

University of New Mexico Valencia Information Technology (IT) Department

COURSE SYLLABUS Spring 2018

Course Name: IT 122: Introduction to DBMS	CRN# 43197	
Class Days/Time/Location: Online	Section Number: 501	
Course Credits: 4.0		
Instructor: James Hart	Email: hart56@unm.edu	Phone: 239- 3435
Office Hour/Location: MW 1:30 - 2:30, TTh 10:30 - 2:30 in B123A or ARR online(Zoom, Skype)	Course Prerequisite: IT 125 and IT 131	

Texts & Supplies

Required: Computer with Internet access

Course Description & Pre- or Co-requisites

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

Student Learning Outcomes

See attached *IT_122_Course_Objectives.PDF* for learning outcomes

Course Outline

- Introduction
- Entities and Attributes
- Relationship Basics
- Super/Sub Types and Business Rules
- Relationship Basic

Course Outline Cont.....

- UIDs and Normalization
- Arcs, Hierarchies, and Recursive Modeling
- Mapping
- **MIDTERM**
- Intro to Oracle's Application Express and SQL
- SQL's SELECT and WHERE
- Introduction to SQL functions
- SQL single row functions
- SQL JOINS
- SQL group functions
- Subqueries

Grading

The following will be used to determine your grade in this course:

	%
Chapter Practices	50
ERD Labs	20
SQL Labs	20
Final Exam	10
Total	100

The following scale is used to assign course grades:

Percentile Range	Grade
90-100	A
80-89	B
70-79	C
60-69	D
Below 60	F

Note: A final grade of "D" or "F" is not acceptable for this course if it is required for graduation or as a prerequisite for other courses. A final grade of "D" or "F" requires repeating this course.

Attendance

Students are expected to contact me at least once a week or hopefully more in person, by email or Skype. There will be at least 1 ZOOM discussion per week at a predetermined time. If you are unable to attend the ZOOM meeting, please notify me in advance.

Students with Disabilities

Special Services is a department that can provide students with documented disabilities and the accommodations they might need. It is also a department that can help students who think they might have a disability. Please let me know as soon as possible so I can ensure that arrangements are made to accommodate your needs. If you have a disability and prefer not to register, please discuss this with me.

Computer Lab Responsibility

Please be advised that use of computer labs on UNM properties is governed by "Policy 2500: Acceptable Computer Use" which can be found at

<http://policy.unm.edu/university-policies/2000/2500.html>.

Food and drink are also prohibited in any computer lab on campus. Anyone violating these policies is subject to possible suspension and loss of computer lab privileges.

Title IX

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 pg.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>

Academic Dishonesty

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

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, including dismissal, against any student who is found responsible for academic dishonesty. Any student who has been judged to have engaged in academic dishonesty in coursework may receive a reduced or failing grade for the work in question and/or for the course. 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; and misrepresenting academic or professional qualifications within or outside the University.

Late/Make-up/Re-take Policies

The chapter practices are required and covered online. There are due dates on them and the labs. They MUST be completed as we go and not put off until the final hour. Be sure to notify me if you feel you are falling behind for whatever reason.

Syllabus and Class Schedule

The syllabus and class schedule are subject to change by the instructor. Changes will be made with as much advance notice as possible.

Electronic Devices in Class

All mobile telephones must be turned off or switched to silent or vibrate mode.