

COUNSELING, EDUCATIONAL PSYCHOLOGY AND S

968*. **Research in Counseling Psychology**
Fall. 3(3-0)
P: CEP 933 R: Doctoral Students Only
Education Counseling Psychology
Research topics and designs in counseling psychology with emphasis on the development of a viable research proposal.
QP: CEP 906 QA: CEP 952

969*. **Counseling Psychology Supervision**
Fall. 3(2-3)
P: CEP 994B, CEP 967 R: Doctoral Students
Education Counseling Psychology & School Psychology
Theoretical, empirical and practical aspects of the supervisory relationship. Process and outcome variables in supervision.
QP: CEP 956C

982*. **Seminars in Counseling, Educational Psychology and Special Education (MTC)**
Fall, Spring, Summer. 3(3-0)
R: Open only to Ph.D. Students
Education
Seminars in the various fields of emphasis in Counseling, Educational Psychology and Special Education.

982A*. **Literacy Learning for At-Risk and Special Education Students**
3(3-0)
R: Graduate Education
Current issues in learning and literacy. Factors that mediate the literacy learning of at-risk and special education students.

990*. **Readings and Independent Study in CEP**
Fall, Spring, Summer. 1 to 6 credits.
May reenroll for a maximum of 9 credits.
R: Ph.D. Students
Individual or small group study in the areas of Counseling, Educational Psychology and Special Education.

991A*. **Special Topics in Educational Psychology**
Fall, Spring, Summer. 1 to 6 credits.
May reenroll for a maximum of 9 credits.
R: Open only to Doctoral students
Problems, topics and issues in Educational Psychology.
QA: CEP 911

991B*. **Special Topics in Educational Statistics and Research Design**
Spring. 4(4-0)
P: CEP 932 R: Doctoral Students
Problems, topics and issues in educational statistics and research design.
QP: CEP 906

994A*. **Counseling Psychology Practicum I**
Fall. 3(0-9)
P: CEP 960 C: CEP 966 R: Doctoral Students
Education Counseling Psychology
Supervised practice in counseling, assessment, diagnosis and related professional activities within an agency providing counseling and psychological services.
QP: CEP 948A QA: CEP 956A CEP 956B

994B*. **Counseling Psychology Practicum II**
Spring. 3(0-9)
P: CEP 994A C: CEP 967 R: Doctoral Students
Education Counseling Psychology
Intermediate supervised practice in counseling, assessment, diagnosis and related professional activities within an agency providing counseling and psychological services.
QA: CEP 956C

994C*. **Advanced Practicum in Counseling Psychology**
Spring. 3(0-9)
P: CEP 994B R: Doctoral Students Only
Education Counseling Psychology
Advanced training in the practice of counseling psychology, including client conceptualization, assessment, intervention design, ethical and professional development issues, supervision, and consultation.
QA: CEP 958B

995*. **Practicum in Research Design & Data Analysis**
Spring. 3(3-0)
P: CEP 933 R: Doctoral Students
Education
Supervised research practicum. Design, execution, analysis, presentation, critique, and revision of research projects.
QP: CEP 904 CEP 905

999*. **Doctoral Dissertation**
Fall, Spring, Summer. 0(-)
R: Ph.D. Only

CRIMINAL JUSTICE CJ

110. **Introduction to Criminal Justice**
Fall, Spring, Summer. 3(3-0)

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

210*. **Introduction to Scientific Evidence**
Spring. 4(4-0)
R: Priority to Forensic Science majors
Collection, preservation and scientific analysis of physical evidence. Legal aspects and expert testimony.
QA: CJ210

220*. **Criminology**
3(3-0) Interdepartmental with the Department(s) of Sociology.
P: CJ110 or Soc 100 R: Freshmen
CJ majors or approval of school
Introduction to the socio-legal foundation of crime. Analysis of crime typology and measurement procedures. Theory and public policy. Sources, nature, types of societal responses to crime and criminals.
QP: CJ 110 SOC 241 QA: CJ 320 SOC 320

292*. **Methods of Criminal Justice Research**
Fall, Spring. 4(4-0)
P: CJ220. 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.
QP: CJ 320 SOC320OR QA: CJ 492

