

FLORIDA ATLANTIC UNIVERSITY™

Graduate Programs—NEW COURSE PROPOSAL

UUPC APPROVAL _____
 SCNS SUBMITTAL _____
 CONFIRMED _____
 BANNER POSTED _____
 CATALOG POSTED _____
 WEB POSTED _____

DEPARTMENT NAME: ITOM COLLEGE OF: BUSINESS

RECOMMENDED COURSE IDENTIFICATION:
 PREFIX ISM COURSE NUMBER 6212 LAB CODE (L or C) _____
 COMPLETE COURSE TITLE
 DATABASE MANAGEMENT SYSTEMS
 EFFECTIVE DATE (first term course will be offered): FALL 2011

INSTRUCTIONAL METHOD
(V, BB, IC, EC, ETC.):

CREDITS: 3	LAB/DISCUSSION:	TEXTBOOK INFORMATION:
LECTURE: Y	FIELD WORK:	

GRADING: REGULAR X _____ PASS/FAIL _____ SATISFACTORY/UNSATISFACTORY _____

COURSE DESCRIPTION, NO MORE THAN 3 LINES: TO INTRODUCE THE STUDENT TO DATA AND DATABASE MANAGEMENT, DATA MODELING, DATABASE DESIGN AND SQL.

PREREQUISITES: GRADUATE STANDING <input type="radio"/> Check box to enforce*	COREQUISITES: <input type="radio"/> Check box to enforce*	OTHER REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL): <input type="radio"/> Check box to enforce*
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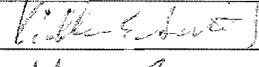
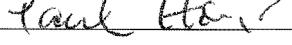
MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE: TERMINAL DEGREE IN RELATED FIELDS

Other departments, colleges that might be affected by the new course must be consulted. List entities that have been consulted and attach written comments from each.
 None

Faculty Contact, Email, Complete Phone Number
 Susan Carter, carter@fau.edu, 561-297-3925

SIGNATURES

SUPPORTING MATERIALS

<p>Approved by:</p> Department Chair: <u></u> College Curriculum Chair: <u></u> College Dean: <u></u> UGPC Chair: _____ Dean, Graduate Studies _____	<p>Date:</p> <u>3/23/11</u> <u>3-24-2011</u> <u>3.28.11</u> _____ _____	<p>Syllabus—must include course objectives. Written Consent—required from all departments affected. Go to: http://graduate.fau.edu/gpc/ to download this form</p>
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* "Enforce" prerequisites or other registration controls adds these restrictions to the course schedule; students whose academic careers do not show these prerequisites or other details will not be able to register. When box is not checked, restrictions show in catalog description only.

Email this form and syllabus to Graduate Studies one week **before** the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website by committee members prior to the meeting.

Database Management Systems
ISM 6212
Spring 2011

Professor : Susan L. Carter
Blackboard : <http://blackboard.fau.edu>
Location : FL 345 (Fleming Hall)
E-Mail : carter@fau.edu
Office Phone: 561-297-3925
Office Hours: Mon & Wed 2:30 – 5 PM
Tues 2:30 – 3:30 PM
Wed 6:00 – 6:45 PM
& by appointment
Subject to change - see Blackboard

Objectives : To introduce the student to Data and Database Management, Data Modeling, Database Design and SQL.

Learning Goals:

Content Knowledge (Declarative and Technical). Students will reinforce learning of basic database concepts such as tables, relationships and queries. They will be introduced to advanced concepts such as normalization, instance charts, SQL Code. The emphasis will be on database design. Students will demonstrate the ability to use software to create ERDs and proficiency in use of SQL to create, populate and query a database.

Communication (Team). Students will reinforce their team communication skills by working on a team semester long project with the objective to design and create a database based on a limited real world business problem.

Critical Thinking and Problem Solving. Students will be able to demonstrate the ability to use a well-formed design to create a database. Students will use queries to answer business questions relevant to their project by choosing the appropriate data and most appropriate query type.

