

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: ITD 134

Credits: 4

Course Title: PL/SQL Programming

Course Description

Incorporates a working introduction to commands, functions, and operators used in SQL for extracting data from standard databases. Provides students with a hands-on experience developing code, functions, triggers, and stored procedures for SQL Server 2005. Prerequisite ITD 130 or equivalent. Lecture 4 hours per week.

General Course Purpose

This course includes an introduction to PL/SQL programming within the Oracle RDBMS environment.

Course Prerequisites/Corequisites

ITE 115 or equivalent

Course Objectives

Upon completing the course, the student will be able to:

- a. Acquire an introduction to database application development.
- b. Cover an overview of language fundamentals.
- c. Create procedures and functions, dependencies, packages, database triggers and Oracle supplied packages.

Major Topics to be Included

- a. Application development overview
- b. Language fundamentals
- c. Procedures and functions
- d. Dependencies
- e. Packages
- f. Database Triggers
- g. Oracle supplied packages

Effective Date of Course Content Summary: 9/24/2008