Counseling, Educational Psychology and Special Education—CEP

961 Perspectives on Diversity in Counseling Psychology
Spring. 4(3-4) R: Open only to Ed.S. or Ph.D. students in the Counseling Psychology or Counselor Education or Rehabilitation Counselor Education or School Psychology major.

962 Psychology of Career Development
Spring. 3(3-0) R: (CEP 864) R: Open only to Ph.D. students in the Counseling Psychology or Counselor Education or Rehabilitation Counselor Education major.

963 Ethics in Counseling Psychology
Spring. 3(3-0) R: Open only to Ed.S. or Ph.D. students in the Counseling Psychology or Counselor Education or Rehabilitation Counselor Education or School Psychology major.

964 Counseling Foundations
Fall of odd years. 3(3-0) RB: (CEP 960 or concurrently) R: Open only to Ph.D. students in the Counselor Education or Rehabilitation Counselor Education major.

965 Current Research and Issues in Counseling
Fall of even years. 3(3-0) RB: (CEP 964) R: Open only to Ph.D. students in the Counselor Education or Rehabilitation Counselor Education major.

966 Psychological Diagnosis and Assessment I
Fall. 3(3-0) RB: (CEP 960) R: Open only to Ph.D. students in the Counseling Psychology major.

967 Psychological Diagnosis and Assessment II
Spring. 3(3-0) RB: (CEP 966) R: Open only to Ph.D. students in the Counseling Psychology major. C: CEP 994B concurrently. Diagnosing categories, mental status examination, differential diagnosis, and objective and projective psychological assessment.

968 Research Methods in Counseling Psychology
Fall. 3(3-0) RB: (CEP 933) R: Open only to Ph.D. students in the Counseling Psychology or Rehabilitation Counselor Education or Counselor Education major.

969 Supervision of Counseling Psychologists
Spring. 3(2-3) RB: (CEP 967 and CEP 994B) R: Open only to Ph.D. students in the Counseling Psychology major.

971 Teaching Practicum in Counselor Education
Fall of even years. 3(3-2) P.M.: (CEP 970) R: Open only to doctoral students in the Counseling Psychology or Counselor Education or Rehabilitation Counselor Education or School Psychology major.

975 Psychological Assessment of Cognitive Dysfunction
Spring of even years. 3(3-0) RB: (CEP 966 or CEP 880) R: Open only to doctoral or Educational Specialist students in the Department of Counseling, Educational Psychology and Special Education.

982 Seminar in Counseling, Educational Psychology and Special Education
Fall, Spring, Summer. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to Ph.D. students in the College of Education.

990 Independent Study
Fall, Spring, Summer. 1 to 6 credits. R: Open only to Ph.D. students. Individual or small group study, guided by a faculty member, in the areas of Counseling, Educational Psychology and Special Education.

991A Special Topics in Learning, Technology and Culture
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to doctoral students in the College of Education.

991B Special Topics in Educational Statistics and Research Design
Fall, Spring. 4(4-0) A student may earn a maximum of 16 credits in all enrollments for this course. RB: (CEP 933) R: Open only to Ph.D. students. Special topics in educational statistics and research design.

994A Counseling Psychology Practicum I
Fall. 3(0-9) RB: (CEP 960) R: Open only to Ph.D. students in the Counseling Psychology major.

994B Counseling Psychology Practicum II
Spring. 3(0-9) P.M.: (CEP 994A) R: Open only to Ph.D. students in the Counseling Psychology major.

994C Advanced Practicum in Counseling Psychology
Spring. 3(0-9) P.M.: (CEP 994B) R: Open only to Ph.D. students in the Counseling Psychology major.

994D Laboratory and Field Experience in Special Education
Fall. Spring. 3(1-6) R: Open only to Ph.D. students in Special Education. Approval of department.

995 Practicum in Research Design and Data Analysis
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. RB: (CEP 933) R: Open only to doctoral students in the College of Education.

999 Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 100 credits in all enrollments for this course. R: Open only to doctoral students in the Department of Counseling, Educational Psychology and Special Education.

CRIMINAL JUSTICE

CJ

School of Criminal Justice
College of Social Science

110 Introduction to Criminal Justice
Fall. 4(4-0) R: A background in general chemistry and biology.

210 Introduction to Forensic Science
Fall. 4(4-0) R: Description and analysis of agencies and processes involved in administration of justice in the United States.
CJ—Criminal Justice

220 Criminology
Fall, Spring. 4(4-0) Interdepartmental with Sociology. RB: (CJ 110 or SOC 100) R: Open only to students in the Criminal Justice or Sociology major or approval of school.


