Counseling, Educational Psychology and Special Education – Descriptions of Courses

906. Advances in Pattern Recognition
Fall, 3(3-0) CPS 805, CPS 806, CPS 822.
Current research topics in pattern recognition, exploratory data analysis, syntactic pattern recognition and digital image processing; practical applications of pattern recognition methodology.

911. General Automata Theory I
Fall of odd-numbered years, 3(3-0) CPS 823 or SYS 827 or approval of department. Interdepartmental with Electrical Engineering. Characterization of machines and programs as automata; mathematical decomposition of finite automata.

912. General Automata Theory II
Winter of even-numbered years, 3(3-0) CPS 911. Interdepartmental with Electrical Engineering. Reliability and redundancy of finite automata. Probabilistic sequential machines. Languages definable by probabilistic and deterministic automata. Axioms for equivalence of regular expressions.

913. General Automata Theory III
Spring of even-numbered years, 3(3-0) CPS 912. Interdepartmental with Electrical Engineering. Degrees of difficulty of computation. Models of parallel computation. Iterative automata.

921. Advanced Computer Systems I
Fall, 3(3-0) Two graduate level courses in computer system design (hardware or software). Interdepartmental with Electrical Engineering. Models of single and multiple processors, their computational power, and measures of performance. Interconnection networks, data driven machines, and pipelines.

922. Advanced Computer Systems II
Winter, 3(3-0) CPS 921. Interdepartmental with Electrical Engineering. Design and characterization of parallel algorithms. Matching of algorithms with appropriate hardware configurations. Programming languages which support parallel computation.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Variable credit. Approval of department.

COUNSELING, EDUCATIONAL PSYCHOLOGY AND SPECIAL EDUCATION CEP

(Name change effective September 1, 1981. Formerly departments of Counseling and Educational Psychology, and Elementary and Special Education.)

College of Education

400. Testing and Grading
(ED 465.) Fall, Winter, Spring, Summer, 3(3-0) T E 200 or T E 200A or T E 200B or T E 200C.
Construction, use, and evaluation of teacher-made classroom tests, objective and essay, in elementary schools, secondary schools, and colleges. Statistical analysis of test scores and item responses. Grading problems.

401. Standardized Tests and Testing Programs
(ED 464.) Fall, Winter, Spring, Summer, 3(3-0) Approval of department. An overview of standardized tests and sources of information about them. Selection and use of standardized tests. Interpretation of standardized test scores. Local and wide-scale testing programs.

405. Instructional Design and Technology
(ED 410.) Fall, Spring, 2 to 4 credits. May be repeated for a maximum of 6 credits. T E 200 or T E 200A or T E 200B or T E 200C. Students design plans for implementing instruction via systems approach and application of learning principles.

411. School Learning I
(ED 411.) Fall, Winter, Spring, 3(3-0) T E 200 or T E 200A or T E 200B or T E 200C. Verbal learning, concept formation, problem solving and transfer with implications for teaching in schools.

412. Human Growth and Development
(ED 412.) Fall, Winter, Spring, 3(4) 2 T E 200 or T E 200A or T E 200B or T E 200C. Patterns in human growth and mental and emotional development of children through 2 years and adolescents 12 through 18; observation and participation in schools is an integral part of the course.

413. Mental Health of School Children
(ED 413.) Fall, Winter, Spring, Summer, 3(3-0) T E 200 or T E 200A or T E 200B or T E 200C. Social and emotional adjustments of children. Emphasis on balancing factors favoring prevention and resolution of behavior difficulties and evaluation of school programs on basis of their contribution to mental health.

428A. Psycho-Educational Characteristics of the Mentally Retarded
(ED 428A.) Fall, Summer, 3(3-0) CEP 460A or approval of department. Cognitive, affective and social characteristics of the mentally retarded. Implications for school learning and life adjustment. Differentiation of mental retardation from related conditions.

428B. Curriculum for the Mentally Retarded
(ED 428B.) Fall, Summer, 3(3-0) CEP 460A or approval of department. The development of curriculum for mentally retarded children and youth emphasizing current practice in pre-school through secondary school programs for educable and trainable mentally retarded.

428C. Educational Procedures for the Mentally Retarded
(ED 428C.) Fall, Summer, 3(3-0) CEP 460A or approval of department. Methods of instruction for mentally retarded children and youth, including the development of objectives, assessment of individual abilities, the development of learning skills, and the teaching of non-academic and academic skills.

428D. Education of the Severely Retarded
(ED 428D.) Fall, Winter, Spring, 3(3-0) CEP 460A. Procedures in teaching severely mentally retarded children and youth.

431A. Educational Media in Instruction
(ED 431A.) Fall, Winter, Spring, 3(3-0) CEP 431A or approval of department. A course for teachers and prospective teachers in the local production of visual instructional materials.

434. Computers in the Classroom
Fall, Winter, Spring, 3(3-0) CEP 434. How to teach computer literacy and programming in public schools. Computer aided instruction in the classroom. Applying instructional design principles to the selection, evaluation, modification, and development of computer courseware.