335*. **Police Process**
Fall, Spring. 3(3-0)
P: CJ 292 R: Juniors
CJ majors or approval of School
Roles, responsibilities, issues and trends pertinent to contemporary law enforcement organizations.
QP: CJ 492 QA: CJ 335

355*. **Juvenile Justice Process**
Fall, Spring. 3(3-0)
P: CJ 292. R: Open only to majors in the School of Criminal Justice or approval of school.
The juvenile justice system and law. Theories of juvenile delinquency and deviance. Sociological, psychological, and anthropological perspectives.
QP: CJ 492 QA: CJ 355

365*. **Corrections Process**
Fall, Spring. 3(3-0)
P: CJ 292. R: Open only to majors in the School of Criminal Justice or approval of school.
Historical and contemporary views of offender management and treatment. Corrections system operation. Effects of institutionalization. Alternatives to incarceration.
QP: CJ492 QA: CJ365

375*. **Criminal Law Process**
Fall, Spring. 4(4-0)
P: CJ 292. R: Open only to majors in the School of Criminal Justice or approval of school.
Administration of criminal law. Investigation, prosecution, adjudication, and sentencing. Constitutional safeguards and legal controls on official action.
QP: CJ 492 QA: CJ 375

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.
QA: CJ485

400H*. **Honors Study**
Fall, Spring, Summer. 1 to 3 credits.
May reenroll for a maximum of 6 credits.
R: Seniors Honors College or approval of school
Supervised group or individual study dealing with some phase of the criminal justice system.
QA: CJ400H

419*. **Forensic Science I**
Fall. 3(0-6)
P: CJ 210, CJ292, Cem 252, Cem.253, Phy. 232. Phy. 252 R: Seniors. Juniors with permission of instructor.
Forensic science
Forensic science laboratory practice. Scientific instruments. Chain of custody. Scientific analysis of trace evidence and controlled substances.
QP: CJ 210 CJ 492CEM 243CEM 244CEM 245
QA: CJ312 CJ313

420*. **Forensic Science II**
Spring. 3(0-6)
P: CJ 419. R: Open only to seniors in Forensic Science or approval of school.
Scientific analysis of pattern evidence and evidence from human origin. Presentation of scientific evidence in court. Rules governing admissibility of scientific evidence. Case work and mock trials.
QP: CJ312 CJ313 QA: CJ314

421*. **Minorities, Crime and Social Policy**
Spring. 3(3-0)
P: CJ 110 R: Juniors
Minority representation in criminal justice system. Minority assessment of criminal justice response to minorities.
QP: CJ 110 QA: CJ 409

422*. **Comparative and Historical Criminal Justice**
Fall of odd-numbered years. 3(3-0)
P: CJ 110. R: Open only to majors in the School of Criminal Justice.
Comparative study of criminal justice systems. Theories, types, and effects of intervention.
QP: CJ 110 QA: CJ 822

