



# Wayne County Community College District

## COURSE SYLLABUS

### CIS 246 Oracle Database Administrator I

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**CREDIT HOURS:** 4.00

**CONTACT HOURS:** 60.00

**COURSE DESCRIPTION:**

In this course the student will gain a conceptual understanding of the Oracle database and how its components work and interact with one another. Students will learn how to create a working database and properly manage it including performance monitoring, database security, user management, and backup/recovery techniques.

**PREREQUISITE:** *CIS 120*

**EXPECTED COMPETENCIES:**

Upon completion of this course, the student will be familiar with:

1. Issue SQL commands that retrieve data based on criteria specified by the user
2. Use SQL commands to join tables and retrieve data from joined tables
3. Perform calculations based on data stored in the database
4. Use functions to manipulate and aggregate data
5. Use subqueries to retrieve data based on unknown conditions
6. Create, modify, and drop database tables
7. Manipulate data stored in database tables
8. Enforce business rules by using table constraints
9. Create users and assign the privileges users need to perform tasks

**ASSESSMENT METHODS:**

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

**GRADING SCALE:**

90%-100% = A  
80%-89.9% = B  
70%-79.9% = C  
60%-69.9% = D  
<60% = E