



SCOTTSDALE COMMUNITY COLLEGE
COMPUTER INFORMATION SYSTEMS DEPARTMENT

CIS 119DO Introduction to Oracle: SQL

Spring 2009 • Section: 18166 (We 6:00-9:35)

INSTRUCTOR Tom Trollen

OFFICE HOURS Mo 8:00 – 9:00
(CM 410) Tu 8:00 – 9:00
We 5:00 – 6:00 pm
Th 8:00 – 9:00
Fr 8:00 – 9:00
and by appointment

OFFICE CM 410

MY LAB HOURS
(CM 442)

PHONE 423-6265 (voice mail)
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WEB SITES <http://www.scottsdalecc.edu/trollen>
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REQUIRED TEXT

Oracle SQL by Example, 3rd edition, Alice Rischert, Prentice Hall PTR, 2003. (ISBN 0-13-145131-6).

Each chapter is divided into sections called *labs*. Each lab discusses topics and concludes with one or more *exercises*. The answer to each exercise is presented before the next lab. Some labs have *Self-Review* questions, the answers to which appear in Appendix A. It is important that you seriously engage the exercises and self-review questions as you read through each chapter since they often contain expanded discussion and new topics.

OTHER MATERIALS

I will place copies of my class notes on my web site. Use the notes to guide your pre-class study time and use them during class to increase your listening time and reduce the amount of class time devoted to copying.

OBJECTIVES

- 1) To develop a conceptual understanding of database design and database management systems,
- 2) To become proficient with Oracle SQL.

PREREQUISITES

CIS 105 or permission of instructor.

WORKLOAD

A typical class period will be spent discussing and demonstrating SQL. A portion of many classes will be devoted to hands-on activities to reinforce newly covered material. You should plan to spend 5-7 hours out of class *each week* working through tutorials and exercises. You may work in one of SCC's computer labs (CM446 or BU133) or at your own internet-connected workstation. If you plan to work off-campus, you'll need to install the Oracle Client software. See me to checkout an installation CD.

GRADES

Your activities this semester will include (subject to change):

Midterm exam	100
Final exam	150
Applying SQL exercises	250
Total	500

- The exams will cover the material indicated in the attached topic outline. You may make-up a missed exam provided you initiate arrangements within one week of the missed exam date. Exams will typically include multiple-choice and short answer questions and perhaps hands-on activities. You may use a two-sided crib sheet of notes for each exam.
- The final exam will be comprehensive. You may use your previous crib sheets plus two (2) additional sides for the newly covered material.
- *Applying SQL* assignments are due at the *beginning* of the period on the due date. They may be turned in late, with a 10% per 24-hour late penalty, until the time graded assignments are returned to the rest of the class. If your exercise is not complete and ready to turn in, do not skip the beginning of class in order to finish it. Since the late clock begins at the very beginning of the period, you will find it better to attend class as we cover the new material and turn it in later that day (or the next). Doing so also prevents class disruption by late-arriving students.

To minimize late penalties, you may turn in assignments to the Division secretary in CM404. Insist that your assignment get date/time stamped so I will know when it was turned in. Alternatively, you may e-mail or fax completed assignments when you cannot attend class to turn them in personally.

- Final grades will be based on the schedule below. Borderline cases will be decided based upon (1) your final exam score and (2) number of missing exercises and assignments.

GRADE	%
A	≥ 90
B	80-89
C	70-79
D	60-69
F	≤ 59

ATTENDANCE

In order to get the most out of this class you must attend every session. Tips and techniques not covered in the text will be presented and you will be responsible for them. In addition, you will miss important hands-on practice time.

Your attendance will affect your point total and your grade. Attendance will be taken each class period in order to comply with state law. If you miss class, get together with a classmate to study and complete pending assignments *before* the next class meeting. After 2 absences, you *may* be withdrawn from the class. If you intend to drop the course, it is your responsibility to process the required paperwork by the deadline in the SCC class schedule.

MAKE A COMMITMENT TO SUCCEED!

Based on my own perceptions and on student feedback from prior semesters, if you want to get the most out of this course you should:

- Attend every class meeting and participate
- Plan your weekly schedule and allocate adequate time to complete reading and home work assignments
- Keep up with reading assignments and assigned exercises
- Study with a partner
- Be aware of class policies and deadlines
- Use my office and lab hours for “one-on-one” help

ACCOMMODATIONS

It is a college policy to provide reasonable accommodations to students with disabilities. If you would like to request accommodations due to a physical, mental, or learning disability, please contact the Disability Resources & Services office, SC-144, 480-423-6517.

ACADEMIC CONDUCT

The *SCC General Catalog* contains language regarding student conduct and responsibility and cites general areas of misconduct, which are subject to disciplinary action. Specific examples of academic *misconduct* relating to this course include:

- Asking another student for a copy of their printouts or data files.
- Copying another student’s work and turning it in as one’s own.
- Working jointly on an assignment with each student turning in a copy of the joint product, attempting to create the impression that each student worked independently.

If another student asks for a copy of your work, I require that you report the incident to me immediately.

Bottom Line: You must each do your *own* work logged in to your *own* schema.

