

960. Theoretical Foundations of Counseling Psychology
Fall. 3(3-0)

R: Open only to Ph.D. students in Counseling Psychology and School Psychology.

Theoretical models of counseling, personality, and behavior change. Research literature on the process and outcomes of counseling. Selected professional issues.

961. Perspectives on Diversity in Counseling Psychology
Spring. 4(3-4)

R: Open only to doctoral students in Counseling Psychology and School Psychology, Psychology, and Family and Child Ecology.

Cultural, gender, and disability dynamics as they affect human functioning and counseling practices. Strategies and techniques for multicultural perspectives in counseling.

962. Psychology of Career Development
Fall. 3(3-0)

P: CEP 864. R: Open only to Ph.D. students.

Theories of career choice and development. Psychological processes underlying vocational behavior.

963. Ethics in Counseling Psychology
Spring. 3(3-0)

R: Open only to doctoral students in Counseling Psychology and School Psychology, Rehabilitation Counseling and School Counseling, and Family and Child Ecology.

Traditional and contemporary issues in theory, research, practice and training with a focus on ethics including ethical theory, principles, standards, codes of conduct, and legal issues.

964. Counseling Foundations
Fall of odd-numbered years. 3(3-0)

P: CEP 960 or concurrently. R: Open only to doctoral students in College of Education.

Foundations and practice of rehabilitation and school counseling. Pre-service preparation issues. Professional and policy implications.

965. Current Research and Issues in Counseling
Fall of even-numbered years. 3(3-0)

P: CEP 964. R: Open only to doctoral students in the Rehabilitation Counseling and School Counseling major.

Practice and research issues in rehabilitation counseling and school counseling.

966. Psychological Diagnosis and Assessment I
Fall. 3(3-0)

P: CEP 960. C: CEP 994A concurrently. R: Open only to doctoral students in Counseling Psychology.

Principles of psychological testing and measurement. Principles of clinical interviewing. Cognitive and intellectual assessment. Career development and choice assessment.

967. Psychological Diagnosis and Assessment II
Spring. 3(3-0)

P: CEP 966. C: CEP 994B concurrently. R: Open only to Ph.D. students in Counseling Psychology.

Diagnostic categories, mental status examination, differential diagnosis, and objective and projective psychological assessment.

968. Research Methods in Counseling Psychology
Fall. 3(3-0)

P: CEP 933. R: Open only to Ph.D. students in Counseling Psychology.

Research topics and designs in counseling psychology, with emphasis on the development of a viable research proposal.

969. Supervision of Counseling Psychologists
Spring. 3(2-3)

P: CEP 967, CEP 994B. R: Open only to Ph.D. students in Counseling Psychology and School Psychology.

Theoretical, empirical and practical aspects of the supervisory relationship. Process and outcome variables.

982. Seminar in Counseling, Educational Psychology and Special Education (MTC)
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 doctoral students in College of Education.

Seminars in the various fields of emphasis in counseling, educational psychology, and special education.

990. Independent Study
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course.

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 Educational Psychology
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course.

R: Open only to Ph.D. students.

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.

P: CEP 933. R: Open only to Ph.D. students.

994A. Counseling Psychology Practicum I
Fall. 3 credits.

P: CEP 960. C: CEP 966 concurrently. R: Open only to Ph.D. students in Counseling Psychology.

Supervised practice in counseling, assessment, diagnosis and related professional activities within an agency providing counseling and psychological services.

994B. Counseling Psychology Practicum II
Spring. 3 credits.

P: CEP 994A. C: CEP 967 concurrently. R: Open only to Ph.D. students in Counseling Psychology.

Intermediate supervised practice in counseling, assessment, diagnosis and related professional activities within an agency providing counseling and psychological services.

994C. Advanced Practicum in Counseling Psychology
Spring. 3 credits.

P: CEP 994B. R: Open only to Ph.D. students in Counseling Psychology.

Client conceptualization, assessment, intervention design, ethical and professional development issues, supervision, and consultation.

995. Practicum in Research Design and Data Analysis
Fall, Spring, Summer. 1 to 4 credits.

P: CEP 933. R: Open only to Ph.D. students in College of Education.

Supervised research practicum. Design, execution, analysis, presentation, critique, and revision of research projects.

999. Doctoral Dissertation Research

Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 36 credits in all enrollments for this course.

R: Open only to Ph.D. students.

CRIMINAL JUSTICE

CJ

**School of Criminal Justice
College of Social Science**

110. Introduction to Criminal Justice
Fall, Spring, Summer. 4(4-0)

Description and analysis of agencies and processes involved in administration of justice in the United States.

210. Introduction to Forensic Science
Spring. 4(4-0)

Techniques of crime scene search. Collection and preservation of physical evidence. Class and individual scientific tests. Rules of evidence governing admissibility of physical evidence. Expert testimony.

