960. Theoretical Foundations of Counseling Psychology
Fall. 3(3-0)
P: CEP 960, R: Open only to Ph.D. students in Counseling Psychology and School Psychology.
R: Open only to doctoral students in Counseling Psychology and School Psychology. Theoretical models of counseling, personality, and behavior change. Research literature on the process and outcomes of counseling. Selected professional issues.

961. Perspectives on Diversity in Counseling Psychology
Spring. 4(3-4)
P: CEP 961, R: Open only to doctoral students in Counseling Psychology and School Psychology.
Cultural, gender, and disability dynamics as they affect human functioning and counseling processes. Strategies and techniques for multicultural perspectives in counseling.

962. Psychology of Career Development
Fall. 3(3-0)
P: CEP 962, R: Open only to Ph.D. students in Counseling and School Psychology. Theories of career choice and development. Psychological processes underlying vocational behavior.

963. Ethics in Counseling Psychology
Spring. 3(3-0)
P: CEP 963, R: Open only to doctoral students in Counseling Psychology and School Psychology. Rehabilitation Counseling and Family Child Ecology.
Ethical theory, principles, standards, codes of conduct, and legal issues.

964. Counseling Foundations
Fall of odd-numbered years. 3(3-0)

965. Current Research and Issues in Counseling
Fall of even-numbered years. 3(3-0)
P: CEP 965, R: Open only to doctoral students in the Rehabilitation Counseling and School Counseling major.
Practice and research issues in rehabilitation counseling and school counseling.

966. Psychological Diagnosis and Assessment I
Fall. 3(3-0)
P: CEP 966, R: Open only to doctoral students in Counseling Psychology.

967. Psychological Diagnosis and Assessment II
Spring. 3(3-0)
P: CEP 967, R: Open only to doctoral students in Counseling Psychology.
Diagnostic categories, mental status examination, differential diagnosis, and objective and projective psychological assessment.

968. Research Methods in Counseling Psychology
Fall. 3(3-0)
P: CEP 968, R: Open only to Ph.D. students in Counseling Psychology.
Research topics and designs in counseling psychology, with emphasis on the development of a viable research proposal.

969. Supervision of Counseling Psychologists
Spring. 3(2-3)
P: CEP 969, R: Open only to Ph.D. students in Counseling Psychology and School Psychology.
Theoretical, empirical, and practical aspects of the supervisory relationship. Process and outcome variables.

970. Seminar in Counseling, Educational Psychology and Special Education (MTE)
Fall, Spring, Summer. 3(3-0)
P: CEP 9610, R: Open only to doctoral students in College of Education.
Seminar in various fields of emphasis in counseling, educational psychology, and special education.

990. Independent Study
Fall, Spring, Summer. 1 to 6 credits.
A student may earn a maximum of 9 credits in all enrollments for this course.
R: Open only to Ph.D. students.

991. Perspectives on Human Functioning
Fall, Spring, Summer. 3(3-4)
P: CEP 991B, R: Open only to Ph.D. students in Counseling Psychology.
Perspectives on human functioning and counseling practices.

992. Current Research and Issues in Counseling Psychology
Fall, Spring, Summer. 3(3-0)
P: CEP 992, R: Open only to doctoral students in Counseling Psychology and School Psychology.
Current research and issues in counseling psychology and related professional activities within an agency providing counseling and psychological services.

993. Counseling Psychology Practicum I
Fall, Spring. 3 credits.
P: CEP 993A, C: CEP 997 concurrently. R: Open only to Ph.D. students in Counseling Psychology. Intermediate supervised practice in counseling, assessment, diagnosis and related professional activities within an agency providing counseling and psychological services.

994. Counseling Psychology Practicum II
Spring. 3 credits.
P: CEP 994B, R: Open only to Ph.D. students in Counseling Psychology.
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 4 credits.
P: CEP 995, R: Open only to Ph.D. students in College of Education.
Supervised research practicum. Design, execution, analysis, presentation, critique, and revision of research projects.

996. Seminar in Counseling, Educational Psychology and Special Education (MTE)
Fall, Spring, Summer. 3(3-0)
P: CEP 996, R: Open only to Ph.D. students in Counseling Psychology and School Psychology.
Theoretical, empirical, and practical aspects of the supervisory relationship. Process and outcome variables.

997. Seminar in Counseling, Educational Psychology and Special Education (MTE)
Fall, Spring, Summer. 3(3-0)
P: CEP 997, R: Open only to Ph.D. students in Counseling Psychology and School Psychology.
Theoretical, empirical, and practical aspects of the supervisory relationship. Process and outcome variables.