442. Use of Paraprofessionals in Counseling
(ED 477.) Fall, Spring, 3(3-0) History and current status of the paraprofessional movement. Review of the selection, training, and evaluation processes; identification of issues and problems in the use of support personnel.

450. Interpersonal Process Recall
(ED 414.) Fall, Winter, Spring, Summer, 3(3-2) Approval of instructor. Interpersonal communication focusing on one’s own interpersonal style through self-study of video-recorded interviews.

460A. Education of Exceptional Children
(ED 424A.) Fall, Winter, Spring, Summer, 3(3-0) CEP 460A. Emphasis on the nature of handicapping conditions and educational needs and approaches. Includes mental retardation, emotional disturbance, visual, auditory and physical handicaps.

460B. Educational Provisions for the Physically Handicapped
(ED 427A.) Fall, 3(3-0) CEP 460A or approval of department. Facilities, programs, trends and terminology in education of the physically handicapped. Field trips to special classes and hospital school programs.

461. Core Seminar in Special Education
(ED 480.) Fall, Winter, Spring, 2(2-0) T E 161, CEP 460A, admission to special education, core students only. Consideration of affective interactions with children, parents, and other professionals, and self. Attention to sharing field experiences, examining belief-behavior consistency, teaching in the affective domain, and the parent-teacher partnership.
463A. The Exceptional Child in the Regular Classroom  
Spring. 2(2-0) T E 201.B  
Exceptional learners characteristics, and instructional strategies/curricular adaptations appropriate to such learners. Legislation mandating educational programs and affecting school practices will be reviewed.

465A. Educational Provisions for Deaf Children and Youth  
(ED 425A.) Winter. 3(3-0) CEP 460A, T E 470, ASC 454.  
Adaptation of educational methods, materials and curriculum to the needs of individuals with severe and profound hearing impairment.

465B. Language Development for the Deaf  
(ED 425B.) Fall. 3(3-0) CEP 460A, T E 470, ASC 222, ASC 454.  
Theories of language development; consideration of systems in both oral and total communication philosophies, practice in manual communication.

465C. Speech Development for the Deaf  
(ED 425C.) Fall. 3(3-0) CEP 465B or concurrently.  
Techniques for aiding development of intelligible speech in individuals with severe and profound hearing loss.

465D. Manual Communication I  
(ED 425D.) Fall, Winter, Spring. Summer of odd-numbered years. 3(2-2) Approval of department.  
Development of basic skills in finger spelling and the language of signs, with emphasis on signed English; practice in simultaneous use with spoken English.

465E. Manual Communication II  
(ED 425E.) Fall, Winter, Spring. 3 credits.  
Continued development of skills in total communication for use in educational services delivery system. Practice in simultaneous use of speech, finger spelling and the language of signs at an intermediate level.

465K. Field Experience: Mental Retardation  
(ED 490C.) Fall, Winter, Spring. 3(3-0) CEP 460A.  
Supervised practicum in an educational program for mentally retarded learners.

469A. Psycho-Educational Evaluation of the Handicapped  
(ED 424B.) Fall, Winter, Spring. 3(3-0) CEP 466A.  
Screening and placement procedures; terminology and interpretation of tests used for assessment of intelligence, aptitude, achievement, personality and interests of the handicapped.

469B. Educational Provisions for Learning Disabilities  
(ED 427B.) Fall, Winter, Spring. 3(3-0) CEP 469A.  
Characteristics and terminology of basic learning theories and disabilities. Educational practices and programs and major contributors. Field practicum with learning disabled children.

470A. Educational Provisions for the Visually Handicapped  
(ED 423A.) Fall, Summer. 3(3-0) CEP 460A, ASC 454.  
Causes and effects of visual impairment; definitions, statistics and trends; history and legislation; program and services for children and adults through schools, agencies and institutions; medical and psychological aspects.

470B. Curriculum, Methods and Materials for the Visually Handicapped  
(ED 423B.) Fall, Winter, Spring. 4(3-2) CEP 460A, CEP 470C or concurrently.  
Comprehensive curricular essentials: required teacher competencies and special principles of instruction; resources, materials and methods of teaching at the elementary school level. Concurrent laboratory experience in classrooms with visually handicapped pupils.

470C. Braille  
(ED 423C.) Fall, Summer. 4(3-2) CEP 460A, ASC 454.  
A laboratory course designed to teach the skills of reading and writing standard English Braille using required tools.

470D. Low Vision and Its Facilitation  
(ED 423D.) Winter. Summer of odd-numbered years. 3(3-0) ASC 323.  
Medical lectures and laboratory demonstrations regarding various pathologies leading to reduced vision. Visual and optical aids for utilization of residual vision. Educational implications of pathologies, reduced vision and optical aids.

470E. Daily Living Skills for Visually Handicapped Children  
(ED 423E.) Fall, Summer. 3(3-0) CEP 460A.  
Basic techniques for developing competencies in daily living skills including grooming, eating, orientation and mobility. Readiness activities. Use of cane as mode of travel.