292 Methods of Criminal Justice Research
Fall, Spring. 4(4-0) RB: (CJ 220) R: Not open to freshmen. Open only to students in the School of Criminal Justice.

Logic, design, analysis and ethical principles in criminal justice research. Indicators of crime and its control.

335 Police Process
Fall, Spring. 4(4-0) RB: (CJ 292) R: Open only to juniors or seniors in the Criminal Justice major.

Roles, responsibilities, issues, and trends pertinent to contemporary law enforcement organizations in contemporary society.

355 Juvenile Justice Process
Fall, Spring. 4(4-0) P.M: (CJ 220) R: Open only to juniors or seniors in the Criminal Justice major.

The juvenile justice system and law. Theories of juvenile delinquency and deviance. Sociological, psychological, and anthropological perspectives.

365 Corrections Process
Fall, Spring. 4(4-0) RB: (CJ 292) R: Open only to juniors or seniors in the Criminal Justice major.

Historical and contemporary views of offender management and treatment. Corrections system operation. Effects of institutionalization. Alternatives to incarceration.

375 Criminal Law Process
Fall, Spring. 4(4-0) RB: (CJ 110) or concurrently and CJ 292) R: Open only to juniors or seniors. Administration of criminal law. Investigation, prosecution, adjudication, and sentencing. Constitutional safeguards and legal controls on official action.

385 Introduction to Private Security
Fall. 3(3-0) R: Not open to freshmen or sophomores.

Relationships of private protective services with public law enforcement. Individuals, businesses, and governments providing prevention, protection, investigation, and disaster recovery services. Protection of persons, property, and information.

400H Honors Study
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to Honors College seniors and approval of school.

Faculty-supervised group or individual study dealing with a phase of the criminal justice system.

421 Minorities, Crime, and Social Policy
Spring of odd years. 3(3-0) P.M: (CJ 110 or SOC 100) R: Open only to juniors or seniors.

A socio-historical analysis of the effects of race and ethnicity on legitimate social opportunities, criminal behavior, victimization, and differential judicial processing. Analysis of the impact of assimilation and acculturation on criminal behavior, victimization, and criminal justice processes.

422 Comparative and Historical Criminal Justice
Fall of odd years. 3(3-0) RB: (CJ 110) R: Open only to juniors or seniors in the Criminal Justice major.

Comparative study of criminal justice systems. Theories, types, and effects of intervention.

425 Women and Criminal Justice
Spring of even years. 3(3-0) Interdepartmental with Women's Studies. RB: (CJ 220 or WS 201) R: Open only to juniors or seniors.

Theories on women's victimization and criminality. Women's experiences as victims, offenders, and criminal justice employees. Laws and their effects on the rights of women in the criminal justice system.

432 Community Policing
Spring. 3(3-0) RB: (CJ 335) R: Open only to juniors or seniors in the Criminal Justice major.

Community policing philosophy, applications, issues, and contemporary research. Community policing models.

433 Law Enforcement Intelligence Operations
Spring. 3(3-0) RB: (CJ 335) R: Open only to juniors or seniors in the Criminal Justice major.

Law enforcement intelligence as an analytic tool for case development and resource allocation. Historical, ethical, legal, public, and operational issues affecting current practice.

434 Police Administration (W)
Fall. 3(3-0) P.M: Completion of Tier I writing requirement. RB: (CJ 335) R: Open only to seniors in the Criminal Justice major.

Organizational theory, leadership, communications, and labor relations in police administration. Historical and legal perspectives.

435 Investigation Procedures
Fall. 3(3-0) RB: (CJ 375) R: Open only to seniors in the Criminal Justice major.


455 Delinquency and Treatment Approaches
Spring. 3(3-0) RB: (CJ 355) R: Open only to juniors or seniors in the Criminal Justice major.


456 Criminal Careers and Career Criminals (W)
Spring. 3(3-0) P.M: Completion of Tier I writing requirement. RB: (CJ 355 or CJ 365) R: Open only to seniors in the Criminal Justice major.


465 Correctional Programming and Analysis
Spring. 3(3-0) RB: (CJ 355 or CJ 365) R: Open only to juniors or seniors in Criminal Justice.

Contemporary institutional and community corrections programs. Research on adult and juvenile crime prevention, diversion, and treatment programs.

