

**Descriptions – Counseling, Educational Psychology and Special Education  
of  
Courses**

**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 3 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 C J**

**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**  
Spring. 3(3-0) Not open to majors in Criminalistics.  
Nontechnical survey of forensic science and its relationship to the criminal justice system. Evidence and crime scene investigations. Criminalistics, including evidence, serology, pathology, toxicology, questioned documents and expert testimony.

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

**313. Criminalistics II**  
Winter. 3(0-6) C J 312, approval of school.  
Criminalistics laboratory techniques. Firearms. Hair and fiber identification. Comparative microscopy.

**314. Criminalistics III**  
Spring. 3(0-6) C J 313, approval of school.  
Criminalistics techniques. Serology. Comparative micrography. Document examination. Forensic chemistry.

**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 and jointly administered with 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. Organizational 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 research on 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 roles 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**  
Fall, Winter, Spring, Summer. 4(4-0) C J 320.  
An historical view of the development of methods of offender treatment. Operation of a correctional system. The effect of institutionalization upon individuals. Alternatives to incarceration.

**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 335, 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.

**425. Women in Criminal Justice**  
Winter. 3(3-0) C J 320 or SOC 320 or approval of school.  
Women as offenders and victims. Women professionals in criminal justice. Literature in criminology and victimology.

**432C. Fundamentals of Traffic Law**  
(429K.) Spring. 3(3-0) Interdepartmental with and administered by the Department of Administration and Curriculum.  
Nature, function and application of traffic law as it applies to the safe and efficient movement of people and goods in a broadly conceived traffic accident prevention program.

**433. Alcohol: A Social Dilemma**  
Winter. 3(3-0) Juniors or approval of school. Interdepartmental with the Department of Administration and Curriculum.  
Substance abuse with emphasis on beverage alcohol. Sociological, psychological and medical aspects. Prevention, treatment, rehabilitation.

**434. Police Administration and Management**  
Fall, Winter. 4(4-0) C J 335, C J 375.  
Principles of organization and management of a police agency. Line and non-line functions, personnel administration, planning, budgeting, goals and control.

**435. Analysis of Police Operations**  
Spring. 3(3-0) C J 434 or approval of school.  
Analysis of police operations including patrol, criminal investigation, staff services, and traffic enforcement. Measurements of police productivity as related to goals. Principles of management evaluation of police agency organization and administration.

**440. Introduction to Highway Traffic Administration**  
Fall. 4(4-0)  
Systems approach to highway traffic administration emphasizing the interrelationships among agencies having management responsibilities and their accident prevention and loss reduction countermeasures to combat system failures. Future needs and alternatives.

**441. Police and Court Traffic Administration**  
Spring. 4(4-0)  
Police and court traffic functions relative to other police and court functions in the criminal justice system. Systems approach to managing traffic accident prevention programs. Weaknesses, future needs and alternatives.

**455. Analysis of Delinquency Programs**  
Fall, Winter. 4(4-0) C J 355 or approval of school.  
Social organization and administration of delinquency prevention programs, juvenile courts and treatment agencies.

**456. Juvenile Justice Case Analysis**  
*Spring. 3(3-0) C J 355, C J 455.*

The use of actual juvenile delinquent cases to evaluate past and current practices and future needs. The selections of therapeutic techniques and strategies and their application to specific types of clients.

**465. Analysis of Correctional Operations**

*Fall, Winter. 4(4-0) C J 335, C J 355, C J 365, C J 375 or approval of school.*

A critical analysis of existing institutions and community corrections programs; administrative methods of program implementation and evaluation. Prevalent correctional operational policies. Problems of effecting change.

**466. Correctional Administration and Management**

*Spring. 3(3-0) C J 365, C J 375, C J 465.*

The application of principles of administration and management to corrections including a systemic examination of the impact of change on the total correctional system and change resistance from both external and internal environments.

**472. Criminal Law**

*Fall, Winter. 4(4-0) C J 335, C J 355, C J 365, C J 375 or approval of school.*

Analyses and classifications of substantive common law and statutory criminal offenses; defenses and other limitations on criminal capacity.