470F. Communication Modifications for Visually Handicapped Children  
(ED 423F.) Spring. 3(3-2) CEP 470C.  
A laboratory course including Nemeth Code of Mathematics; science, music and language concepts; preparation of classroom materials; establishing test reference materials. Emphasis upon instruction at the secondary level.

470J. Teaching Low Vision Skills  
(ED 490J.) Fall, Winter, Spring. 1(0-3) juniors in education of visually handicapped or blind/deaf learners.  
Adapting learners with limited residual vision makes maximal use of prescribed low vision aids; and interpreting the use of such aids to teachers of nonhandicapped children.

470K. Aiding Teachers of Visually Handicapped Learners  
(ED 490K.) Fall, Winter, Spring. 1(0-3) juniors in education of visually handicapped or blind/deaf learners.  
Three separate experiences: aiding teachers of preschool, primary, intermediate and adolescent-young adult, multi-impaired visually handicapped learners in public and residential school programs.

470L. Teaching Daily Living Skills to Visually Handicapped Learners  
(ED 490L.) Fall, Winter, Spring. 1(0-3) juniors in education of visually handicapped or blind/deaf children.  
Supervised practice with visually handicapped and blind/deaf learners to develop competencies in teaching orientation and mobility, and the other skills of daily living.

471A. Education of the Blind-Deaf  
(ED 423J.) Fall, Winter. Spring. 3(2-2) CEP 470C or concurrently.  
Methods of teaching blind-deaf children including guiding principles; curriculum structure; readiness activities; sensory development; discipline; evaluation; methods of communication; speech and speech reading, and language, including language methods and principles.

471B. Teaching Optacon Reading to Blind School-Age Learners  
(ED 423H.) Fall, Winter, Spring. 1(0-3) Junior Special Education majors.  
A laboratory course emphasizing curriculum, teaching methods and materials designed to enable blind school-age learners to read print using the Optacon.

471K. Aiding Teachers of Blind/Deaf Learners  
(ED 490H.) Fall, Winter, Spring. 1(0-3) May reenroll for a maximum of 3 credits.  
Juniors in education of blind/deaf learners.  
Three separate experiences: aiding teachers of blind/deaf learners in teaching low-functioning, preacademic and primary level children.

475. Organization of Services for the Handicapped  
(ED 424C.) Fall, Winter, Spring. 3(3-0) CEP 490A.  
Identification and study of organizations important to the operation of special education programs including educational, state and voluntary agencies.
800. Principles of Educational Measurement
(ED 865.) Winter, Summer, 3(3-0) CEP 401 or CEP 400; CEP 904.
Nature of measurement and types of scales. Units, scores, norms, sampling, item analysis, batteries and profiles. Principles of reliability and validity. Use of test scores in decision making.

802A. Appraisal of Individual Intelligence and Personality: Individual Measurement—Binet
(ED 866A.) Winter, Summer, 3(3-0) CEP 401 or CEP 400 or PSY 415; approval of instructor.

802B. Appraisal of Individual Intelligence and Personality: Individual Measurement—Wechsler
(ED 866B.) Fall, Spring, Summer, 3(3-0) CEP 401 or CEP 400 or PSY 415; approval of instructor.
Measurement of intelligence with the Wechsler scales. Observation, practice, supervision, and interpretation.

802C. Appraisal of Individual Intelligence and Personality: Personality Assessment in Education
(ED 866C.) Spring, 3(3-0) CEP 401 or CEP 400, CEP 813 or PSY 427.
Study of general personality structure and methods in personality assessment related to education.

803. Educational Research Methods
(ED 867.) Fall, Winter, Spring, Summer, 3(3-0)
Rationale for and methods of research in education. Emphasis is given to the identification of researchable problems and the interpretation of research studies in the student's major field.

804. Appraising Educational Research
(ED 869.) Winter, Summer, 4(4-0) Approval of instructor.
Appraisal of educational research from a data analytical point of view. Issues of statistical models and experimental design needed to critically examine research.
Descriptions - Counseling, Educational Psychology and Special Education

Courses

831C. Photography in Instruction
(ED 831C) Fall, Summer. 3(3-0) CEP 831B or approval of department.
Design, production, and use of photographic materials for instruction. Production of photographs, slides, filmstrips, overhead transparencies, sound tapes, and motion pictures. 35mm still camera (preferably a single lens reflex) required.

831D. Instructional Cinematography
(ED 831D) Winter, Summer. 3(3-0) Approval of instructor.
Instructional cinematography, slides, filmstrips, overhead transparencies, sound tapes, and motion pictures. 35mm still camera (preferably a single lens reflex) required.

832. Diffusion of Educational Innovations
(ED 832) Fall, Spring. 3(3-0) Approval of instructor.
Operational principles, techniques, and heuristics for gaining and maintaining change in educational and training organizations.

833. Information Handling Systems
(ED 833) Fall, Spring. 3(3-0) CEP 830 or approval of instructor.
Design, implementation and study of information handling systems for print and non-print resources.

