COURSE OUTLINE

Division: Information Technology

Curriculum: Database Administration and Development

Course Title: Database Administration

Course Number: ITC 226

Quarter-Hour Credits: 55

Type of Course: Professional-Technical

Course Description: This course provides practice with administrative activities, security and backup on a Relational Database Management System, using Administrative SQL and whatever tools the specific Relational Database Management System (RBMS) offers.

Course Objectives: To provide students with an introduction to the administrative tasks and duties associated with a major RDMS

Student Outcomes: A student finishing this course will be able to
- Develop and implement a database monitoring plan
- Analyze monitored data
- Back up and recover data
- Plan and implement data integrity checks
- Plan and manage physical resource requirements
- Audit database systems
- Gather and document database security requirements
- Implement and enforce security requirements
- Work effectively in a team
- Locate and use sources of relevant information

Length of Course: One Quarter

Prerequisites: ITC 222
Topical Outline:

- Overview of a large RDMS
- Planning and documenting database maintenance
- Monitoring and analyzing monitored data
- Back up and recovery strategies
- Planning for physical resource needs
- Auditing database systems
- Checking data integrity
- Gathering and documenting security requirements
- Implementing security
- Special topics/Industry developments

Developed by: Steve Conger, August 20, 2001