



SCOTTSDALE COMMUNITY COLLEGE
COMPUTER INFORMATION SYSTEMS DEPARTMENT

CIS 119DO Introduction to Oracle: SQL

Spring 2012 • Section: 34205 (We 6:00 pm - 9:30 pm)

INSTRUCTOR	Tom Trollen	OFFICE HOURS (CM 410)	MoThFr.....9:30 – 10:20 am Tu..... 11:00 – 11:50 am We.....5:00 – 5:50 pm and by appointment
OFFICE	CM 410	MY LAB HOURS (CM 446)	by appointment
PHONE	480.423.6265 (office) 480.423.6449 (fax) 480.442.8660 (mobile)	STUDENT TECH CENTER (IT 100)	Mo-Th..... 7:00 am - 8:00 pm Fr..... 7:00 am - 4:00 pm Sa 8:00 am - 4:00 pm
e-MAIL	tom.trollen@sccmail.maricopa.edu	SCC HELP DESK	480.423.6274
WEB SITES	http://www.scottsdalecc.edu/trollen http://cisdev.sc.maricopa.edu		

REQUIRED TEXT

Oracle SQL by Example, 4th edition, Alice Rischert, Prentice Hall/Pearson Education, 2010. (ISBN-13: 978-0-13-714283-5).

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. Exercises often contain expanded discussion and new topics. Many labs conclude with a *quiz*, the answers to which are found in Appendix A. It is important that you seriously engage the exercises and quizzes as you work through each chapter.

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

Although this class has a relatively low course number (119), it is very challenging and is not intended for a casual audience. Since this course maps to the first-level Oracle certification exam, it covers a large volume of prescribed content. To be successful, you must be well prepared for class session. You must invest the time to complete out-of-class assignments that prepare you for our scheduled class sessions.

A typical class period will be spent discussing and demonstrating SQL. Portions of each class session will feature hands-on activities to reinforce newly assigned material. You should plan to spend 6-8 hours outside of class each week working through assignments and exercises. You may work in one of SCC's computer labs (CM446 or IT100) or at your own Internet-connected workstation.

GRADES

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

Midterm Exam	100
Final Exam	150
Applying SQL Exercises	265
Total	515

- The Midterm exam will cover the material indicated in the Tentative Schedule (below). Exams will typically include multiple-choice and short answer questions. You may make-up a missed exam provided you take the exam arrangements within one week of the missed exam date. You may use two pages (8 ½ x 11) of notes during the midterm exam (whether two sheets single-sided, or one sheet back-to-back). Violation of these limitations will result in a major deduction from your exam score. I suggest you create your exam notes with a word processor so you'll be able to modify them for use during the final exam. You will turn in your notes with your exam.
- The Final exam will be comprehensive. You may use your notes from the midterm exam plus two additional sides (8 ½ x 11).
- *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 graded assignments are returned to the rest of the class. If your assignment 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).
- 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

IN-STATE TRANSFERABILITY

ASU	Elective Credit
UA	Non Transferable
NAU	Elective Credit

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.

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 cited 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 homework 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 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 do your *own* work while logged in to your *own* schema in our cis119do database.

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.

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

SCC GENERAL EDUCATION STATEMENT

General Education enhances students' abilities in critically analyzing and effectively communicating in Written, Oral, Visual, and Numerical form. General Education is WOVeN through the curriculum and co-curricular experiences at Scottsdale Community College.

SCC STATEMENT ON PROMOTING A POSITIVE LEARNING ENVIRONMENT

Instructors are expected to be professional, courteous, respectful and **empathetic** 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 **empathetic** 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.

TENTATIVE SCHEDULE (Subject 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 and successfully complete the course.

Actual assignments and due dates will be posted on the [What's Due?](#) page on the course web site.

DATE	CLASS	TOPICS
18-Jan Wed	1	Course overview Logins and passwords Oracle Client Software and off-campus access Creation scripts
25-Jan Wed	2	Chapter 1: SQL and Data Chapter 2: SQL: The Basics
01-Feb Wed	3	Chapter 3: The WHERE and ORDER BY Clauses
08-Feb Wed	4	Chapter 4: Character, Number, and Miscellaneous Functions
15-Feb Wed	5	Chapter 5: Date and Conversion Functions Chapter 6: Aggregate Functions, Group By, and Having
22-Feb Wed	6	Chapter 7: Equijoins
29-Feb Wed	7	Relational Database Design
07-Mar Wed	8	Relational Database Design
14-Mar Wed		Spring Break
21-Mar Wed	9	Midterm Exam Chapter 9: Set Operations
28-Mar Wed	10	Exam Results Chapter 8: Subqueries
04-Apr Wed	11	Chapter 10: Complex Joins Chapter 11: Insert, Update and Delete
11-Apr Wed	12	Chapter 12: Create, Alter, and Drop Tables
18-Apr Wed	13	Chapter 12: Create, Alter, and Drop Tables Chapter 13: Indexes, Sequences, and Views
25-Apr Wed	14	Chapter 13: Indexes, Sequences, and Views Chapter 14: The Data Dictionary, Scripting, and Reporting
02-May Wed	15	Chapter 14: The Data Dictionary, Scripting, and Reporting Chapter 15: Security
09-May Wed		Comprehensive Final Exam (6:30- 8:30 pm)

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