834. Computer Applications in Education I
(ED 834) Fall, Winter, Spring. 3(3-0) CEP 834, or approval of instructor.
Fundamentals of computer applications in education, with hands on experience. History of computer education, computer functioning related to educational problems. Hardware and software available for educational application.

834A. Computer Applications in Education II
Fall, Winter, Spring. 3(3-0) CEP 834.
Computer applications in instruction (CAI), administration and research. Direct experience with a broad spectrum of computer software widely used in educational applications.

835. Instruction in College Teaching
Winter. Spring. 3(3-0) Graduate student, approval of instructor.
Instructional psychology and system design principles applied to college teaching. Selecting lecture, discussion and other teaching modes. Techniques for planning, delivering and evaluating college teaching.

837. Instructional Product Development
(ED 837) Winter. 3(3-0) CEP 410 or approval of instructor.
Determining a need for, and designing, developing, evaluating, installing and maintaining instructional products in a variety of settings including schools, universities, business, industry and government.

840A. Counseling Practice
(ED 840A) Fall. 3(3-0) Admission to M.A. Counseling Program.
The practice of counseling and guidance in schools, community colleges, and rehabilitation agencies.

840B. Introduction to Counseling * Theory
(ED 840B) Fall. 3(3-0) Admission to M.A. Counseling Program.
Selected theories of counseling with special attention to the application of theories of learning in the counseling process.

840C. The Guidance Information Service
(ED 840C) Spring. 3(3-0) CEP 840A, CEP 840B.
The use of occupational, educational and social information in counseling interviews and in guidance programs.

840D. The Counseling Process
(ED 840D) Winter. 3(3-0) CEP 840A, CEP 840B.
The counseling process with emphasis given to students learning a systematic approach to counseling. Students practice interviewing skills in a counseling laboratory.

840E. Counseling and Consulting Strategies
(ED 840E) Spring. 3(3-0) CEP 840A, CEP 840B.
Selected remedial and preventative counseling strategies will be studied. Methods and techniques for assisting with individual and environmental change will be examined. Procedures for counseling with parents, teachers, and agency personnel will be studied.

840F. Counseling Practicum I
(ED 840F) Fall, Winter, Spring. 6(4-8) CEP 840C, CEP 840D.
Supervised counseling experienced in selected schools and agencies followed by analysis and critique of these experiences through group and individual consultation with instructor.

840G. Counseling Practicum II
(ED 840G) Fall. 6(4-8) CEP 840F.
Continuation of CEP 840F.

840H. Development Counseling Services
(ED 840H) Fall, Winter. 3(3-0) CEP 840F.
A systems approach to the management of pupil personnel services. Students will use the approach in solving simulated problems.

840J. Group Procedures in Counseling
(ED 840J) Summer. 3(3-0) CEP 840F.
An examination of theories of group counseling with special attention to goal-directed groups. Tapes of group counseling will be analyzed and practice in leading groups under simulated conditions will be provided.

840K. Research in Counseling
(ED 840K) Summer. 3(3-0) CEP 904.
Emphasis on research methods useful to counselors; measuring counseling outcomes, developing local test norms and expectancy tables, evaluating guidance services, studying behavioral change in the single case.

842B. Overview of Rehabilitation Placement
(ED 842B) Winter. 3(3-0) CEP 842A.
An overview of the impact areas of job placement for the handicapped. Presentations on placement models, state agency approaches, pertinent legislation, and employer, counselor, and client perspectives.

842C. Assessing Vocational Potential
(ED 842C) Spring. 3(3-0) CEP 842B.
Techniques for assessing the vocational potential of disabled individuals including use of vocational tests, medical information, and occupational information for an integrated vocational appraisal.

842D. Assessing Employer Needs
(ED 842D) Fall. 3(3-0) CEP 842B, CEP 842C.
Techniques for surveying employers, gaining entry for an interview, presenting oneself, client, and agency, and assisting clients in their search for employment.

842E. Research Applications in Rehabilitation
(ED 842E) Fall, Winter, Spring. 3(3-0) CEP 842E concurrently or approval of department.
Individual study and research related to an aspect of rehabilitation.

842F. International Aspects of Rehabilitation and Special Education
(ED 842F) Spring. 3 credits. May enroll for a maximum of 6 credits. CEP 842B.
International dimensions of rehabilitation and special education including developmental perspectives, current status and issues in the field.

842G. Vocational Evaluation in Rehabilitation
(ED 842G) Winter. 3(3-0) CEP 842A.
Vocational (work) evaluation: utilizes work, real or simulated, as the focal point for assessment and vocational counseling to assist individuals in vocational development. Majority of classes are held in an off-campus rehabilitation center.

842H. Legal Rights of Handicapped People and Their Counselors
(ED 842H) Spring. 3(3-0) CEP 842A.
Legal issues important to physically and mentally handicapped people.

842J. Rehabilitation Internship
(ED 842J) Winter, Spring. 3 to 21 credits. May enroll for a maximum of 21 credits. CEP 842F, approval of department.
Supervised graduate internship in rehabilitation counseling.

