

Syllabus

Online IT 122(CRN #43197) *Introduction to Data Base Management*

Instructor: James Hart / hart56@unm.edu

Office Room Number: B 123

Instructor's Campus Phone: 505.925.8720 / Mobile 505.239.3435

Office Hours: MW 10:30 AM – 1:00 PM, TTh 10:30 AM – 1:30 PM or ARR

IT 122 Introduction to Database Management Systems. (3) Students will study theory of database management systems (DBMS) and will write generic and reusable programs using DBMS software. Suggested prerequisite: CS 150 with grade of C or better.

COURSE STUDENT LEARNING OUTCOMES: See in course's learn.unm.edu

TEXTBOOK: Instructor issues individual student account for Oracle's Database Foundations and APEX (Application Express 5). From these accounts located:

<https://academy.oracle.com/en/oa-sign-in.html>

Students have access to quizzes and project labs.

ATTENDANCE POLICY: Students are required to do a weekly "check in" personally or through ZOOM to address course materials and questions for the week. Time and dates of these "check in" sessions will be determined after class starts. Attendance to these sessions, live or recorded, is mandatory. Unless with instructor permission four missed weekly sessions will result in student being dropped.

GRADING POLICY

Lesson Practices	20%
Lesson Projects	20%
Section quizzes	10%
Weekly "Check in"	10%
Mid Term	20%
Final	20%
Total	100%

LETTER GRADE DETERMINATION

A 90 +
B 80 -89
C 70 - 79
D 60 - 69
F <60

The Oracle Academy breaks this curriculum into 6 sections. The sections are composed of lessons. Each lesson is composed of student guides, practices and projects. Instructor will determine due dates for practices and projects. Due dates are enforced unless instructor is notified prior to the due date. Late work is penalized 10%

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Academic Integrity

Having academic integrity is paramount to your success in any class. Plagiarism or cheating is not tolerated. Any instance of this will result in a grade of zero for that assignment. Here is the link to the UNM Academic Dishonesty Policy:

<https://policy.unm.edu/regents-policies/section-4/4-8.html>. The policy states:

Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, up to and including dismissal, against any student who is found guilty of academic dishonesty or who otherwise fails to meet the expected standards. Any student judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course.

Academic Dishonesty is defined as:

"Academic dishonesty" includes, but is not limited to, dishonesty in quizzes, tests, or assignments; claiming credit for work not done or done by others; hindering the academic work of other students; misrepresenting academic or professional qualifications within or without the University; and nondisclosure or misrepresentation in filling out applications or other University records.

LIBRARY USAGE: Be sure to always check out the library if you feel you need additional reading materials. They are open for any order suggestions you may have.

STUDENTS WITH DISABILITIES:

If you have a documented disability, the Equal Access Services office will provide me with a letter outlining your accommodations. I will then discuss the accommodations with you to determine the best learning environment. If you feel that you need accommodations, but have not documented your disability, please contact Jeanne Lujan, the coordinator for Equal Access Services at 925-8910 or jmlujan@unm.edu.

In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered "responsible employees" by the Department of Education (see page 15 - <http://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf>). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu). For more information on the campus policy regarding sexual misconduct, see: <https://policy.unm.edu/university-policies/2000/2740.html>.

EMAIL: Be sure to check your contact information in Banner and keep it updated. UNM email as our official form of course communication.

Dates for Reference:

January 25 Enrollment Cancellation for non-payment
February 1 Last Day to Drop for 100% Tuition Refund/Last Day to Drop Without a “W”
February 8 Last Day to Change Grading Options
April 12 Last Day to Withdraw Without Student Services Permission
May 3 Last Day to Withdraw with Student Services Permission

COURSE OUTLINE referencing <https://academy.oracle.com/en/oa-sign-in.html> :
(Please note in DFo_x_y , x is the section and y is the lesson as shown in Week 1)

Week 1 / Jan, 14

Introduction / Section 1

- **Weekly “Check in”**
- Review Course Information in Section 0
- Read Section 1 Student Lesson 1 or referred to as **DFo_1_1**
- Read Section 1 Student Lesson 2 or referred to as **DFo_1_2**
- Attempt Section 1 Student Lesson 2 Practice or DFo_1_2_Practice.doc

Week 2 / Jan. 21

MLK Day Jan. 21

Introduction / Section 1 (cont...)