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- 425*.** **Women and Criminal Justice**
 Spring. 3(3-0) Interdepartmental with the Department(s) of Women's Studies.
 P: WS 201 or CJ 220 R: Juniors CJ majors, WS Thematic or approval of school
 Feminist and other theory explaining 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.
 QP: CJ 320 SOC 320WS 201OR QA: CJ 425
- 432*.** **Community Policing**
 Fall, Spring. 3(3-0)
 P: CJ 335. R: Open only to majors in the School of Criminal Justice.
 Community policing philosophy, applications, issues, and contemporary research. Community policing models.
 QP: CJ 335 QA: CJ 318
- 433*.** **Law Enforcement Intelligence Operations**
 Spring. 3(3-0)
 P: CJ 335. R: Open only to majors in the School of Criminal Justice.
 Law enforcement intelligence as an analytic tool for case development and resource allocation. Historical, ethical, legal, and operational issues affecting current practice.
 QP: CJ 335 QA: CJ 409
- 434*.** **Police Administration**
 Fall. 3(3-0)
 P: CJ 335. R: Open only to majors in the School of Criminal Justice.
 Organizational theory, leadership, communications, and labor relations in police administration. Historical and legal perspectives.
 QP: CJ 335 QA: CJ 434
- 435*.** **Investigation Procedures**
 Fall of even-numbered years. 3(3-0)
 P: CJ 375. R: Open only to majors in the School of Criminal Justice.
 Laws of evidence controlling investigative procedures. Crime scene concerns. Multi-agency investigation.
 QP: CJ 375 QA: CJ 315
- 455*.** **Delinquency and Treatment Approaches**
 Spring. 3(3-0)
 P: CJ 355. R: Open only to majors in the School of Criminal Justice.
 Investigation and evaluation of delinquency. Prevention programs and treatment approaches. Implementation and assessments of correctional and community intervention strategies in agency settings.
 QP: CJ 355 QA: CJ 455
- 456*.** **Criminal Careers and Career Criminals**
 Spring of even-numbered years. 3(3-0)
 P: CJ 355 or CJ 365. R: Open only to majors in the School of Criminal Justice.
 Types of juvenile and adult criminal careers. Extent, etiology, control, and treatment of selected offender types. Process of criminal career development.
 QP: CJ 355 CJ 365OR QA: NONE
- 465*.** **Correctional Programming and Analysis**
 Spring. 3(3-0)
 P: CJ 355 or CJ 365. R: Open only to majors in the School of Criminal Justice.
 Contemporary institutional and community corrections programs. Research on adult and juvenile crime prevention, diversion, and treatment programs.
 QP: CJ 355 ORCJ 365 QA: CJ 465
- 466*.** **Corrections Organizations and Systems**
 Fall of even-numbered years. 3(3-0)
 P: CJ 355 or CJ 365. R: Open only to majors in the School of Criminal Justice.
 Management of correctional organizations. Interactions between correctional organizations and their political and cultural environments.
 QP: CJ 355 ORCJ 365 QA: CJ 466
- 471*.** **Law of Corrections**
 Fall of odd-numbered years. 3(3-0)
 P: CJ 375. R: Open only to majors in the School of Criminal Justice.
 Constitutional limitations and the impact of law on correctional practice. Due process, prisoners' rights, and parole and probation.
 QP: CJ 375 QA: CJ 371
- 472*.** **Criminal Law**
 Spring. 4(04-0)
 P: CJ 375. R: Open only to majors in Criminal Justice and Forensic Science.
 Criminal law as a means of preserving and protecting life and property.
 QP: CJ375 QA: CJ472
- 485*.** **Asset Protection Management**
 Spring. 3(3-0)
 P: CJ 385. R: Not open to freshmen and sophomores.
 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.
 QP: 485 QA: 486
- 486*.** **Asset Protection Management**
 Spring. 3(3-0)
 P: CJ 385 or approval of department R:
 Junior or approval of school
 Management of asset protection/loss prevention programs in business, industry, government and institutions. Particular attention to risk analysis, security surveys and audits to control losses due to theft, employee dishonesty and environmental hazards.
 QP: 485 QA: 486
- 490*.** **Independent Study**
 Fall, Spring, Summer. 1 to 3 credits.
 May reenroll for a maximum of 6 credits.
 P: CJ 335, CJ 355, CJ 365, CJ 375. R:
 Open only to seniors in the School of Criminal Justice.
 Individual study in fields of criminal justice, under direct supervision of a faculty member.
 QP: CJ 335 CJ 355CJ 365CJ 375 QA: CJ401
- 491*.** **Topics in Criminal Justice**
 Fall, Spring. 2 to 4 credits. May reenroll for a maximum of 10 credits.
 P: CJ 292. R: Open only to seniors in the School of Criminal Justice.
 Special issues in criminal justice.
 QP: CJ492 QA: CJ409
- 494*.** **Criminal Justice Practicum**
 Fall, Spring, Summer. 3 to 12 credits.
 May reenroll for a maximum of 12 credits.
 P: CJ 335, CJ 355, CJ 365, CJ 375. R:
 Open only to seniors in Criminal Justice.
 Observation, participation and study in selected criminal justice agencies.
 QP: CJ 335 CJ 355CJ 365CJ 375 QA: CJ490
- 809*.** **Issues in Criminal Justice**
 Fall, Spring. 2 to 4 credits. May reenroll for a maximum of 10 credits.
 R: Open only to graduate students.
 Special issues in criminal justice research and management.
 QA: CJ809
- 810*.** **Proseminar in Criminal Justice**
 Fall. 3(3-0)
 R: Open only to graduate students in Criminal Justice.
 Survey of classical and recent literature in criminal justice. Trends and issues that transcend the components of the criminal justice system.
 QA: CJ 810
- 811*.** **Design and Analysis in Criminal Justice Research**
 Fall. 3(03-0)
 P: Approval of instructor R: Graduate students
 Criminal Justice or approval of department
 Scientific methods in criminal justice research. Design of research, principles of data collection and analysis, interpretation of research findings, and ethical concerns. Computer use in data analysis.
 QA: CJ811
- 812*.** **Criminal Justice Management Seminar**
 Spring. 3(3-0)
 R: Open only to graduate students in Criminal Justice.
 Organization theory and behavior for the criminal justice agency. Organization and policy planning, budgeting, forecasting, human resource management, and project implementation.
 QA: CJ812
- 813*.** **Seminar in Advanced Management Topics**
 Spring. 3(3-0)
 R: Graduate students
 Critical study of selected areas of criminal justice management such as organization design and analysis, policy implementation, resource allocation, benefit assessment, personnel development, information systems, and interorganizational networks.
 QA: CJ 813 CJ 814
- 815*.** **Proseminar in Criminal Investigation**
 Spring. 3(3-0)
 P: CJ 811. R: Open only to graduate students in Criminal Justice.
 Research on the criminal justice process. Investigation and role of evidence in the administration of justice. Ethical issues.
 QP: CJ811 QA: CJ815
- 819*.** **Forensic Science I**
 Fall. 3(0-6)
 R: Graduate students only Master of Science in Criminal Justice May not have earned credit in CJ 419
 Forensic Science laboratory practice. Chain of custody. Scientific instruments and the analysis of trace evidence and controlled substances. Development of a research proposal.
- 820*.** **Forensic Science II**
 Spring. 3(3-0)
 P: CJ819 R: Graduate students Master of Science in Criminal Justice only May not have earned credit in CJ 420
 Scientific analysis of pattern evidence and evidence from human origin. Presentation of scientific evidence in court. Rule governing admissibility of scientific evidence. Case work and mock trials. Research report.
- 835*.** **Managing Police Organizations**
 Fall. 3(3-0)
 P: CJ 810. R: Open only to graduate students in Criminal Justice.
 Issues and practices in police management. Management philosophy and personnel management.
 QP: CJ810 QA: CJ 837