842K. Independent Living in Rehabilitation
Fall. 3(3-0) Approval of instructor.
Independent living including social and political implications, current status and related issues.

842L. Leadership in Rehabilitation Counseling
Fall. 3(3-0) CEP 840A or CEP 842A.
Theoretical and practical approaches to management through leadership in the rehabilitation counseling area including management projects.

A-58
842S. Introduction to Rehabilitation and Special Education in the United States (ED 817A.) Fall, Spring, Summer. 3(0-3) Approval of instructor.
Overview of rehabilitation and special education programs in the United States. Emphasis will be given to historical development, current status, and future directions of services for handicapped persons.

844A. Introduction to Urban Counseling (ED 817A.) Fall, 3(3-0) CEP 840A, CEP 840B concurrently.
Problems—health, socio-cultural, economic, educational, legal, vocational—as manifested by urban residents and their resolution through counseling. Emphasis on systems and personal change mechanisms.

844B. Systemic Counseling (ED 817B.) Fall, 3(3-0) Approval of department.
An evaluation of the theory and philosophy of systemic counseling. Issues pertaining to systemic change will be examined.

844C. Urban Counseling Practicum (ED 817C.) Fall, Winter, Spring, Summer. 3 credits. May reenroll for a maximum of 12 credits. CEP 844A or approval of instructor.
A minimum of 12 hours per week of supervised counseling will be performed in an urban agency setting. Emphasis on developing counseling skills applicable to urban residents and urban agencies.

844D. Urban Career Development System Analysis (ED 817D.) Winter. 3(3-0) CEP 844A, approval of department.
Critique of existing theories of vocational career development and interest inventories for use with urban residents, examination of barriers to urban residents, and development of alternative models.

844E. Urban Counseling in the Elementary School (ED 817E.) Summer. 3(3-0) Approval of department.
Seminar of issues and impact of the urban environment on the elementary school's personal and social responsibilities with implications for the role of the counselor.

844F. Sexism, Racism and Alienation in the Therapeutic Process (ED 817F.) Spring. 3(3-0)
Historical perspective, definitions, manifestations, and consequences of sexism, racism and alienation in promoting social inequity. Emphasis upon constructing counseling interventions to address needs of identified groups.

844G. Community Evaluative Research (ED 817K.) Spring. 3(3-0) CEP 844A, CEP 863, CEP 904 or approval of department.
Application of evaluative research methods to the solution of urban problems; review of current evaluative techniques; identification of problems, design, experiments; review of selected studies.

850A. Interpersonal Process Recall (ED 814A.) Fall, Summer. 3(0-3)
A structured training model designed to teach facilitation of interpersonal communication through learning communication skills, examining interpersonal stress, and self-study of one's own videorecorded behavior. Theory and research issues will be presented.

850B. Stress Management (ED 890B.) Fall, Winter, Spring, Summer. 3(3-0) Approval of department.
Principles of stress management and their application to personal and occupational stress situations.

851A. Development of Self-understanding (ED 896) Fall, Winter, Spring, Summer. 3(3-0)
Development of self-awareness and understanding of one's personal and interpersonal style influences and its influence on human relationships in educational settings.

853A. The Handicapped Student in the Regular Classroom (ED 889K.) Fall, Winter, Spring, 3(3-0) Teacher certification.
Problems and issues involved in educating children in the least restrictive environment (mainstream). Emphasis on legal, attitudinal, and practical factors which influence teachers and students.

855A. Issues in Education of Deaf (ED 890A.) Spring. 3 credits. Graduate students.
Designed for graduate non-majors seeking to expand information and understanding of severe and profound hearing loss; educational implications, programs.

855K. Field Experience: Education of Deaf (ED 890K.) Spring. 2 to 6 credits. May reenroll for a maximum of 12 credits. Graduate students.
Supervised graduate field experience in educational programs for the deaf and hearing impaired.

855M. Independent Study: Education of Deaf (ED 891K.) Spring. 2 to 5 credits. May reenroll for a maximum of 10 credits. Graduate students.
Supervised study in deaf education conducted according to a written agreement stating the problem or topical area of study, the methodology and the product of the study.

865A. Issues in Education of the Severely Impaired/Autistic Student in the Home and School (ED 889B.) Fall, Spring, 3(3-0) Special Education majors only, approval of instructor.
This seminar focuses on crucial issues related to programming for emotionally impaired students.

865B. Advanced Methods and Materials in Special Education: Emotionally Impaired (ED 889B.) Fall, Spring, 3(3-0) Special Education majors only, approval of instructor.
Review and analysis of research findings, intervention strategies, and curriculum development applicable to emotionally impaired children and youth.

866A. Field Experience: Emotionally Impaired (ED 890B.) Fall, Winter, Spring, 3 credits. May reenroll for a maximum of 18 credits. Master's students with an emphasis in emotionally impaired, approval of department.
Supervised graduate field experience in educational programs for the emotionally impaired.

