

PALOMAR COLLEGE FORM VERSION: 5/95
COURSE OUTLINE OF RECORD DATE REVISED: 2/18/99
FOR AA DEGREE CREDIT COURSE

Transfer Course Degree Applicable Course

(Check all that apply)

COURSE NUMBER AND TITLE: CSIS 267 SQL Server

UNIT VALUE: 2

MINIMUM NUMBER OF SEMESTER HOURS: 64

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills.

ENTRANCE REQUIREMENTS:

Prerequisite: CSIS 196 and CSIS 264
Corequisite: None
Recommended Preparation: None

SCOPE OF COURSE:

This course provides training to students who are interested in administering and implementing Microsoft SQL Server.

SPECIFIC COURSE OBJECTIVES: Successful students will be able to:

1. Describe Microsoft SQL Server architecture.
2. Install and configure SQL Server.
3. Create and manage files and databases.
4. Choose a login security method and configure login security.
5. Plan and implement database permissions.
6. Transfer and migrate data into databases.
7. Back up and restore databases.
8. Automate administrative tasks.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. SQL Server Overview
 - A. What is Microsoft SQL Server
 - B. SQL Server architecture
 - C. SQL Server components
 - D. SQL Server databases

- II. Designing an application for SQL Server
 - A. SQL Server 7.0 and its supported operating system platforms
 - B. SQL Server architecture
 - C. SQL Server components
 - D. SQL Server databases
 - E. SQL Server application design options

- III. Installing and Configuring SQL Server
 - A. Minimum hardware and software requirements
 - B. SQL Server installation options
 - C. Running SQL Server Setup
 - D. Verifying the installation
 - E. Configuring SQL Server Enterprise Manager

- IV. Building a Database
 - A. Database considerations
 - B. Creating databases
 - C. Managing databases
 - D. Creating tables
 - E. Using constraints
 - F. Implementing indexes
 - G. Triggers

- V. Managing Data
 - A. Data transfer methods
 - B. Transact-SQL
 - C. Implementing joins
 - D. Introduction to stored procedures

- VI. Database Administration
 - A. Introduction to security
 - B. Assigning permissions to users and roles
 - C. Preventing data loss
 - D. Automating tasks

REQUIRED READING:

Soukup, Ron. *Inside Microsoft SQL Server*. Redmond: Microsoft Press, 1999.

SUGGESTED READING: None.

REQUIRED WRITING:

Problem solving exercises are assigned, requiring students to complete five or six computer assignments. Each assignment will consist of a hands-on exercise applying theory principles learned in class. Assignments must be well documented (at least one paragraph) in terms of their overall design goals.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short term classes.

There are written homework exercises within each section of each chapter which are assigned, requiring an average of one hour to complete. In addition, numerous computer assignments are assigned, each ranging from one to ten hours to complete by an average student.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

This course may be offered as a distance education course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380. Yes No

If yes, check all that apply:

Telecourse

Mediated instruction

Computer assisted instruction

GRADING POLICY AND STANDARDS (include methods for determining whether the stated objectives have been met by students):

Computer Assignments	45%
Midterm	25%
Final	30%

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes _____ No X Number of times course may be taken for credit 1.

If yes, identify specific provision of Title 5 Division 2 section(s) 55761-55763 and 58161 which qualifies course as repeatable:

CONTACT PERSON: Richard Stegman x2769

SIGNATURES ON FILE