CIVILITY

As implied in the course policies above, students are expected to behave in a responsible and proactive manner. Students participating in disruptive activities that interfere with the teaching and learning process will be asked to leave for the balance of the class period. Repeated incursions may result in withdrawal from the course. Specific examples of disruptive activities include:

- unnecessary talking
- cell phone usage (including ringing, talking, text messaging, picture taking, etc.)
- off-task computer usage
- chronic lateness or early departure

POLICY AWARENESS

Students are responsible for being aware of and complying with:

- the policies described in this course syllabus. Students will be notified by the instructor of any changes in course requirements or policies.
- the policies included in the college catalog and the student handbook.

TENTATIVE SCHEDULE (Actual dates are *likely* to change.)

The topic outline below indicates the material that will be covered each period. I will assume that you have completed the assigned material *before* coming to class. Failure to do so will mean that you will not be able to maintain the pace required to keep up.

DATE	CLASS	TOPICS
28-Jan Wed	1	Course overview Logins and passwords SQL*Plus and Client software home setup Creation scripts Chapter 1: SQL and Data
04-Feb Wed	2	Chapter 1: SQL and Data Chapter 2: SQL: The Basics
11-Feb Wed	3	Chapter 2: SQL: The Basics Chapter 3: Character and Number Functions
18-Feb Wed	4	Chapter 4: Date and Conversion Functions Chapter 5: Aggregate Functions, Group By, and Having
25-Feb Wed	5	Chapter 5: Aggregate Functions, Group By, and Having Chapter 6: Equijoins
04-Mar Wed	6	Relational Database Design
11-Mar Wed	7	Relational Database Design
18-Mar Wed		Spring Break
25-Mar Wed	8	Midterm Exam Chapter 8: Set Operations
01-Apr Wed	9	Exam Results Chapter 7: Subqueries
08-Apr Wed	10	Chapter 7: Subqueries Chapter 9: Complex Joins Chapter 10: Insert, Update and Delete
15-Apr Wed	11	Chapter 10: Insert, Update and Delete Chapter 11: Create, Alter, and Drop Tables
22-Apr Wed	12	Chapter 11: Create, Alter, and Drop Tables
29-Apr Wed	13	Chapter 12: Views, Indexes, and Sequences
06-May Wed	14	Chapter 13: The Data Dictionary Chapter 14: Security
13-May Wed	15	Comprehensive Final Exam

Tips for Student Success at Scottsdale Community College

Experience shows that students will be successful when they have enrolled in courses for which they are adequately prepared, are motivated by a sincere commitment to excel, and are connected with their instructors, peer students and campus resources. Here are some concrete tips that you should consider.*

- **Identify your goals and your strengths and weaknesses.**
Select the right course, taking into account your preparedness and any prerequisites. Be sure to consult with an advisor and take all appropriate placement tests. Be aware of SCC resources to help you further develop effective study skills
- **Identify and utilize the SCC campus resource areas to build on your strengths and help overcome your weaknesses. These include:**
Writing Center Math/Science Center Counseling Center
Independent Study Lab Open Computer Lab
- **Build a time management plan.**
Be sure to include when and how much you'll need to study to meet your goals and course assignment deadlines. In addition, you may need to allocate time for work, family, recreation and other activities. Try to strike a balance that will help you succeed! Take advantage of classes and workshops that help you develop your time management skills.
- **Study with a partner.**
Use a study partner to help go over key points and to clarify areas you have questions about. Study at a specified time in a place that is free from distractions.
- **Attend every class meeting.**
Student achievement is related to class attendance. If you must be absent, make arrangements to share notes with a reliable classmate. Contact your instructor or a classmate to determine what you missed and what you need to do to prepare for the next class meeting.
- **Take good notes on lectures and on reading materials.**
In addition to studying your notes while preparing for quizzes and exams, use your notes to keep track of problem areas to go over with your instructor or your study partner.
- **Actively develop questions about course content to clarify your understanding.**
Active studying will increase your understanding of the course contents.
- **Participate in class discussions.**
This will allow you to try out your understanding of concepts and raise important questions.
- **Get to know your instructor.**
Many students choose to attend SCC for its smaller class sizes and its accessible instructors. Be aware of your instructor's office hours and take advantage of them for one-on-one help. If you have time conflicts with your instructor's office hours, ask to set up an appointment at a mutually convenient time.
- **Be aware of policies and deadlines.**
Become familiar with the course objectives, policies, and deadlines cited in your instructor's syllabus. In addition, the SCC General Catalog describes many District and campus-level policies.

* adapted from ASSET

STATEMENT ON PROMOTING A POSITIVE LEARNING ENVIRONMENT

Instructors are expected to be professional, courteous, respectful and empathic to students

- Begin and end class on time.
- Be prepared for each class session.
- Provide academic feedback and grade assignments in a timely manner.
- Be available for individual consultation.
- Clarify assignments and inform students of any adjustments to the class schedule.

Students are expected to be reflective, courteous, respectful, and emphatic to classmates, instructor, and other College staff assisting in your learning

- Be in class and be on time.
- Be prepared for class sessions.
- Participate in class activities.
- Follow instructions and complete assignments.
- Keep up with and turn in assignments by the due dates.
- Put forth your best effort.
- Ask questions when you don't understand.
- Maintain knowledge of your grade status.
- Contact instructor right away about concerns or situations that interfere with your success in class.
- Comply with policies found in the College catalog and student handbook.