

# De Anza College - Syllabus for 64c (Fall 2015)

## Department:

CIS

## Course/Section:

Introduction to PL/SQL (CIS -064c)

## Location

This course is taught online. Course has pre-recorded lectures and weekly review sessions.

## Online Meeting Times

**Live lectures are broadcasted live on Tuesday and Thursday mornings starting at 7:30 am to 9:00 am starting Sept 22nd 2015. Recordings are made available for those who cannot attend live lecture**

On line midterm - Oct 27rd 2015, Tuesday, 7:30am to 9:00am

On line final - Dec. 8th 2015, Tuesday, 7:30am to 9:00am

## Faculty Information

Sukhjit Singh

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## Course description

Using the PL/SQL procedural language to write efficient code inside the database environment using procedures.

## Courses Objectives

1. Understand the features of PL/SQL with a general understanding of where and how this language can be used.
2. Use Development and Execution Environments
3. Understand the basics of PL/SQL
4. Use Expressions and Operators
5. Use PL/SQL Control Structures
6. Use PL/SQL Records
7. Use SQL within PL/SQL
8. Describe different built-in SQL functions and how, where they can be used
9. Define different cursor types and how they can be used in PL/SQL
10. Include Error Handling in their PL/SQL code
11. Declare and use Collections, Collection Methods
12. Create Procedures, Functions and Packages
13. Describe different types of database triggers and how they should be used

## 14. Use the advanced features of PL/SQL

### Prerequisites

Computer Information Systems 15BG or 26A. Advisory: English Writing 100B and Reading 100 (or Language Arts 100, or English as a Second Language 172 and 173.

Introduction to SQL - CIS 64B

### Grading System for this course

For Letter Grade:

Grade: A+ assigned with 97% or higher

Grade: A assigned with 93% or higher

Grade: A- assigned with 90% or higher

Grade: B+ assigned with 87% or higher

Grade: B assigned with 83% or higher

Grade: B- assigned with 80% or higher

Grade: C+ assigned with 77% or higher

Grade: C assigned with 73% or higher

Grade: D+ assigned with 70% or higher

Grade: D assigned with 63% or higher

Grade: D- assigned with 60% or higher

Grade: F assigned with 0% or higher

For Pass/No Pass:

Grade: Credit assigned with 70% or higher

Grade: No Credit assigned with 0% or higher

Incomplete

Audit

Withdrawal

### Grading

Final - 40% of the grade

Labs - 30% of the grade

Midterm - 30% of the grade

### Assignments

Practice Exercises in back of each chapter are due using the following schedule. You only do the required exercises. Optional exercises do not need to be done.

	<b>Module</b>	<b>Due Date</b>
0	Introduction	Nothing due
1	Declaring Variables	10/2/2015

2	Writing Executable Statements	Nothing due
3	Interacting with Oracle Server	Nothing due
4	Writing Control Structures	10/5/2015
5	Working with Composite Data Types	10/8/2015
6	Writing Explicit Cursors	10/12/2015
7	Advanced Explicit Cursor Concepts	10/15/2015
9	Handling Exceptions	10/19/2015
9	Creating Procedures	10/22/2015
10	Creating Functions	10/29/2015
11	Managing Subprograms	11/2/2015
12	Creating Packages	11/5/2015
13	More Package Concepts	11/10/2015
14	Oracle Supplied Packages	11/13/2015
15	Manipulating Large Objects	11/17/2015
16	Creating Database Triggers	11/20/2015
17	More Trigger Concepts	11/24/2015
18	Managing Dependencies	12/3/2015

### **General information**

Reader made available online

### **Attendance**

You are responsible for completing all work assigned in this class in a timely fashion. You do not have to contact me with a reason of absence.

You should be enrolled in the class at De Anza College for getting course access and to attend the class.

### **Withdrawing**

Once you are added to the class it is your responsibility to withdraw. I will not drop you from the class. The earned grade will be assigned at the end of the quarter.

## **Academic Dishonesty**

You are encouraged to discuss the ideas presented in the class. Copying or Cheating of work will result in zero grade for that assignment and may result in a failing grade. Basically I cannot tolerate cheating. You must work your solutions independently and all assignments and tests should be your own original work

NO MAKEUP TESTS WILL BE GIVEN. You must pass the final to get a passing grade in this class.

## **Submitting Lab Assignments**

All assignments must be submitted electronically using the following guidelines.

Pl. email your assignments to [cislabs05@gmail.com](mailto:cislabs05@gmail.com)

Include the following information in the subject line (Section # - Lab # - Legal Name)

1. Your section #
2. Lab #
3. Your legal name (as it shows on academic records)

Use Text files for everything you submit.

## **Software**

You will use Oracle Database Server at De Anza. You will be issued an Oracle Account. This information will be emailed to you.

To access Oracle you will need a [unix](#) account. Follow the link that states “**Create your Business/CS Computer Lab Account**”. You must be registered in the class to create your account.

I will create an Oracle account for you in first week and email it to you.