911. General Automata Theory I
Fall of odd-numbered years. 3(3-0)
CPS 4.23 or SYS 9.27 or approval of department. Interdepartmental with Electrical Engineering. Characterization of machines and programs as automata; mathematical decomposition of finite automata.

912. General Automata Theory II
Winter of even-numbered years. 3(3-0)

913. General Automata Theory III
Spring of even-numbered years. 3(3-0)

944. Theory of Algorithms
Summer. 3(3-0) CPS 832 or CPS 912. Formulation of computation concept and algorithm verification. Topics included are finite and infinite acceptors, recursive functions, program verification, decision problems, loop schemes, and fixed point theory of programs.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

CRIMINAL JUSTICE - Descriptions of Courses

CJ

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.

311. Criminalistics I
Fall, Spring. 3(3-0) Criminalistics majors or approval of school. Criminalistics laboratory techniques. Photography, crime scene recording, reproduction of evidence, latent fingerprints.

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

313. Criminalistics III
Spring. 3(3-0) 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. Stress 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, 4(4-0) SOC 241 or C J 110 or approval of school. Interdepartmental and jointly administered with the Department of Sociology. Crime analysed 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 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 230. 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, 4(4-0) C J 320. An historical view of the development of methods of offender treatment. Operation of a correctional system. They reexamine the relationship between 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, commitment, 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.

401H. Independent Study
Fall, Winter, Spring, Summer. 1 to 5 credits. May reenroll for a maximum of 6 credits. C J 353, 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. 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.

429K. Fundamentals of Traffic Law
Spring. Summer of odd-numbered years. 3(3-0) Interdepartmental with and administered by the College of Education. 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 College of Education. 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 in the 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 court and treatment agencies.
Descriptions - CRIMINAL JUSTICE

of Courses

465. 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.

466. 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 correction programs; administrative methods of program implementation and evaluation. Prevalent correctional operational policies. Problems of affecting change.

467. 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.

468. 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.

469. 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.

470. Comparative Internal Security
Winter. 3(3-0) Majors or approval of school.
Deviant and protest politics as security problems. Alternative approaches to the control of subversive activities, assessed in terms of liberty and security. Limited comparisons with other systems. Terrorism and security.

471. Criminal Justice Practicum
Fall, Winter. Spring, Summer. Variable credit. May reenroll for a maximum of 12 credits. C J 350; majors only.
Planned program of research internship, observation, study, and work in selected criminal justice agencies. Students may attend a seminar 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 construct 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. Seminar 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, Winter, Spring, Summer. 3(3-0) 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 most 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, Winter, Spring. 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 socio-political aspects of criminal justice processes. Field study component required.

820. Crime, Criminal Behavior and Criminal Justice
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 social-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.
880. **Highway Traffic Administration**

**Winter. 5(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.

881. **Project and Program Implementation**

**Winter. 3(3-0) C J 380 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 381.**

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

883. **Security Management**

**Fall. 3(3-0) C J 383 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.

891. **Quantitative Methods in Criminal Justice Research**

**Winter. 4(4-0) C J 392, C J 391.**

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. 1.0 to 12 credits. May reenroll for a maximum of 12 credits. Majors or approval of school.**

Planning 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(3-0) 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.