**473. Evidence and Proof of Crime**

*Spring. 3(3-0) C J 375.*

Concepts of proof and logic; basic principles and definitions of evidence law; review of criminal investigation; chain of evidence; trial process; presentation and admissibility; constitutional issues.

**485. Security Systems**

*Fall. 3(3-0) Majors or approval of school.*

Capabilities and limitations of security systems, both public and private, with particular reference to crime and crime-related problems. Interrelationships between security and other criminal justice agencies.

**486. Loss Prevention**

*Spring. 4(4-0) Majors or approval of school.*

Operation and management of loss prevention (asset protection). Programs in business, industry, government and institutions. Particular attention to theft control (employee dishonesty, shoplifting, etc.) and fire protection.

**490. Criminal Justice Practicum**

*Fall, Winter, Spring, Summer. Variable credit. May reenroll for a maximum of 12 credits. C J 320, majors only.*

Planned program of research internship, observation, study, and work in selected criminal justice agencies. Supplements classroom study with participation in criminal justice systems of United States and foreign nations.

**492. Methods of Criminal Justice Research**

*Fall, Winter, Spring, Summer. 4(4-0) C J 335, C J 355, C J 365, C J 375 or approval of school.*

Elements of scientific perspective; analysis of published reports to illustrate theory interacting with practice. Conceptual frameworks, negotiating access to and collection of data, design choice, analytic techniques, and final reporting.

**493. Planned Change and Innovation in Criminal Justice**

*Winter. 3(3-0) C J 492 or approval of school.*

The processes by which change occurs. Mechanisms which facilitate change. Utilization of research in planned change. Research as related to administrative decision making.

**801. Independent Study**

*Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 6 credits. Majors or approval of school.*

Individual research and writing in student's field of interest. Requires approval and direction by professor associated with major field of interest.

**809. Special Issues in Criminal Justice**

*Fall, Winter, Spring, Summer. 3 to 5 credits. May reenroll for a maximum of 15 credits when different topics are taken. Majors or approval of school.*

Forum for study of issues not given continuous consideration in the graduate program.

**810. Proseminar in Criminal Justice**

*Fall. 3(3-0)*

Recent literature in criminal justice administration and criminology; current developments and trends. Impact of research on operations in criminal justice.

**811. Design and Analysis in Criminal Justice Research**

*Fall. 4(4-0) C J 492.*

Application of research methods to criminal justice problems, theory and hypothesis construction, design of survey instruments, logic of data analysis, tabular and descriptive techniques, computer usage in data analysis.

**812. Criminal Justice Management Issues**

*Winter. 3(3-0) Majors or approval of school.*

Management requirements of the criminal justice process in transition. Problems and innovative concepts of criminal justice system development, decision theory, information needs, planning, personnel and budgeting.

**813. Criminal Justice Personnel Systems Development**

*Winter. 3(3-0)*

Personnel administration approaches to improvement of criminal justice systems such as personnel administration by objectives, and systems analysis approach to human resource development models consonant with criminal justice systems evolution.

**814. Fiscal Administration in Criminal Justice**

*Spring. 3(3-0)*

Transition from traditional budgeting to program planning and evaluation budgeting. Implications of treating budgeting as a tool in criminal justice administrative decision making. Practical experience in budget preparation and justification.

**815. Seminar in Criminal Investigation**

*Fall. 3(3-0) Majors or approval of school.*

Seminar in investigative techniques; criminalistics; case studies; including discussion on quantum of proof in criminal investigations and probative value of physical evidence.

**816. Seminar in Forensic Science**

*Winter. 3(3-0) Majors or approval of school.*

An investigation of the role of forensic science in the administration of justice; case studies; laboratory techniques; interpretation of proof.

**817. Independent Study in Forensic Science**

*Fall, Winter, Spring. 3(0-6) Majors or approval of school.*

Directed laboratory work in forensic science.

**818. Social Control, Criminal Justice and Community Relations**

*Winter. 3(3-0) C J 318.*

Authority and social control, advanced community relations and criminal justice, and sociopolitical aspects of criminal justice processes. Field study component required.

**820. Crime, Criminal Behavior and Criminology**

*Spring. 3(3-0) C J 320.*

Classical and contemporary explanations for crime and criminal behavior related to criminal justice. Implications of differing theoretical concerns for the criminal justice system. Advanced criminology.

