

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:NM: (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) P:NM: (CEP 960) R: Open only to Ph.D. students in the Counseling Psychology major.

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

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

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 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. P:NM: (CEP 933) R: Open only to doctoral students in the 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 54 credits in all enrollments for this course. R: Open only to doctoral students in the Department of Counseling, Educational Psychology and Special Education.

Doctoral dissertation research.

CRIMINAL JUSTICE CJ

School of Criminal Justice College of Social Science

110 Introduction to Criminal Justice
Fall, Spring. 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:NM: (CJ 110 or SOC 100) R: Open only to students in the Criminal Justice 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. 4(4-0) P:NM: (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.

294 Criminal Justice Professionals
Fall. 2(1-2) P:M: (CJ 110 and CJ 220) P:NM: and one additional CJ course. R: Open only to sophomores or juniors or seniors in the School of Criminal Justice.

Operation of criminal justice organizations and agencies. Development and structure of criminal justice professions. Career planning and development. Employment practices. Ethics.

335 Police Process
Fall, Spring. 4(4-0) P:NM: (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) P:NM: (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) P:NM: (CJ 292) RB: (CJ 110) 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) P:NM: (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. P:NM: (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) P:NM: (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) P:NM: (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, and operational issues affecting current practice.

434 Police Administration (W)
Fall. 3(3-0) P:M: Completion of Tier I writing requirement. P:NM: (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) P:NM: (CJ 375) R: Open only to seniors in the Criminal Justice major.

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

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

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

Criminal Justice—CJ

- 456 Criminal Careers and Career Criminals (W)**
Spring. 3(3-0) P:M: Completion of Tier I writing requirement. P:NM: (CJ 355 or CJ 365) R: Open only to seniors in the Criminal Justice major.
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:NM: (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 Corrections Organizations and Systems (W)**
Fall. 3(3-0) P:M: Completion of Tier I writing requirement. P:NM: (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) P:NM: (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) P:NM: (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. P:NM: (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. P:NM: (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.
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:NM: (CJ 292) R: Open only to juniors or seniors in the 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. P:NM: (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**
Fall. 3(3-0) R: Open only to graduate students in Criminal Justice.
Theories of crime causation. Translation of theory to policy.
- 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.
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 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**
Spring 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, and resource acquisition and allocation.
- 815 Proseminar in Criminal Investigation**
Spring. 3(3-0) P:NM: (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.
Research on the criminal justice process. Investigation and role of evidence in the administration of justice. Ethical issues.
- 816 Policy and Management Issues in Forensic Science**
Fall. 2(2-0) R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major.
Role of forensic science in criminal justice. Major issue areas of forensic science. Research problems and issues.
- 817 Legal and Investigative Issues in Forensic Science**
Spring. 2(2-0) P:M: (CJ 816)
Continuation of CJ 816. Forensic Science and the criminal investigation process, evidence and proof, admissibility of scientific evidence, expert testimony, mock trial.
- 819 Forensic Science I**
Fall. 3(1-5) P:NM: (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(1-5) P:NM: (CJ 816 and 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:NM: (CJ 810) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the 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:NM: (CJ 835) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the 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 master's students in the School of Criminal Justice or to doctoral students in the 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 master's students in the School of Criminal Justice or to doctoral students in the 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:NM: (CJ 855 or CJ 865) R: Open only to master's students in the School of Criminal Justice or to doctoral students in the Social Science-Criminal Justice major.
Adult and juvenile crime prevention and correctional programs. Application of research findings to management issues.

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 students in the College of Agriculture and Natural Resources. Not open to students with credit in CSE 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.

181 Pesticide and Fertilizer Application Technology
Fall. 3(2-2) SA: CSS 081

Effective and efficient application of pesticides and fertilizers to turf; pesticide handling, legal, and environment concerns. Calibration of equipment.

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, Spring. 3(2-3) Interdepartmental with Forestry. P:NM: (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:M: (CSS 210 or concurrently) P:NM: (CSS 110 or CSE 101)

Turfgrass utilization, identification, establishment and management principles. Responses to various cultural practices.

242 Athletic Field Maintenance
Fall. 2(2-0) P:M: (CSS 232)

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.

873 Legal Issues in Criminal Justice
Fall 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 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:NM: (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.

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:NM: (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. 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 students in the School of Criminal Justice or to doctoral students in the Social Science-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 students in the School of Criminal Justice or to 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) P:NM: (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 6 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.

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 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
Fall. 3(3-0) R: Open only to graduate students in Criminal Justice.

Theoretical perspectives on organizations and processes in criminal justice. Evaluation of organizational performance in justice agencies.

905 Law and Society
Spring. 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) P:NM: (CJ 887 and STT 421) or introductory statistics course. R: Open only to graduate students in Criminal Justice.

Applications of quantitative techniques to criminal justice data. Use of multiple regression and SPSS.

907 Advanced Topics in Criminal Justice Data Analysis

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.