220. Criminology

Fall, Spring. 4(4-0) Interdepartmental with Sociology.

P: CJ 110 or SOC 100. R: Open only to students in the Criminal Justice or Forensic Science or Sociology major or approval of school.

Introduction to the socio-legal foundation of crime. Crime typology and measurement procedures. Theory and public policy. Societal responses to crime and criminals.

292. Methods of Criminal Justice Research
Fall, Spring, Summer. 4(4-0)

P: 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)

P: CJ 292. R: Open only to juniors or seniors in the Criminal Justice or Forensic Science major.

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

355. Juvenile Justice Process

Fall, Spring, Summer. 4(4-0)

P: CJ 292. R: Open only to juniors or seniors in the Criminal Justice or Forensic Science major.

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

365. Corrections Process

Fall, Spring, Summer. 4(4-0)

P: CJ 292. R: Open only to juniors or seniors in the Criminal Justice or Forensic Science 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)

P: CJ 292. R: Open only to juniors or seniors in Criminal Justice or Forensic Science.

Administration of criminal law. Investigation, prosecution, adjudication, and sentencing. Constitutional safeguards and legal controls on official action.

**Descriptions —Criminal Justice
of
Courses**

385. Introduction to Private Security
Fall. 3(3-0)

R: Not open to freshmen and 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-numbered years. 3(3-0)

P: CJ 110. R: Open only to juniors or seniors in Criminal Justice or Forensic Science.

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-numbered years. 3(3-0)

P: CJ 110. R: Open only to juniors or seniors in Criminal Justice or Forensic Science.

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

425. Women and Criminal Justice

Spring of even-numbered years. 3(3-0) Interdepartmental with Women's Studies.

P: CJ 220 or WS 201. R: Open only to juniors in Criminal Justice and Women's Studies.

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
Fall, Spring. 3(3-0)

P: CJ 335. R: Open only to juniors or seniors in Criminal Justice or Forensic Science.

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

433. Law Enforcement Intelligence Operations
Spring. 3(3-0)

P: CJ 335. R: Open only to juniors or seniors in Criminal Justice or Forensic Science.

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

434. Police Administration (W)
Fall. 3(3-0)

P: CJ 335. R: Open only to seniors in Criminal Justice. Completion of Tier I writing requirement.

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

435. Investigation Procedures

Spring of even-numbered years. 3(3-0)

P: CJ 375. R: Open only to seniors in Criminal Justice or Forensic Science.

Laws of evidence controlling investigative procedures. Crime scene concerns. Multi-agency investigation.

455. Delinquency and Treatment Approaches
Spring. 3(3-0)

P: CJ 355. R: Open only to juniors or seniors in Criminal Justice or Forensic Science.

Investigation and evaluation of delinquency. Prevention programs and treatment approaches. Implementation and assessments of correctional and community intervention strategies in agency settings.

456. Criminal Careers and Career Criminals (W)
Spring. 3(3-0)

P: CJ 355 or CJ 365. R: Open only to seniors in Criminal Justice. Completion of Tier I writing requirement.

Types of juvenile and adult criminal careers. Extent, etiology, control, and treatment of selected offender types. Process of criminal career development.

465. Correctional Programming and Analysis
Spring. 3(3-0)

P: CJ 355 or CJ 365. R: Open only to juniors or seniors in Criminal Justice or Forensic Science.

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

466. Corrections Organizations and Systems (W)
Fall. 3(3-0)

P: CJ 355 or CJ 365. R: Open only to seniors in Criminal Justice. Completion of Tier I writing requirement.

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

471. Law of Corrections

Fall of odd-numbered years. 3(3-0)

P: CJ 375. R: Open only to juniors or seniors in Criminal Justice or Forensic Science.

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)

P: CJ 375. R: Open only to juniors and seniors in Criminal Justice.

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: CJ 385. R: Open only to seniors in Criminal Justice. Completion of Tier I writing requirement.

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.

P: CJ 335, CJ 355, CJ 365, CJ 375. R: Open only to juniors or seniors in Criminal Justice or Forensic Science. Approval of school.

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.

P: CJ 292. R: Open only to juniors or seniors in Criminal Justice or Forensic Science. 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.

P: CJ 335, CJ 355, CJ 365, CJ 375. R: Open only to juniors or seniors in Criminal Justice or Forensic Science. Approval of school.

Observation, participation and study in selected criminal justice agencies.

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 graduate students in the Criminal Justice or 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 graduate students in the Criminal Justice or 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 graduate students in the School of Criminal Justice.

Scientific methods in criminal justice research. Design, data collection and analysis, interpretation of findings, and ethical concerns. Computer use in data analysis.