466 Correctional Organizations and Systems (W)
Fall. 3(3-0) P.M: Completion of Tier I writing requirement. RB: (CJ 355 or CJ 365) R: Open only to seniors in the Criminal Justice major.

Management of correctional organizations. Interactions between correctional organizations and their political and cultural environments.

471 Law of Corrections
Fall of odd years. 3(3-0) RB: (CJ 375) R: Open only to juniors or seniors in the Criminal Justice major.

Constitutional limitations and the impact of law on correctional practice. Due process, prisoners' rights, and parole and probation.

474 Law and Criminal Justice Policy
Spring. 4(4-0) RB: (CJ 375) R: Open only to juniors or seniors in the Criminal Justice or Interdisciplinary Studies in Social Science major.

Impact of law on police practices, court processes, and corrections institutions and programs. Development, implementation, and evaluation of judicial policies.

485 Asset Protection Management (W)
Spring. 3(3-0) P.M: Completion of Tier I writing requirement. RB: (CJ 385) R: Open only to seniors in the Criminal Justice major.

Risk analysis, security surveys, and audits to control losses due to crime, errors, and safety and environmental hazards. Management of asset protection and loss prevention programs in business, industry, and government.

490 Independent Study
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: (CJ 292) R: Open only to juniors or seniors in the Criminal Justice major.

Individual study in fields of criminal justice, under direct supervision of a faculty member.

491 Topics in Criminal Justice
Fall, Spring. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course. RB: (CJ 292) R: Open only to juniors or seniors in Criminal Justice major. Approval of school.

Special issues in criminal justice.

494 Criminal Justice Practicum
Fall, Spring. Summer. 3 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. RB: (CJ 335 and CJ 355 and CJ 365 and CJ 375) R: Open only to juniors or seniors in the Criminal Justice major. Approval of school.

Observation, participation and study in selected criminal justice agencies.

801 Crime Causation, Prevention, and Control
Spring. 3(3-0) R: Open only to graduate students in Criminal Justice.

Theories of crime causation. Translation of theory to policy.
Criminal Justice—CJ

805 Survey in Forensic Science
Fall. 4(4-0) R: Open only to students in the Forensic Science major.
Scientific analysis of physical evidence. Four major aspects of physical evidence using real criminal and civil cases: generation of physical evidence by criminal activity; collection and preservation of physical evidence; analysis of physical evidence by forensic science laboratory; presentation of scientific expert testimony in court.

809 Issues in Criminal Justice
Fall, Spring. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Social Science-Criminal Justice major.
Special issues in criminal justice research and management.

810 Proseminar in Criminal Justice
Fall. 3(3-0) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Social Science-Criminal Justice major.
Survey of classical and recent literature in criminal justice. Trends and issues that transcend the components of the criminal justice system.

811 Design and Analysis in Criminal Justice Research
Fall. 3(3-0) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Social Science-Criminal Justice major.

812 Criminal Justice Management Seminar
Fall. 3(3-0) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Social Science-Criminal Justice major.
Organization theory and behavior for the criminal justice agency. Organization and policy planning, budgeting, forecasting, human resource management, and project implementation.

814 Seminar in Management Topics
Fall of odd years. 3(3-0) R: Open only to graduate students in the School of Criminal Justice or the Social Science-Criminal Justice major.
Critical application of selected analytical tools to managing justice agencies. Human and financial resources. Organizational design. Productivity measurement and enhancement. Resource acquisition and allocation.

815 Proseminar in Criminal Investigation
Spring. 3(3-0) R: (CJ 811) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Social Science-Criminal Justice major.

817 Law and Forensic Science
Spring. 2(2-0)
Legal aspects of forensic science. Adjudicative process, admissibility of scientific evidence, laboratory reports, hearsay, relevant case materials and expert testimony.

819 Forensic Analysis of Drugs and Alcohol
Fall. 3(1-5) R: Open only to graduate students in the School of Criminal Justice.
Techniques and processes in analysis of physical evidence including spectroscopy, chromatography, microscopy. Emphasis on controlled substances.

820 Forensic Chemistry and Microscopic Evidence
Spring. 3(1-5) R: (CJ 819) R: Open only to graduate students in the School of Criminal Justice.
Continuation of CJ 819. Analysis of trace evidence including hairs and fibers, paints and coatings, explosives and fire residues, glass and soil.

