983. Readings and Independent Study in Counseling and Educational Psychology
Fall, Winter, Spring, Summer. 1 to 6 credits. May be reenrolled for a maximum of 15 credits. Approval of department.

Study on an individual or group basis in the various fields of emphasis.

984. Laboratory and Field Experience in Counseling and Educational Psychology
Fall, Winter, Spring, Summer. 1 to 9 credits. May be reenrolled for a maximum of 15 credits.

Supervised graduate practicum, observations, internships, and externships in the various areas of emphasis.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Summer. Variable credits.

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.


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. 4(0-8) C J 313, approval of school.


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
(325) 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 types, 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.


375. Criminal Law Process
Fall, Winter, Spring, Summer. 4(4-0) C J 320.

Administration of criminal justice: investigation, 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 be reenrolled 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 be reenrolled 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 be reenrolled 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.

432G. Fundamentals of Traffic Law
(429K) Spring. 3(3-0) Interdepartmental with and administered by the Department of Administrative 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. 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 in relation 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 selection 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 455 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 investigative procedures; 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 Practice
Fall, Winter, Spring, Summer. Variable credit. May reenroll for a maximum of 12 credits. C J 330, majors only.
Planned program of criminal justice internship, observation, study, and work in selected criminal justice agencies. Supplements classroom study with participation in criminal justice systems of the 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. (3-0)
Recent literature in criminal justice administration and criminal justice, 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 research plans and techniques; analysis and interpretation of proof.

812. Criminal Justice Management Issues
Winter. 3(3-0) Majors or approval of school.
Management requirements of the criminal justice process. Problems and innovative concepts of criminal justice system development, decision theory, information needs, planning, personnel and budgeting.

813. Criminal Justice Personnel Systems Development
Winter. (3-0)
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; quantitative and qualitative application of 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 socio-political 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.
865. 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.

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 ad juvenile prevention and correctional practices. Social, political, economic and organizational factors that determine correctional policies. Current trends in adult corrections.

881. 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.

892. Quantitative Methods in Criminal Justice Research.
Winter, 4(4-0) C J 492, C J 511.
Views the relationship and application of statistical techniques to theory building and concept construction. Gives an overview of statistical methods with 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.

900. Seminar in Criminal Justice and Criminology
Fall, 3 to 5 credits. Graduate students. Analysis of major research contributions to criminal justice and criminology.

CROP AND SOIL SCIENCES

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, erosion, environmental quality, plant composition, animal health and world food production.

210. Fundamentals of Soil Science
Fall, Winter. 5(3-0) CEM 180. 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, 3(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(3-2) Sophomores.
Distribution, morphology, identification, physiology, management and utilization of forage crops for hay, silage, and pasture for livestock and for soil improvement and conservation.

350. Ecology and Physiology of Agricultural Plants
Spring, 3(3-0) FOR 220 or BOT 302.
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 133, 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.

498. Principles of Plant Breeding
Winter, 4(3-2) CSS 239. Interdepartmental with the Department of Horticulture.
Application of genetics and other sciences to breeding and improvement of agronomic and horticultural crops.