812. Criminal Justice Management Seminar

Fall. 3(3-0)

R: Open only to graduate students in the Criminal Justice or 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

Spring. 3(3-0)

R: Open only to graduate students in the Criminal Justice or 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, and resource acquisition and allocation.

815. Proseminar in Criminal Investigation

Spring. 3(3-0)

P: CJ 811. R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major.

Research on the criminal justice process. Investigation and role of evidence in the administration of justice. Ethical issues.

816. Issues in Forensic Science

Fall. 3(3-0)

R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major.

Role of forensic science in criminal justice. Major issues, legal aspects, areas of forensic science. Research problems and issues.

819. Forensic Science I

Fall. 3(2-3)

P: CJ 816. 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 Science II
Spring, 3(2-3)
P: CJ 816, 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.

835. Managing Police Organizations
Fall, 3(3-0)
P: CJ 835. R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major.
Issues and practices in police management. Management philosophy and personnel management.

836. Assessment of Police Policies and Operations
Spring, 3(3-0)
P: CJ 835. R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major.
Recent policy-related research and its application to the deployment of human resources.

855. Delinquency Prevention and Control
Fall, 3(3-0)
R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major.
Historical overview. Theories and methodologies. Models and organization of delinquency prevention and control programs. Law and public policy. Program evaluation.

865. Adult Corrections
Fall, 3(3-0)
R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major.
Traditional and contemporary adult correctional practices. Social, political, economic, and organizational factors affecting correctional policies.

866. Adult and Juvenile Corrections Programs
Spring, 3(3-0)
P: CJ 855 or CJ 865. R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major.
Adult and juvenile crime prevention and correctional programs. Application of research findings to management issues.

873. Legal Issues in Criminal Justice
Fall of even-numbered years, 3(3-0)
R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major.
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)
P: CJ 811 or concurrently. R: Open only to graduate students in the Criminal Justice or 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 graduate students in the Criminal Justice or Social Science-Criminal Justice major.
Administrative and quantitative techniques for security operations. Statistical analyses. Analysis of financial statements. Operations research and computer techniques.

887. Quantitative Methods in Criminal Justice Research
Spring, 3(3-0)
P: CJ 811. R: Open only to graduate students in the School of Criminal Justice.
Descriptive and inferential statistics and computer use in criminal justice research.

890. Independent Study
Fall, Spring, 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major.
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 graduate students in the School of Criminal Justice. 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)
P: CJ 811. R: Open only to graduate students in the School of Criminal Justice.
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 6 credits in all enrollments for this course.
R: Open only to graduate students in Criminal Justice.
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
Spring of even-numbered 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-numbered 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.

CROP AND SOIL SCIENCES CSS
Department of Crop and Soil Sciences
College of Agriculture and Natural Resources

101. Introduction to Crop Science
Fall, 3(2-2)
Principles of crop management, improvement, and fertilization. International and sustainable agriculture. Water quality issues.

110. Computer Applications in Agronomy
Fall, 2(1-2)
R: Open only to College of Agriculture and Natural Resources students. Not open to students with credit in CPS 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.

201. Forage Crops
Fall, 3(2-2)
Forage crop production, management, and utilization. Crop identification. Soil fertilization. Planting and harvesting of grasses and legumes.

210. Fundamentals of Soil and Landscape Science
Fall, 3(2-3) Interdepartmental with Forestry.
P: CEM 141.
Agricultural and natural resource ecosystems: soil, vegetation and ground water components. Energy, water and nutrient cycles. Soil classification and mapping. Land management and use issues.

222. New Horizons in Biotechnology
Fall, 2(2-0) Interdepartmental with Entomology.
Perspectives on biotechnology for safer food production, environmental quality, and improved human health. Impacts of biotechnology on the national economy. Political and ethical ramifications of applied biotechnology.

232. Introduction to Turfgrass Management
Fall, 3(2-2)
P: CSS 110; CSS 210 or concurrently.
Turfgrass utilization, identification, establishment and management principles. Responses to various cultural practices.

242. Athletic Field Maintenance
Fall, 2 credits.
P: CSS 210, CSS 232 or approval of department.
Art and science of athletic field maintenance including root-zone modification, traffic wear management, field preparation techniques, wet weather strategies, safety concerns, legal issues, and crisis management. Field trips required.

262. Turfgrass Management Seminar
Fall, 1(2-0)
P: 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.

310. Soil Management and Environmental Impact
Spring, 3(2-3)
P: CSS 210.
Management of soil physical and chemical properties for the production of food and fiber. Soil management systems that reduce the environmental impact on soil, water and air resources and maximize crop production potential.

332. Advanced Turf Management
Spring, 3(3-0)
P: CSS 232. R: Completion of Tier I writing requirement.
Effect of light, heat, cold, drought, and traffic on turfgrass growth and development. Impact of practices such as mowing, cultivation, and compaction on the growth of grasses.