824 Forensic Serology
Fall. 3(2-4)
Identification of body fluids of forensic interest, including blood, semen, and saliva. Sources of false positive and negative results.

825 DNA Profiling
Spring. 3(2-4)
DNA profiling. Nuclear and mitochondrial DNA analysis of blood, semen, hair, saliva and other tissues of forensic interest.

835 Managing Police Organizations
Spring of odd years. 3(3-0) R: (CJ 810) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Criminal Justice major.
Issues and practices in police management. Management philosophy and personnel management.

836 Assessment of Police Policies and Operations
Spring of even years. 3(3-0) R: (CJ 835) R: Open only to master's students in the Doctor of Philosophy Degree in Criminal Justice.
Recent policy-related research and its application to the deployment of human resources.

865 Adult Corrections
Fall of odd years. 3(3-0) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Doctor of Philosophy Degree in Criminal Justice.
Traditional and contemporary adult correctional practices. Social, political, economic, and organizational factors affecting correctional policies.

866 Adult and Juvenile Corrections
Spring of odd years. 3(3-0) R: (CJ 865) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Doctor of Philosophy Degree in Criminal Justice.
Adult and juvenile crime prevention and correctional programs. Application of research findings to management issues.

873 Legal Issues in Criminal Justice
Spring of even years. 3(3-0) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Doctor of Philosophy Degree in Criminal Justice.
Law as an instrument of social control. Legal basis of criminal law and criminal justice policies. Legal limitations on criminal justice institutions and policies.

885 Security Management
Fall. 3(3-0) R: (CJ 811 or concurrently) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Social Science-Criminal Justice major.
Organization and management of security operations in business, industry and government.

886 Security Administration
Spring. 3(3-0) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Social Science-Criminal Justice major.

887 Quantitative Methods in Criminal Justice Research
Spring. 3(3-0) R: (CJ 811) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Social Science-Criminal Justice major.
Descriptive and inferential statistics and computer use in criminal justice research.

890 Independent Study
Fall, Spring. Summer. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Criminal Justice major. Approval of school.
Individual research and writing under faculty supervision.

894 Practicum
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to master's and doctoral students in the Social Science-Criminal Justice major. Approval of school.
Observation, study, and work in selected criminal justice agencies. Participation in domestic and foreign criminal justice systems.

896 Policy Analysis under Conditions of Change
Spring. 3(3-0) R: (CJ 811) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Social Science-Criminal Justice major.
Methods of policy analysis in criminal justice settings. Policy analysis for the formulation, adoption and implementation of changes.

899 Master's Thesis Research
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Social Science-Criminal Justice major. Approval of school.
Planned research and writing directed by student's thesis committee.

901 Seminar in Contemporary Criminal Justice Theory
Fall. 3(3-0) R: Open only to graduate students in Criminal Justice or in Social Science-Criminal Justice.
Theoretical perspectives and issues in criminal justice and criminology.
902 Seminar in Criminal Justice Systems  
Fall of even years. 3(3-0) R: Open only to graduate students in Criminal Justice or in Social Science-Criminal Justice. 
Contemporary issues in the criminal justice system.

903 Research Utilization in Criminal Justice  
Spring of odd years. 3(3-0) R: Open only to graduate students in Criminal Justice or in Social Science-Criminal Justice. 
Research application in criminal justice theory and practice.

904 Criminal Justice Organizations and Processes  
Spring. 3(3-0) R: Open only to graduate students in Criminal Justice. 

905 Law and Society  
Fall. 3(3-0) R: Open only to graduate students in Criminal Justice. 
Theoretical perspectives on law. Impact of law on society and the criminal justice system.

906 Advanced Quantitative Methods in Criminal Justice Research  
Fall. 3(3-0) R: Open only to graduate students in Criminal Justice. 
Advanced quantitative analysis techniques for criminal justice data. Use of multiple regression and SPSS.

907 Advanced Topics in Criminal Justice  
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. P.M.: (CJ 906) R: Open only to graduate students in Criminal Justice. 
Advanced quantitative analysis techniques for criminal justice data.

908 Advanced Topics in Criminal Justice  
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to graduate students in Criminal Justice. 
Intensive study of one subfield of criminal justice. Critical evaluation of the literature.

999 Doctoral Dissertation Research  
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 50 credits in all enrollments for this course. R: Open only to doctoral students in Criminal Justice. 
Doctoral dissertation research.