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836*. **Assessment of Police Policies and Operations**
 Spring. 3(3-0)
 P: CJ 835. R: Open only to graduate students in Criminal Justice.
 Recent policy-related research and its application to the deployment of human resources.
 QP: CJ837 QA: CJ838

855*. **Delinquency Prevention and Control**
 Fall. 3(3-0)
 R: Open only to graduate students in Criminal Justice.
 Historical overview. Theories and methodologies. Models and organization of delinquency prevention and control programs. Law and public policy. Program evaluation.
 QA: CJ855

865*. **Adult Corrections**
 Fall. 3(3-0)
 Traditional and contemporary adult correctional practices. Social, political, economic, and organizational factors affecting correctional policies.
 QA: CJ 865

866*. **Adult and Juvenile Corrections Programs**
 Spring. 3(3-0)
 P: CJ 855 or CJ 865. R: Open only to graduate students in Criminal Justice.
 Adult and juvenile crime prevention and correctional programs. Application of research findings to management issues.
 QP: CJ 865 ORCJ 855 QA: CJ866

885*. **Security Management**
 Fall. 3(3-0)
 R: Graduate students or approval of instructor
 The organization and management of security operations in business, industry and government.
 QA: CJ 885

886*. **Security Administration**
 Spring. 3(3-0)
 P: CJ 885.
 Administrative and quantitative techniques for security operations. Statistical analyses. Analysis of financial statements. Operations research and computer techniques.
 QP: CJ885 QA: CJ 886

887*. **Quantitative Methods in Criminal Justice Research**
 Spring. 3(3-0)
 P: CJ 811. R: Open only to graduate students in Criminal Justice.
 Descriptive and inferential statistics and computer use in criminal justice research.
 QP: CJ 811 QA: CJ 892