Textbooks And Software

Database Systems: Design, Implementation, and Management, 9th Edition

Peter Rob, Carlos Coronel

ISBN-13: 978-0-538-46968-5

ISBN-10: 0-538-46968-4

Oracle 11g: SQL

Joan Casteel

ISBN-13: 978-1-4390-4128-4

ISBN-10: 1-4390-4128-8

Files to be Downloaded: Files are available for downloading on Blackboard

Grading

Exam 1 – 25 pts for in class exam and 10 pts for the take home project

Exam 2 – 25 pts for in class exam and 10 pts for the take home project

Exam 3 – 25 pts for in class exam and 5 pts for the take home project

THE LOWEST IN CLASS EXAMINATION SCORE WILL BE REPLACED WITH THE AVERAGE OF THE THREE EXAMS. (For example: Exam 1 Score = 25, Exam 2 Score = 14, Exam 3 Score = 24; The lowest score (Exam 2 = 14) would be replaced with the average score of the three examinations. Exam 2 score would be replaced with a score of 21.)

Students enrolled in the graduate level are required to do more challenging problems on homework assignment and on the final exam, in addition to those assigned to students who enrolled in ISM 4212. They are also required to research case studies and scholarly articles on topics chosen by the students and approved by the professor.

Perfume/Cologne

Please do **NOT** wear any perfume, cologne or perfumed products to class or to the instructor's office because the instructor has an allergy to it.

Examinations

Students may bring two 8 1/2 X 11 pages (both sides) full of helpful hints. Your help sheets must be *handwritten by you*. Part of the purpose of the sheets is to help you study for the test. The act of preparing the sheets will help you study for the test. You **MUST** bring a green scantron and a number two pencil.

There will be a review session prior to the examination. The review will focus on student questions related to the topics in the module.

Project

The project is due at the beginning of class on the day of the exam. The evaluations are due by 11:59 PM on the day of the exam. Instructions for the project and evaluations are on Blackboard. Two (2) points will be deducted per day for late submission of project. Two people will work on a project. Each student will complete an evaluation form for each part of the project. See Blackboard for complete instructions.

Note: The final project submission is retained at the end of the semester, so please keep a copy for your records

Practice Exercises

We will work on Practice Exercises during class. Therefore, bring your books to class. It is possible that, on occasion, the instructor will assign exercises to complete for the next class. These are to be the individual's work unless stated otherwise. She may randomly collect these and count them as a **bonus** toward your final grade. They can **NOT** be turned in at a later time. If you know you are going to miss class email the assignment to the instructor **before** the class starts.

Photos

The instructor reserves the right to take photographs to aid in class administration.

Assumptions I Make about You

- You have made an informed choice to be a member of this class. You have read the syllabus and know the workload required. On average, you should spend three hours on your own (reading, studying, making notes, working on assignments, etc.) for every hour of scheduled class time.

- You will do the required reading. This means that you will often have to read something more than once in order to fully understand it (remember the 3:1 ratio in the first assumption).
- You will share your personality, knowledge, skills, and special expertise with the rest of us throughout this semester.

Assumptions You Can Make about Me

- I will give you the respect that I ask you to give me and the other members of the class.
- I will do my best to help you, but I cannot learn the material for you.
- My perception of “fair” is in the context of the entire class, not just your individual needs or desires.
- My judgments are based on my knowledge and experience of what is pedagogically sound for your continuing education and learning.

Cheating/Academic Irregularities: Cheating, plagiarism, copying, and unauthorized collaboration are unacceptable, and are subject to disciplinary action. All College of Business policies are in effect with regard to cheating. Penalties for cheating, at a minimum, include receiving a zero on the examination.

"Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty, including cheating and plagiarism, is considered a serious breach of these ethical standards, because it interferes with the University mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the University community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see

Code of Academic Integrity:

[http://www.fau.edu/regulations/chapter4/4.001 Code of Academic Integrity.pdf](http://www.fau.edu/regulations/chapter4/4.001%20Code%20of%20Academic%20Integrity.pdf)

Incomplete Work Policy: University policy states that a grade of "I" may be given only when a student is currently receiving a passing grade in the course. An incomplete is meant for hardship cases where you are unable to complete the course requirements due to circumstances beyond your control. Pay attention to drop dates. If the course is too much for you, drop it.