101 Introduction to Crop Science  
Fall. 3(2-2) 

110 Computer Applications in Agronomy  
Fall. 2(1-2) R: Open only to students in the College of Agriculture and Natural Resources. Not open to students with credit in CSS 101. 
Use of computers in agriculture. Basic computer operating systems. Management and use of storage media. Laboratory experience in word processing, spread sheets, data bases, programming languages, networking, and software related to agriculture.

151 Seed and Grain Quality  
Spring. 2(2-2) SA: CSS 051 Principles and practices of producing, conditioning, testing and marketing field crop seed. Grain grading and quality evaluation. Offered first ten weeks of semester.

156 Weed Management  
Fall of odd years. 3(2-2) R: Open only to freshmen or sophomores. Not open to students in Crop and Soil Sciences. 
Cultural, mechanical, biological, and chemical weed management practices in agronomic crops.

164 Golf Course Design and Construction Techniques  
Fall. 2(2-0) RB: (CSS 210 and CSS 232) Concepts and theory of golf course design and construction including location, space, topography, clientele, and environmental concerns.

171 Operations Budgeting for Golf Course Managers  
Spring. 2(3-0) R: Open only to students with credit in CSS 071. 
Budgeting. Financial analysis. Purchasing and material management for golf course operations. Offered first ten weeks of semester.

178 Golf Turf Irrigation  
Spring. 2(2-2) Not open to students with credit in CSS 078. 
Golf course irrigation systems: installation and maintenance including water management. Offered first ten weeks of semester.

181 Pesticide and Fertilizer Application Technology  
Spring. 3(3-3) SA: CSS 081 Effective and efficient application of pesticides and fertilizers to turf and ornamentals. Pesticide handling, legal, and environmental concerns. Calibration of equipment. Offered first ten weeks of semester.

192 Professional Development Seminar I  
Spring. 1(0-2) R: Open only to students in the Department of Crop and Soil Sciences. 
Career development, critical issues analysis, resume writing, scientific presentations and public speaking in crop and soil sciences.

201 Forage Crops  
Fall. 3(2-2) 

210 Fundamentals of Soil and Landscape Science  
Fall. Spring. 3(2-3) Interdepartmental with Forestry. RB: (CEM 141) 

211 Turfgrass and the Environment  
Spring. 2(3-0) P.M.: (CSS 232) RB: (CSS 210) 
Pesticide and nutrient fate, site assessment, fuel use, equipment washing systems and criteria for recognizing sensitive sites. Conservation and best management practices to maximize protection of natural resources. Offered first ten weeks of semester.

212 Advanced Crop Production  
Fall. 2(2-0) P.M.: (CSS 100 or CSS 101) RB: (CSS 210 and CSS 110) 
Systems approach to production of field crops including corn, soybeans, small grains, sugar beets, and dry beans.

222 New Horizons in Biotechnology  
Fall. 2(2-0) 

232 Introduction to Turfgrass Management  
Fall. 2(2-2) P.M.: (CSS 210 or concurrently) RB: (CSS 110 or CSE 101) 
Turfgrass utilization, identification, establishment and management principles. Responses to various cultural practices.

242 Athletic Field Maintenance and Construction  
Fall. 2(2-0) P.M.: (CSS 232 or concurrently and CSS 210 or concurrently) 
Maintenance, renovation, and construction of athletic fields with emphasis on baseball and football. Soil testing, cultivar selection, and surveying. Safety and liability concerns. Field trips required.

262 Turfgrass Management Seminar  
Fall. 1(2-0) A student may earn a maximum of 2 credits in all enrollments for this course. P.M.: (CSS 232 or concurrently) 
Presentations by individuals involved in turfgrass and golf course management. Topics include golf course construction and operations, preparation for tournaments, and public relations.

267 Turfgrass Practices  
Spring. 2(2-2) P.M.: (CSS 232) SA: CSS 067 
Turfgrass establishment, renovation, and construction principles. Maintenance of golf course turf. Agronomic and management principles applied to golf course maintenance.

269 Turfgrass Strategies  
Spring. 2(3-0) P.M.: (CSS 232) 
Issues in turfgrass management including employee relations, construction, and environmental problems. Offered first ten weeks of semester.

272 Turfgrass Soil Management  
Fall. 3(2-2) RB: (CSS 043 or CSS 210) 
Not open to students with credit in CSS 044 or CSS 342. 
Impact of fertilization programs on turfgrasses and the environment. Irrigation, drainage, cultivation, top dressing, amendments and pH control of turfgrass soils.