- **Weekly “Check in”**
- Read DFo_1_3
- Attempt DFo_1_3_Practice.docx
- Read DFo_1_4
- Attempt DFo_1_4_Practice.docx
- Attempt DFo_1_4_Project.docx
- **TAKE SECTION 1 QUIZ**

Week 3 / Jan. 28

- **Weekly “Check in”**
- ***Data Bases and Data Modeling / Section 2***
- Read DFo_2_1
- Attempt DFo_2_1_Practice.docx
- Read DFo_2_2
- Attempt DFo_2_2_Practice.docx

Week 4 / Feb. 4

Data Bases and Data Modeling / Section 2 (cont...)

- **Weekly “Check in”**
- Read DFo_2_3
- Attempt DFo_2_3_Practice.doc
- Review DFo_2_3's 4 Project files
- Read DFo_2_4
- Attempt DFo_2_4_Practice.docx

Week 5 / Feb. 11

- **Weekly “Check in”**
- ***Data Bases and Data Modeling / Section 2 (cont..)***
- Read DFo_2_5
- Attempt DFo_2_5_Practice.docx
- Review DFo_2_5’s 4 Project files
- Read DFo_2_6
- Attempt DFo_2_6_Practice.docx
- Review DFo_2_6_Project.docx
- **TAKE SECTION 2 QUIZ**

Week 6 / Feb. 18

- **Weekly “Check in”**
- ***Refining the Data Model / Section 3***
- Read DFo_3_1
- Attempt DFo_3_1_Practice.docx
- Review DFo_3_1’s First 2 Project files
- Read DFo_3_2

Week 7 / Feb. 25

- **Weekly “Check in”**
- ***Refining the Data Model / Section 3 (cont..)***
- Review DFo_3_1’s Last 2 Project files
- Attempt DFo_3_2_Practice.docx
- Review DFo_3_2_Project.docx
- Read DFo_3_3
- Attempt DFo_3_3_Practice.doc

Week 8 / March 4

- **Weekly “Check in”**
- ***Refining the Data Model / Section 3 (cont..)***
- Read DFo_3_4
- Attempt DFo_3_4_Practice.docx
- **TAKE SECTION 3 QUIZ**
- **MIDTERM EXAM**

Week 9 / March 11

SPRING BREAK

Week 10 / March 18

Oracle SQL Developer Data Modeler / Section 4

- Read DFo_4_1
- Attempt DFo_4_1_Practice.docx
- Review DFo_4_1_Project.docx
- **Weekly “Check in”**

Week 11 /

Oracle SQL Developer Data Modeler Section 4 (cont...)

- Read DFo_4_2
- Attempt DFo_4_2_Practice.docx
- Review DFo_4_2_Project.docx
- ***TAKE SECTION 4 QUIZ***
- ***Mapping to the Physical Model / Section 5***
- Read DFo_5_1
- **Weekly “Check in”**

Week 12 / April 1

Mapping to the Physical Model / Section 5 (cont...)

- Attempt DFo_5_1_Practice.docx
- Read DFo_5_2
- Review DFo_4_2_Practice.docx
- ***TAKE SECTION 5 QUIZ***
- **Weekly “Check in”**

Week 13 / April 8

Introduction to SQL / Section 6

- Go back to Section 0 and download APEX 5 USER GUIDE
- Obtain an APEX account from your instructor
- Read DFo_6_1
- Download obl Sports.zip in DFo_6_1
- Review DFo_6_1_Practice.docx
- Attempt DFo_6_1_Project.docx
- Read DFo_6_2
- Read DFo_6_3
- **Weekly “Check in”**

Week 14 / April 15

Introduction to SQL / Section 6 (cont...)

- Read DFo_6_4
- Read DFo_6_5
- Read DFo_6_6
- SQL labs
- **Weekly “Check in”**

Week 15 / April 22

Introduction to SQL / Section 6 (cont...)

- Read DFo_6_7
- Read DFo_6_8
- **TAKE SECTION 5 QUIZ**
- SQL labs
- **Weekly “Check in”**

Week 16 / April 29

Introduction to SQL / Section 6 (cont...)

- SQL labs
- **Weekly “Check in”**

Week 16 / May 6

ONLINE FINAL