.g., referral, consultation, monitoring) when psychopharmacological interventions are part of treatment as well as to the historical and sociopolitical contextual issues surrounding the prescription of psychiatric medication.

COUN 583 SUBSTANCE ABUSE AND DEPENDENCE (2)

A didactic course designed to provide a broad conceptual base regarding major dimensions of alcohol and drug abuse and dependence disorders. The course explores theories of addiction, co-occurring disorders, medical aspects, effects and approaches to prevention, assessment and treatment of alcohol and drug abuse/dependence disorders. The contextual role of the family and larger systems, including the legal system, are addressed. Risk factors, community resources, referral, and prevention information is discussed from developmental and cross-cultural perspectives.

COUN 595 SPECIAL STUDIES (1-4)

COUN 596 SUPERVISED FIELD EXPERIENCE (1-4)

Counseling experience supervised by Counseling Department faculty. Experience can be gained both at on-campus counseling facility or in outreach programs in the community. Cr/NC Only. Prerequisite: consent of instructor; for School Counseling students: permission of School Counseling faculty.

Criminology and Criminal Justice Studies (CCJS)

CCJS 201 CRIMINAL JUSTICE AND PUBLIC POLICY (4)

A systematic analysis of the effectiveness and influence of criminal justice policy and practice throughout the criminal justice system. The focus is on the development and implementation of crime control policy. Satisfies GE, category D1 (Individual and Society).

CCJS 330 GOVERNMENT AND THE RULE OF LAW (4)

Nature and development of law and legal institutions from philosophical, historical, comparative, and contemporary perspectives; interrelationships of law, morality, and custom; social control, legal change and social change; and the legal profession.

CCJS 340 LAW ENFORCEMENT AND DRUG LEGISLATION (4)

An examination of issues and problems posed by the licit and illicit use of drugs for the administration of justice and corrections. It critically examines social theories and social policies in relation to drugs. Topics to be covered include: the origins of the contemporary drug crisis in the United States; the development of criminal justice policies regarding drug use; the varieties of drugs and the destructive problem created by each for law enforcement, adjudication, and corrections. Some emphasis will be placed on economics, politics, and international relations as a factor in enforcement policies.

CCJS 365 MANAGEMENT IN PUBLIC AGENCIES (4)

Central concerns are the formation and administration of the managerial policies of public agencies. Focus on such vital issues as the allocation of public resources, public accountability, and the description, analysis, solutions, and synthesis of contemporary managerial problems in criminal justice agencies. Cross-listed as POLS 430.

CCJS 370 SEMINAR IN RESEARCH METHODS (4)

A consideration of the methods used by criminal justice researchers in a variety of basic and applied settings. Topics include the choice of a problem, ethical issues, the logic of science, measurement, sampling procedures, surveys, coding, experimentation, observation, and summarizing findings.

CCJS 375 CURRENT ISSUES IN CRIMINOLOGY & CRIMINAL JUSTICE (4)

An in-depth examination of selected topics and issues in criminal justice. Specific course topic varies by semester. May be repeated for credit.

CCJS 399 LECTURE SERIES (2)

A weekly meeting or meetings offering presentations and discussions by guest lecturers on issues of current interest and importance. May be repeated for a total of 4 units.

CCJS 404 INTRODUCTION TO CONSTITUTIONAL LAW (4)

A survey of selected areas of constitutional law and Supreme Court decision making, considering the political and social influences as well as doctrinal forces which have produced various policies and interpretations. Cross-listed as POLS 423.

CCJS 405 RIGHTS OF THE ACCUSED (4)

Leading constitutional cases in criminal justice, including: search and seizure, death penalty, electronic surveillance, privilege against self-incrimination, jury trial, right to counsel, and double jeopardy, will be studied in detail.