890*. **Independent Study**
 Fall, Spring. 1 to 6 credits. May reenroll for a maximum of 6 credits.
 R: Open only to graduate students in Criminal Justice.
 Individual research and writing under faculty supervision.
 QA: CJ801

894*. **Practicum**
 Fall, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 6 credits.
 R: Open only to graduate students in Criminal Justice.
 Observation, study, and work in selected criminal justice agencies. Participation in domestic and foreign criminal justice systems.
 QA: CJ 890

896*. **Policy Analysis under Conditions of Change**
 Spring. 3(3-0)
 P: CJ 811. R: Open only to graduate students in Criminal Justice.
 Methods of policy analysis in criminal justice settings. Policy analysis for the formulation, adoption and implementation of changes.
 QP: CJ811 QA: CJ 897

901*. **Seminar in Contemporary Theory and Criminal Justice**
 Fall. 3(3-0)
 R: Graduate students Criminal Justice or approval of instructor
 Theoretical perspectives and issues in criminal justice and criminology theory..
 QA: CJ 990

902*. **Seminar in Criminal Justice Systems**
 Spring. 3(3-0)
 R: Graduate students Criminal Justice or approval of school
 Contemporary issues in the criminal justice system.
 QA: CJ930

903*. **Research Utilization in Criminal Justice**
 Spring. 3(3-0)
 R: Graduate students Criminal Justice or approval of school
 Research application in criminal justice theory and practice.
 QA: CJ 992

CROP AND SOIL SCIENCES CSS

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

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 credits in CPS 100
 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.
 QA: CSS 301

210. **Fundamentals of Soil and Landscape Science**
 Fall. 3(2-3) Interdepartmental with the Department(s) of 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.

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.
 QP: CSS 210 QA: CSS 318

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, preparations for tournaments, and public relations.
 QP: CSS 318 QA: CSS 417

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.
 QP: CSS 210 QA: CSS 390

332*. **Advanced Turf Management**
 Spring. 3(3-0)
 P: CSS 232.
 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.
 QP: CSS 318 QA: CSS 416

342*. **Turfgrass Soil Management**
 Fall. 3(3-0)
 P: CSS 232.
 Fertility and pH control of turf soils. Drainage, irrigation programming, cultivation, topdressing, and soil amendments. Environmental impacts. Specialized soils.
 QP: CSS 318 QA: CSS 414

350*. **Introduction to Plant Genetics**
 Spring. 3(4-0)
 P: BOT 105 or BS 111. R: Not open to freshmen and sophomores.
 Fundamentals of plant genetics with applications to agriculture and natural resources.
 QP: BOT 205 BS 211 QA: CSS 350

362*. **Management of Turfgrass Pests**
 Fall. 4(3-2)
 P: CSS 232
 Chemical, biological, and cultural methods of managing weeds, diseases, and insect pests of turfgrass. Environmental considerations in pest management.
 QP: CSS 318 QA: CSS 419

370*. **Agricultural Cropping Systems Management**
 Fall. 3(2-3)
 P: CSS 101 or CSS 210; MTH 110 or MTH 116. R: Not open to freshmen and sophomores.
 Interdisciplinary decision making to select crop and production systems based upon soil productivity, climatic adaptation, environmental impacts, and economic constraints.
 QP: CSS 101 ORCSS 210ANDMTH 108

380*. **Crop Physiology**
 Spring of even-numbered years. 3(2-3)
 P: CSS 101; BOT 105 or BOT 301. R: Not open to freshmen and sophomores.
 Physiological and metabolic function of plants from a whole plant viewpoint. Environmental effects on crop growth, development, and yield.
 QP: CSS 101 BOT 301 QA: CSS 380

402*. **Principles of Weed Science**
 Fall. 3(2-2)
 P: BOT 105, CEM 143. R: Not open to freshmen and sophomores.
 Weed biology and ecology. Cultural, mechanical, biological, and chemical control practices. Herbicide action, selectivity in plants, and effects on environment.
 QP: CEM 143 BOT 301 QA: CSS 402