998. Seminar in Counseling, Educational Psychology and Special Education (MTE)
Fall, Spring, Summer. 3(3-0)
P: CEP 998, R: Open only to Ph.D. students in Counseling Psychology and School Psychology.
Theoretical, empirical, and practical aspects of the supervisory relationship. Process and outcome variables.

999. Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits.
A student may earn a maximum of 36 credits in all enrollments for this course.
R: Open only to Ph.D. students.

CRIMINAL JUSTICE
School of Criminal Justice
College of Social Science

110. Introduction to Criminal Justice
Fall, Spring, Summer. 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, Summer. 4(4-0)

220. Criminology
Fall, Spring, 4(4-0) Interdepartmental with Sociology.
P: CJ 110 or SOC 100. R: Open only to students in the Criminal Justice or Forensic Science major or approval of school.

230. Methods of Criminal Justice Research
Fall, Spring, Summer. 4(4-0)
P: CJ 220. R: Not open to freshmen.
Methods of research in criminal justice. Research design, data collection, and analysis.

335. Police Process
Fall, Spring. 4(4-0)
P: CJ 235. R: Open only to juniors or seniors in the Criminal Justice or Forensic Science major.
Role of the police as an arm of the criminal justice system. Police professionalism and administrative structure.

350. Juvenile Justice Process
Fall, Spring. 4(4-0)
P: CJ 250. R: Open only to juniors or seniors in the Criminal Justice or Forensic Science major.
Introduction to the juvenile justice system and law. Juvenile delinquency and deviance. Sociological, psychological, and anthropological perspectives.

355. Corrections Process
Fall, Spring. 4(4-0)
P: CJ 255. R: Open only to juniors or seniors in the Criminal Justice or Forensic Science major.
History 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: CJ 375. R: Open only to juniors or seniors in Criminal Justice or Forensic Science.
Decision-making, the legal and political processes involved in the administration of justice. Constitutional safeguards and legal controls on official action.

A-45
435. Delinquency and Treatment Approaches
Spring, 3(3-0)
P: CJ 255. R: Open only to juniors or seniors in Criminal Justice or Forensic Science.

446. Critical Crime Analysis”
Spring, 3(3-0)
P: CJ 355 or CJ 365. R: Open only to seniors in Criminal Justice. Completion of Tier I writing requirement. Types of juvenile and adult criminal careers. Extent, etiology, and control. Reader-centered. (W)

465. Correctional Programming and Analysis
Spring, 3(3-0)
P: CJ 355 or CJ 365. R: Open only to juniors or seniors in Criminal Justice or Forensic Science. Comparative study of criminal justice systems. Theories, types, and effects of intervention.

422. Comparative and Historical Criminal Justice
Fall, Spring, 3(3-0)
P: CJ 110. R: Open only to juniors or seniors in Criminal Justice or Forensic Science. Comparative study of criminal justice systems. Theories, types, and effects of intervention.

816. Issues in Forensic Science
Fall, 3(3-0)
P: Open only to graduate students in the Criminal Justice or 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, Spring, 3(3-0)
P: Open only to graduate students in the School of Criminal Justice. Scientific methods in criminal justice research. Design, data collection and analysis, interpretation of findings, and ethical concerns. Computer use in data analysis.

471. Law of Corrections
Fall of odd-numbered years, 3(3-0)
P: CJ 375. R: Open only to juniors or seniors in Criminal Justice or Forensic Science. Contemporary institutional and community corrections programs. Research on adult and juvenile crime prevention, diversion, and treatment programs.

456. Criminal Careers and Career Criminals (W)
Spring, 3(3-0)
P: CJ 355 or CJ 365. R: Open only to seniors in Criminal Justice. 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.

421. Minorities, Crime, and Social Policy
Spring of odd-numbered years, 3(3-0)
P: CJ 110. R: Open only to juniors or seniors in Criminal Justice or Forensic Science. 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.

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: CJ 355, CJ 355, CJ 365, CJ 375. R: Open only to juniors or seniors in Criminal Justice or Forensic Science. Approval of school. Observation, participation and study in selected criminal justice agencies.

495. Topics in Criminal Justice
Fall, Spring. 3 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course.
P: CJ 292. R: Open only to juniors or seniors in Criminal Justice or Forensic Science. Approval of school. Special issues in criminal justice.

