CS 476. Database Administration. 3 credits.
Students learn to administer a database by manipulating physical and logical components of a database management system. Topics include creation of an instance, managing of tables, indexes, privileges, profiles and roles. Prerequisite: A grade of "C-" or better in CS 474.

CS 480. Selected Topics in Computer Science. 1-3 credits.
Topics in computer science which are of interest but not otherwise covered in the regular computer science offerings of the department. Offered only with the approval of the department head; may be repeated for credit when course content changes. Prerequisite: A grade of "C-" or better in CS 159 or CS 239. Topics selected may dictate further prerequisites; students should consult the instructor prior to enrolling for course.

CS 482. Selected Topics in Information Security. 1-3 credits.
Topics in information security. Offered only with the approval of the department head; may be repeated for credit when course content changes. Prerequisites: Grades of "C-" or better in CS 240 and CS 350. Topics selected may dictate further prerequisites; students should consult the instructor prior to enrolling for the course.

This course develops a computer graphics application package based on standard graphics functions as well as attributes of a graphical user interface. It includes experience in applying interactive computer graphics techniques to industrial problems. Prerequisites: Grades of "C-" or better in CS 240 and CS 350.

CS 497. Independent Study. 1-3 credits.
An advanced course to give independent study experience under faculty supervision. May be taken multiple times for credit, but no more than three credits may be used in the computer science program graduation requirements. Prerequisites: Junior standing, major in computer science and permission of the program coordinator.

CS 498. Honors. 6 credits.
Year course. See catalog section "Graduation with Honors."

Continuing Education

Outreach and Engagement

CE 485. Conversational Spanish. 3 credits.
This intensive introductory course aims to develop elementary Spanish skills in a conversational environment using Rosetta Stone Software. It is an online only course which is not available to JMU undergraduate Students.

CE 490. Special Studies in Continuing Education. 1-3 credits.
This course is designed to allow exploration of current topics of interest including various trends and issues in a given field of study.

Criminal Justice

Department of Justice Studies

CRJU 215. Introduction to Criminal Justice. 3 credits.
An introduction to the development of the American criminal justice system from early English beginnings to the present in its three dimensions: police, courts and corrections.

CRJU 225. Ethics in Criminal Justice. 3 credits.
This class offers an overview of ethical issues in the various branches of the criminal justice system, and reviews approaches to establishing and using ethical practices. Prerequisite: CRJU 215.

CRJU 301. Special Topics in Criminal Justice. 3 credits.
This course provides an examination of topics that are of current interest in the field of criminal justice. The class may be repeated for credit when course content changes. Prerequisite: CRJU 215.

CRJU 321. Criminology. 3 credits.
This course introduces student to crime scene investigation and the major disciplines of modern forensic science. Topics include an examination of the historical background of forensic science in the criminal justice system, an assessment of general principles of the current practice of forensic science, examination of the role of expert testimony and likely interaction(s) of the forensic scientist with other individuals and components of the criminal justice system. Prerequisite: CRJU 215.

CRJU/SOCI 325. Criminology. 3 credits.
Study of the extent, causes and possible deterrents to crime including murder, assault, white-collar offenses and organized crime with attention to the role of the victim and policy implications.

CRJU 328. Criminal Procedure. 3 credits.
Study of the criminal justice process from arrest through appeal with emphasis upon the rights of the accused including due process, the right to counsel, search and seizure, and the privilege against self-incrimination. Prerequisite: CRJU 215.

CRJU 329. Criminal Investigation and Evidence. 3 credits.
Characteristics, legal aspects, organizational objectives, theories and systematic procedure of criminal investigation. Includes a survey of the investigative function, interviewing witnesses, interrogation, physical evidence, the investigation of common serious offenses and the principles of evidence, including the legal rules controlling the presentation of evidence in court. Prerequisite: CRJU 215.

CRJU 335. Law Enforcement. 3 credits.
This course provides students with an overview of the practice of law enforcement, the legal and social issues associated with this work in the United States. Prerequisite: CRJU 215.

CRJU 337. Courts and the Judiciary. 3 credits.
This class offers students an in depth introduction to the workings of the Court system in the United States. Prerequisite: CRJU 215.

CRJU 340. Administration of Justice. 3 credits.
This course is designed to identify unique challenges to administrators of criminal justice organizations. The structures, functions, and processes in the administration of criminal justice organizations is examined. Topics of interest include a variety of public management theories, the role of leadership, and communication as it relates to criminal justice organization. Prerequisite: CRJU 215.

CRJU 401. Internship in Criminal Justice. 3 credits.
This course allows students to receive academic credit for work experienced in an agency or organization related to the criminal justice minor. Students should consult the director of the criminal justice minor for assistance in arranging approved internships. Prerequisites: CRJU 215 and permission of instructor.

Cross Disciplinary Studies

Office of Cross Disciplinary Studies

CDS 301. Special Topics. 1-3 credits.
This course allows instructors working through recognized university centers or institutes to offer an examination of current topics that are cross disciplinary in nature and not covered elsewhere in the curriculum. The course may be repeated for credit when course content changes.

CDS 401. Internship. 1-3 credits.
This course allows students to receive academic credit for work experienced in a recognized JMU center or institute. Internships must be approved in advance by the center director and follow the guidelines established by the participating center or institute. Internship is granted at the discretion of the center director. Prerequisites: Junior or senior standing and permission of the director.

Dance

School of Theatre and Dance

DANC 110. Associate Group Dance Repertory I (0, 4). 1 credit.
Introduction to group dance experiences through rehearsal, performance, dance technique training and technical theatre practice. Prerequisites: Permission of the instructor and concurrent enrollment in a dance technique course.

DANC 140. Elementary Modern Dance (0, 4). 2 credits.
Emphasis on modern dance technique and fundamentals of improvisation and choreography. May be repeated for credit.

DANC 142. Elementary Ballet (0, 4). 2 credits.
Fundamentals of ballet technique, basic vocabulary and combinations. May be repeated for credit.

DANC 143. International Folk Dance (0, 4). 2 credits.
Traditional folk dance steps and international folk dances. Emphasis on dances from eastern and western Europe, Mexico and Israel. May be repeated for credit.

DANC 144. Ballroom Dance (0, 4). 2 credits.
Ballroom dance skills including steps, styling and leading, and following for American and Latin ballroom dance forms. May be repeated for credit.

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