866B. Advanced Methods and Materials in Special Education: Emotionally Impaired (ED 889B.) Fall, Winter, Spring, 3(3-0) Approval of instructor.
A comprehensive exploration of autism in terms of diagnosis, treatment and prognosis. The effect of autism on the family unit, the community and the school system.

866C. Advanced Methods and Materials in Special Education: Communication Strategies for Teachers of Autistic Students (ED 889C.) Fall, Spring, 3(3-0) Approval of instructor.
Design and implementation of a language and communication curriculum for autistic students. Traditional language development and alternative modes of communication stimulation.
Courses of Descriptions

869B. Psychoeducational Coordination of course work and field experiences in the setting for methods, materials, and majors in the area of learning disabilities including assessment, programming, and intervention.

869C. Psychoeducational Diagnosis of the Handicapped (ED 890G.) Fall, Winter, Spring. 3 to 6 credits. May reenroll for a maximum of 18 credits. Approval of instructor. Supervised graduate field experience in educational programs for the visually handicapped.

869D. Teacher Consultant Skills for Mainstreamed Children (ED 885.) Fall, Spring. 3(3-0) CEP 460A, CEP 869A, CEP 869B. Two years special education teaching experience or instructor. Consultant skills including role identification, problem-solving techniques, individual and group communication processes, inservice activities, school survival and study skills curriculums.

869E. The Learning Disabled Adolescent (ED 888N.) Fall, Spring. 3(3-0) CEP 869A, CEP 869B or concurrently. Assessment procedures and instructional methodology appropriate for learning disabled students. Various programming options and outcomes will be contrasted. Emphasis on instruction in learning strategies.

869F. Learning Disabilities Practicum (ED 880F.) Fall, Winter, Spring, Summer. 3 to 12 credits. May reenroll for a maximum of 12 credits. Approval of instructor. Supervised practice working with learning disabled students in educational programs for the learning disabled and in a clinic setting on campus; applying skills learned in related courses.

869G. Independent Study: Learning Disabilities (ED 890L) Spring, 3 to 12 credits. May reenroll for a maximum of 12 credits. CEP 489B, CEP 869B, CEP 869C.

870K. Field Experience: Teaching Visually Handicapped Learners (ED 890D) Fall, Winter, Spring. 3 to 12 credits. May reenroll for a maximum of 12 credits. Approval of department. Supervised graduate field experience in educational programs for the visually handicapped.

899. Master's Thesis Research (ED 889P.) Spring. 3(3-0) Approval of instructor. Analysis of State and Federal legislation, regulations, and litigation as related to special education and impact on administration of these programs. Includes study of current and precedent court decisions.

873A. Special Education Administrative Practices and Problems (ED 889K) Fall. 3(3-0) Approval of instructor. Major problems in administering special education programs. Current practices of administrators implementing federal and state mandated programs.

873B. Special Education Finance (ED 889H) Winter. 3(3-0) Graduate students. Analysis of major special education funding systems, the Michigan system, intermediate school district special education tax, constituent district reimbursement policies and approaches to special education budgeting.

875C. Special Education Late (ED 889P) Spring. 3(3-0) Approval of instructor. Designed to promote the study of application of theory and research to specialized programs. Students will have the section defined by their major program area. Organization and administrative aspects of special education programming, federal, state, intermediate and local district level programs in special education are reviewed.

881. Workshops in Counseling, Educational Psychology and Special Education Fall, Winter, Spring. 1 to 6 credits. Approval of instructor. Laboratory approach which provides opportunities for experienced educational personnel to concentrate their study on common problems in counseling, educational psychology, or special education.

882. Seminars in Counseling, Educational Psychology and Special Education Fall, Winter, Spring. 1 to 9 credits. May reenroll for a maximum of 15 credits. Approval of department. Seminars in the various fields of emphasis in counseling, educational psychology and special education.

883. Readings and Independent Study in Counseling and Educational Psychology Fall, Winter, Spring. 1 to 6 credits. May reenroll for a maximum of 15 credits. Approval of department. Study on an individual or group basis in the various fields of emphasis.

884. Laboratory and Field Experience in Counseling and Educational Psychology Fall, Winter, Summer. 1 to 9 credits. May reenroll for a maximum of 15 credits. Approval of department. Supervised graduate practicum, observations, internships, and externships in the various areas of emphasis.
900A. Psychometric Theory
(ED 965A.) Spring of odd-numbered years. 3(3-0) CEP 800, CEP 905.
Advanced theoretical aspects and derivation of formulas involved in reliability, validity, item analysis, weighting and differential prediction, sampling and norm construction, and the relation of item characteristics to test statistics.

900B. Problems of Educational Measurement
(ED 965B.) Winter of even-numbered years. 3(3-0) CEP 800, approval of department.
Advanced consideration of the logical and philosophical bases of educational measurement. Theory of test planning and development and evaluation. Problems of test administration and scoring. Issues in test use.

900C. Testing and Evaluation in Counseling Psychology
(ED 965C.) Winter. 3(3-2) Basic course in standardized tests and measurements. FAC 828E.
Analysis and interpretation of selected standardized tests related to vocational counseling of college students. Self-appraisal, case studies and clinical experience under supervision will be emphasized.