**822. Historical and Comparative Criminal Justice**

*Spring. 3(3-0) Majors or approval of school.*

Criminal justice systems are examined on a global basis exclusive of the United States. Emphasis is placed on major different legal philosophies.

**825. Criminal Justice Educational Programming**

*Spring. 3(3-0) Majors or approval of school.*

Designed for students preparing for careers as criminal justice educators. Discussion of issues, administrative problems, and curricula for criminal justice programs.

**826. Teaching Internship**

*Fall, Winter. 4(4-0) Majors or approval of school.*

Assumption of complete responsibility for teaching a course in a criminal justice program. Guidance in planning lesson content and evaluating instruction provided. Attendance at a series of associated seminars required.

**837. Managing Police Organizations**

*Winter. 3(3-0) C J 812.*

Administrative issues in directing, controlling and coordinating law enforcement agencies at supervisory levels. Applications of socio-behavioral concepts. Fundamental issues in police management.

**838. Assessment of Police Policies and Operations**

*Spring. 3(3-0) C J 837.*

Critical analysis of recent police policy-related research. Operations research and policy analysis as applied to manpower deployment and policing strategies. Efficiency and effectiveness of operational information systems.

**840. Highway Traffic Administration**

*Winter. 3(3-0)*

The Federal-state-local partnership in highway traffic administration. Laws, standards and policies regulating the accident prevention and loss reduction countermeasures of governmental agencies and private industry. Problems and needs.

## Descriptions - Criminal Justice

of

### Courses

#### 855. *Delinquency Prevention and Control*

Fall. 3(3-0)

Evaluation of primary and secondary delinquency prevention, control and treatment programs. Critical analysis of current major hypotheses, recent developments, and contributions by operational and academic sources.

#### 865. *Adult Corrections*

Fall. 3(3-0)

Traditional and contemporary correctional practices. Social, political, economic and organizational factors that determine correctional policies. Current trends in adult corrections.

#### 866. *Adult and Juvenile Correctional Program Management*

Winter. 3(3-0) C J 855 or C J 865.

Planning, organizing and operating adult and juvenile correctional programs on institutional and community levels.

#### 867. *Analysis and Evaluation of Prevention and Correctional Programs*

Spring. 3(3-0)

Analysis and evaluation of research relating to adult and juvenile prevention and correctional programming. Application of research design to program evaluation.

#### 871. *Law of Corrections*

Winter. 4(4-0) Majors or approval of school.

Constitutional limitations and impact of law on correctional practice. Due process, judicial sentencing, probation, prisoners' rights, parole grant, revocation of probation and parole.

#### 872. *Criminal Procedure*

Spring. 4(4-0) A law course.

Criminal procedure as applied to police and courts. Due process, Bill of Rights, right to counsel, search and seizure, confessions, bail, prosecution, guilty pleas, trial.

#### 874. *Law of Administrative Procedure*

Spring. 4(4-0) Majors or approval of school.

Powers and procedures of administrative agencies. Procedural issues and legal basis. Problems connected with administrative processes not subject to effective judicial or legislative supervision. Discretion, judicial review of administrative action and jurisdiction.

#### 880. *Planning in Criminal Justice*

Fall. 3(3-0) C J 492.

Models for planning. Empirical basis for organizational planning. Role of planning in operational administration. Assessment of current system capabilities.

#### 881. *Project and Program Implementation*

Winter. 3(3-0) C J 880 or approval of school.

Managerial strategies and factors involved in the effective implementation of projects and programs. Development and use of information and monitoring systems.

#### 882. *Evaluation Research in Criminal Justice*

Spring. 3(3-0) C J 880, C J 881.

The conduct and utilization of evaluative research in projects, programs and agencies. Strategies for conducting, interpreting and utilizing operational research.

#### 885. *Security Management*

Fall. 3(3-0) C J 485 or concurrently, or approval of instructor.

The organization and management of security units, in industry, businesses, government, institutions. The protection of manpower, facilities, and other assets. Administrative, legal and technical issues.

#### 890. *Practicum*

Fall, Winter, Spring, Summer. 1(0-4) to 6(0-24) Majors or approval of school.