474. Law and Criminal Justice Policy
Spring, 4(4-0)
P: CJ 375. R: Open only to juniors and seniors in Criminal Justice. Impact of laws 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: CJ 385. R: Open only to seniors in Criminal Justice. Completion of Tier I writing requirement. 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: CJ 355, CJ 355, CJ 365, CJ 375. R: Open only to juniors or seniors in Criminal Justice or Forensic Science. Approval of school. Individual study in fields of criminal justice, under direct supervision of a faculty member.

484. Police Administration (W)
Fall, 3(3-0)
P: CJ 335. R: Open only to seniors in Criminal Justice. Completion of Tier I writing requirement. Organizational theory, leadership, communications, and labor relations in police administration. Historical and legal perspectives.

434. Law Enforcement Intelligence Operations
Spring, 3(3-0)
P: CJ 335. R: Open only to juniors or seniors in Criminal Justice or Forensic Science. Law enforcement intelligence as an analytic tool for case development and resource allocation. Historical, ethical, legal, and operational issues affecting current practice.
820. Forensic Science II  
Spring. 3(2-3)  
P: CJ 810, CJ 819. R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major. Continuation of CJ 819. Analysis of trace evidence including hairs and fibers, paints and coatings, explosives and fire residues, glass and soil.  

825. Managing Police Organizations  
Fall. 3(3-0)  
P: CJ 810. R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major. Issues and practices in police management. Management philosophy and personnel management.  

826. Assessment of Police Policies and Operations  
Spring. 3(3-0)  
P: CJ 825. R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major. Recent policy-related research and its application to the deployment of human resources.  

828. Delinquency Prevention and Control  
Fall. 3(3-0)  
P: CJ 825. R: Open only to graduate students in the Criminal Justice or 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.  

829. Adult Corrections  
Fall. 3(3-0)  
P: CJ 825. R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major. Traditional and contemporary adult correctional practices. Social, political, economic, and organizational factors affecting correctional policies.  

830. Adult and Juvenile Corrections Programs  
Spring. 3(3-0)  
P: CJ 855 or CJ 865. R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major. Adult and juvenile crime prevention and correctional programs. Application of research findings to management issues.  

833. Legal Issues in Criminal Justice  
Fall of even-numbered years. 3(3-0)  
P: Open only to graduate students in the Criminal Justice or 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.  

835. Security Management  
Fall. 3(3-0)  
P: CJ 811 or concurrently. R: Open only to graduate students in the Criminal Justice or Social Science-Criminal Justice major. Organization and management of security operations in business, industry and government.  

836. Security Administration  
Spring. 3(3-0)  
P: Open only to graduate students in the Criminal Justice or 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: CJ 811. R: Open only to graduate students in the School of Criminal Justice. 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 graduate students in the Criminal Justice or Social Science-Criminal Justice major. 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 graduate students in the School of Criminal Justice. 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: CJ 811. R: Open only to graduate students in the School of Criminal Justice. Methods of policy analysis in criminal justice settings. Policy analysis for the formulation, adoption and implementation of changes.  

901. Seminar in Contemporary Criminal Justice Theory  
Fall. 3(3-0)  
P: 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-numbered years. 3(3-0)  
P: 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-numbered years. 3(3-0)  
P: Open only to graduate students in Criminal Justice or in Social Science-Criminal Justice. Research application in criminal justice theory and practice.  
CROP AND SOIL SCIENCES  
CSS  
Department of Crop and Soil Sciences  
College of Agriculture and Natural Resources  

101. Introduction to Crop Science  
Fall. 3(2-3)  

110. Computer Applications in Agronomy  
Fall. 2(1-2)  
P: Open only to College of Agriculture and Natural Resources students. Not open to students with credit in CPS 101. Use of computers in agriculture. Basic computer operating systems. Management and use of storage media. Laboratory experiences in word processing, spreadsheet, data bases, programming languages, networking, and software related to agriculture.  

201. Forage Crops  
Fall. 3(2-2)  

210. Fundamentals of Soil and Landscape Science  
Fall. 3(3-3)  

222. New Horizons in Biotechnology  
Fall. 2(2-4)  

232. Introduction to Turfgrass Management  
Fall. 2 credits.  
P: CSS 210 or concurrently. Turfgrass utilization, identification, establishment and management principles. Responses to various cultural practices.  

242. Athletic Field Maintenance  
Fall. 2 credits.  
P: CSS 210 or approval of department. 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.  

262. Turfgrass Management Seminar  
Fall. 1 credits.  
P: CSS 232 or concurrently. Presentations by individuals involved in turfgrass and golf course management. Topics include golf course construction and operations, preparation for tournaments, and public relations.  

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.  

332. Advanced Turf Management  
Spring. 3(3)  
P: CSS 232. R: Completion of Tier I turfing requirement. 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.