902A. Personality Assessment I
(ED 966A.) Winter. 3(3-0) PSY 425, PSY 827, PSY 829, PSY 831.
The application of the MMPI to individuals. Administering and interpreting the MMPI in written and oral form.

902B. Personality Assessment II
(ED 966B.) Spring. 3(3-0) CEP 902A, PSY 425, PSY 427.
Administration, scoring and interpretation of the Rorschach Personality Test. Writing psychological assessment reports. Application of Rorschach technique to treatment, assessment, and diagnosis.

904. Quantitative Methods in Educational Research
(ED 889.) Fall, Winter, Summer. 4(4-4) Pretest and approval of instructor.
Application of descriptive statistical techniques to educational data. Introduction to estimation and testable hypotheses. Interpretation of statistical reports.

(ED 969B.) Fall, Winter, Summer. 4(4-0) CEP 904 or pretest, approval of instructor.
Principles and techniques in the application of inferential statistics to educational data with emphasis on the analysis of variance and multiple comparison procedures. Overview of regression techniques.

906. Quantitative Methods in Educational Research: Experimental Design in Education
(ED 969C.) Winter, Spring, Summer. 4(4-0) CEP 905.
Theory and practice in the design, analysis and interpretation of experimental and quasi-experimental research.

907A. Advanced Research Methods in Education
(ED 967.) Fall, Spring. 4(4-0) CEP 803, CEP 904 or CEP 905.
Principles and techniques in survey research with limited consideration of content analysis and observational studies. Sampling, instrumentation, data collection, and data analysis.

908. Issues in Program Evaluation
(ED 965F.) Spring. 3(3-0) Three courses in measurement, evaluation, statistics, or research design.
Issues in program evaluation will include such topics as evaluation and political decision making, external vs internal evaluation, quantitative vs qualitative evaluation, evaluation vs research, and meta evaluation.

911. Educational Psychology Seminar
(Fall. 3(3-0) May enroll for a maximum of 15 credits. Doctoral candidacy approval of instructor.
Educational psychology doctoral candidates must enroll in the fall.
History of educational psychology, learning and cognition, personality and self-concept development, social psychology of classroom behavior, social learning theory, school psychology, research on teaching.

(Fall. 3(3-0) Winter of odd-numbered years. 3(3-0) CEP 911 or PSY 810, CEP 904, CEP 905.
Review existing research and methods for study of individual decision making, judgment and problem solving in a variety of fields — education, medicine, clinical psychology, business, etc., and their implications for education and training.

928. Conceptual Foundations of Educational Research
(Fall. 3(3-0) Approval of instructor.
Interdepartmental with and administered by the Department of Teacher Education.
Epistemology and ideology in educational research. Analysis of concepts of method, causality, objectivity and subjectivity in historical perspective.

931A. Seminar in Instructional Technology: Research and Development
(Fall. 3(3-0) Approval of department.
History and development of instructional technology emphasizing leaders, events, research and legislation affecting use of instructional technology in education.

931B. Seminar in Instructional Technology: Research and Development
(Winter. 3(3-0) Approval of department.
Analysis and appraisal of selected research studies in instructional technology with attention to purposes, rationales, assumptions, designs, methodologies and findings.

933. Seminar in Instructional Technology: Research and Development
(Spring. 3(3-0) Approval of department.
Analysis and appraisal of student's dissertation proposals and reports on surveys of related literature.

935. Seminar in Principles and Practice of Instructional Consultation
(Spring. 3(3-0) Approval of instructor.
Theoretical framework for consultation with instructional development clients. Case studies, role play simulations, debriefings. Application of the principles and development of consultation strategies and styles.

944. Counseling Supervision in Urban Settings
(Fall. 3(3-0) May enroll for a maximum of 9 credits. CEP 844C (12 credits).
Development of supervisory skills in relation to the systemic counseling model with urban settings as a focus. Practical in supervising master's level students in Urban Counseling field experiences.

948B. Psychology of Vocational Development
(Winter. 3(3-0) Approval of instructor.
Relationship between psychological concepts and vocational development.

949A. Social Development and Counseling Psychology
(Winter. 3(3-0) Approval of instructor.
Stages of social development as a counseling construct. Developmental goals and techniques appropriate to life stages. Implications of missing or inadequately passing through a developmental stage.

951. Group Processes in Counseling Psychology
(Fall. 3(3-0) CEP 949A or approval of instructor.
Principles of learning and their application to the counseling process.

952. Research in Counseling Psychology
(Spring. 3(3-0) CEP 905.
Criticism, interpretation and design of counseling research.
955. Counseling Pre-Practicum
(ED 985.) Spring. 3(0-6) Doctoral status in college counseling or related area and approval of department. Seminar emphasizing establishing good interpersonal relationships. Self-understanding, an understanding of psychodynamics, and test interpretation as preparation for assuming counseling responsibilities. Approach is didactic and experimental with limited contacts with clients.