Planned program of research observation, study and work in selected criminal justice agencies. Designed to supplement classroom study with participation in domestic and foreign criminal justice systems.

#### 892. *Quantitative Methods in Criminal Justice Research.*

Winter. 4(4-0) C J 492, C J 811.

Views the relationship and application of statistical techniques to theory building and concept construction. Gives an overview of statistical methods with an emphasis on those most useful for research in criminal justice.

#### 897. *Policy Change Paper*

Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 4 credits. Majors or approval of school.

Development of plan for significant policy change and its implementation in a criminal justice agency.

#### 899. *Master's Thesis Research*

Fall, Winter, Spring, Summer. 1 to 12 credits. May reenroll for a maximum of 12 credits. Majors or approval of school.

Planned research and writing directed by student's thesis committee.

#### 930. *Seminar on Criminal Justice Systems*

Winter. 3(3-0) Graduate students.

Topical issues on the development, functioning, and interrelationships of components of criminal justice systems and how systemic coherence can be achieved within a democratic society.

#### 990. *Seminar in Criminal Justice and Criminology*

Fall. 3 to 5 credits. Graduate students.

Analysis of major research contributions to criminal justice and criminology.

#### 992. *Research Utilization and Application in Criminal Justice*

Spring. 3(3-0) Majors or approval of school.

Substantive and administrative problems of conducting research and existing attempts to solve these. Utilization of research in bringing about change in the criminal justice system. Methods of maximizing research utility.

## CROP AND SOIL SCIENCES

CSS

### College of Agriculture and Natural Resources

#### 101. *Crop Science*

Fall. 3(3-0)

Principles of identification, adaptation, management, and utilization of field crops for food and fiber. Fundamentals of crop management, breeding, weed control, crop quality, and tropical crops in world agriculture.

#### 202. *Soil and Our Environment*

Spring. 4(3-2) Not open to students with credit in CSS 210. Non-majors only.

Role of soil in growing plants, water use and conservation, nutrient cycling, fertilizers, environmental quality, animal health, anthropology and food-population dilemma.

#### 210. *Fundamentals of Soil Science*

Fall, Winter. 5(3-4) CEM 130. Not open to students with credit in CSS 202.

Nature of soils and their relation to plant growth, water regimes, nutrient cycling, erosion, environmental quality, plant composition, animal health and world food production.

#### 250. *Plant and Animal Genetics*

Winter. 5(5-0) B S 211.

Fundamentals of modern genetics with particular focus on problems and application in agriculture and natural resources.

#### 301. *Forage Crops*

Fall. 3(2-2) Sophomores.

Distribution, morphology, identification, physiology, management and utilization of forage crops for hay silage, and pasture for livestock and for soil improvement and conservation.

#### 331. *Soil Management*

Winter. 4(4-0) CSS 210.

Management of soils, drainage, and irrigation, organic matter, tillage, rotation, conservation practices, soil reaction, lime, fertilizers, and micronutrients. Soil management vs. soil conservation. Special study in general crops, horticultural crops, greenhouse crops, turf and organic soils.

#### 380. *Ecology and Physiology of Agricultural Plants*

Spring. 3(3-0) FOR 220 or BOT 301.

Interrelationships of physiological processes and environmental manipulation for higher yield of agricultural plants.

#### 390. *Soil Conservation and Land Use*

Winter. 3(3-0) CSS 210.

Concepts of soil erosion by water and wind and methods for soil conservation including control of erosion and sedimentation. Interpretation of soil properties for land use decisions.

#### 402. *Principles of Weed Control in Field Crops*

Fall. 4(3-2) CEM 132, BOT 301.

Principles underlying weed control practices for agronomic crops. Factors involved in mechanical, chemical and biological control and basic physiological aspects of herbicide applications.

#### 406. *Crop Improvement and Seed Production*

Winter. 4(3-2)

Practical methods of crop improvement, seed production, storing, cleaning, packing, and distribution, seed certification of small grains, legumes, corn, beans, potatoes, visits to seed agencies and seed farms.

#### 408. *Principles of Plant Breeding*

Winter. 4(3-2) CSS 250. Interdepartmental with the Department of Horticulture.

Application of genetics and other sciences to breeding and improvement of agronomic and horticultural crops.