956A. Counseling Practicum I
(ED 986A.) Fall. 3(0-6) CEP 955 or approval of department. Supervised experience working with college students in a counseling relationship. Group discussions, group supervision and observation of counseling interviews, and individual supervision.

956B. Counseling Practicum II
(ED 986B.) Winter. 3(0-6) CEP 956A. Supervised experience working with college students in a counseling relationship. Group discussions, group supervision and observation of counseling interviews, and individual supervision.

956C. Counseling Practicum III
(ED 986C.) Spring. 3(0-6) CEP 956B. Supervised experience working with college students in a counseling relationship in the residence halls. Individual supervision, increased client contact hours, and participation in staff activities.

957A. Field Experience: Special Education Administration Simulation
(ED 990A.) Spring. 3(0-9) Approval of instructor. Supervised graduate practicum in administration of the Special Education program of a simulated school district.

957B. Field Experience: Special Education Administration
(ED 990B.) Fall, Winter, Spring, Summer. 3 to 12 credits. May reenroll for a maximum of 18 credits. Approval of department. Supervised graduate practicum or internship in special education administration.

982. Seminars in Counseling, Educational Psychology and Special Education
Fall, Winter, Spring, Summer. 1 to 9 credits. May reenroll for a maximum of 15 credits. Approval of department. Seminars in the various fields of emphasis in counseling, educational psychology and special education.

983. Readings and Independent Study in Counseling and Educational Psychology
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 15 credits. Approval of department. Study on an individual or group basis in the various fields of emphasis.

984. Laboratory and Field Experience in Counseling and Educational Psychology
Fall, Winter, Spring, Summer. 1 to 9 credits. May reenroll for a maximum of 15 credits. Approval of department. Supervised graduate practicums, observations, internships, and externships in the various areas of emphasis.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

CRIMINAL JUSTICE

College of Social Science

110. Introduction to Criminal Justice
Fall, Winter, Spring, Summer. 3(3-0) Agencies and processes of criminal justice, emphasizing historical, constitutional, legal, and political considerations. Criminal Justice is also analyzed as a system, with the problems and prospects for change.

210. Introduction to Forensic Science

312. Criminalistics I
Fall. 3(0-6) Criminalistics majors. Criminalistics laboratory techniques. Photography, crime scene recording, reproduction of evidence, latent fingerprints.

313. Criminalistics II

314. Criminalistics III

315. Criminal Investigation
Fall, Winter. 4(4-0) C J 375. Theory of investigation, crime scene conduct, collection and preservation of physical evidence and methods used in scientific interpretation of evidence.

318. Crime and the Community
Fall, Spring. 4(4-0) C J 320. Interdisciplinary survey of police-criminal justice and community relations. Stresses the community role and responsibility for crime, crime-coping programs, and the need for the improvement of criminal justice processes.

320. Criminology
(235.) Fall, Winter, Spring, Summer. 4(4-0) SOC 241 or C J 110 or approval of school. Interdepartmental with and administered by the Department of Sociology. Crime analyzed from sociological perspective: meaning of crime, crime statistics, and measurement, theories of crime causation, crime typologies, e.g., professional organized, violent, sex, white-collar crimes, juvenile delinquency.

330. Organisational Theory and the Politics of Criminal Justice
Fall, Spring. 4(4-0) C J 320 or approval of school. An historic and a comparative overview of the principles of organization used by criminal justice agencies. Current theories and practices in organization, with special attention to the impact of politics on system objectives and policy development.

335. Police Process
Fall, Winter, Spring, Summer. 4(4-0) C J 110, C J 320. Functions of law enforcement and the role of the police in modern society. Study of the police from several perspectives; historical, sociological, psychological, organizational and political.

355. Juvenile Justice Process
Fall, Winter, Spring, Summer. 4(4-0) C J 320. Variables related to the duties and responsibilities of criminal justice practitioners working with delinquents. Prevalent interdisciplinary issues, ideas, principles and assumptions pertaining to delinquency.

365. Corrections Process

375. Criminal Law Process
Fall, Winter, Spring, Summer. 4(4-0) C J 320. Administration of criminal justice: investigation, detection, arrest, search, seizure, charging, adjudication, sentencing, probation, corrections, parole. Constitutional safeguards and legal controls on official action emphasized.

400H. Honors Study
Fall, Winter, Spring, Summer. 1 to 3 credits. May reenroll for a maximum of 6 credits. Seniors or approval of instructor. Individually selected programs of supervised group or individual study dealing with some phase of the criminal justice system.

401. Independent Study
Fall, Winter, Spring, Summer. 1 to 3 credits. May reenroll for a maximum of 6 credits. C J 335, C J 355, C J 365, C J 375 or approval of school. Individual study of the various fields of emphasis in criminal justice, under direct supervision of appropriate faculty member.

409. Issues in Criminal Justice
Fall, Winter, Spring, Summer. 3 or 4 credits. May reenroll for a maximum of 15 credits when different topics are taken. C J 355, C J 365, C J 375 or approval of school. Forum for course offerings on special issues in criminal justice, by visiting instructors or regular faculty.