General Information: You should use E-MAIL to communicate with me instead of leaving messages on my door or in my mailbox in the ITOM office (FH 219). Put the course id – ISM 6212 – in the subject of all messages. In the body of all email messages you should give me your name, the course name and time and day of the section (i.e., 11AM M/W) you're in so that I can identify who you are. All messages should be written with the same type of language and manners that you would use in a formal, business setting.

Students are responsible for retaining copies of all material (hard-copy, grade sheets and disk copies) until the final grade is received.

Grades will not be given out over the phone or by e-mail.

Do not ask if it is acceptable to miss a class. It is your decision how you should spend your time.

Exams, quizzes and homework will be returned at the next class period. If you are absent when these items are returned, you may come by my office to see/collect them. You have one week after I return any project, test, etc to dispute the grade. After that point the grade will stand as given.

Priority will be given to students who are in the office. Phone calls will be asked to wait or call back at a later time if there is a student present.

Class will begin on time. If you are late, make every effort to minimize disruption to other students. You are responsible for all material presented in class. If you miss any material because of absence or tardiness, you should ask another student for notes. The instructor's notes will **not** be available.

Office hours are specifically for the purpose of addressing class-related questions and problems. Times other than posted office hours are by appointment, but are available. If you do not have an appointment for hours outside of posted office hours, you may be asked to wait or come back at a later time.

Please realize that you earn your grades. I cannot arbitrarily move the grading scale to accommodate your specific needs or desires nor give you extra credit or special consideration. It would be not only unfair to those who worked hard all semester to achieve their grades, but also unfair to you since, in life, you reap the consequences of your actions, both positive and negative. The best way to end the semester well is to begin the semester well and follow through consistently. I will be happy to assist you in acquiring the knowledge and skills required to meet your goals, both within and outside of class. However, your grade itself is determined by you, and not by me.

Inappropriate Behavior: Inappropriate behavior distracts other students and interferes with their learning experience. Inappropriate behavior may include arriving late, leaving early, talking, and so on. Rude and inappropriate behavior will not be tolerated. Cell phones, pagers and other electronic devices must be turned off during the class. Since it is my responsibility to provide an environment that is conducive to learning for everyone in the class, I will ask any student who chooses to repeatedly (more than once) distract others to leave. In particularly egregious cases, I will have the student permanently removed from the class.

ADA Accommodations

“In compliance with the Americans with Disabilities Act (ADA), students who require special accommodations due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) located in Boca Raton -SU 133 (561-297-3880), in Davie -MOD I (954-236-1222), in Jupiter -SR 117 (561-799-8585), or at the Treasure Coast -CO 128 (772-873-3305), and follow all OSD procedures.”

ADA policy: http://www.fau.edu/eop/ada/ada_policy.php

Religious Accommodations

“In accordance with rules of the Florida Board of Education and Florida law, students have the right to reasonable accommodations from the University in order to observe religious practices and beliefs with regard to admissions, registration, class attendance, and the scheduling of examinations and work assignments. Students who wish to be excused from course work, class activities, or examinations must notify the instructor in advance of their intention to participate in religious observation and request an excused absence. The instructor will provide a reasonable opportunity to make up such excused absences. Any student who feels aggrieved regarding religious accommodations may present a grievance to the director of Equal Opportunity Programs. Any such grievances will follow Florida Atlantic University’s established grievance procedure regarding alleged discrimination.”

Religious Accommodation: <http://www.fau.edu/academic/registrar/catalog/academics.php> (Listed under the “Policies for all students” section)

Grading Scale:

Grade	F	D-	D	D+	C-	C	C+	B-	B	B+	A-	A
Cutoff	0	60	63	67	70	73	77	80	83	87	90	93

COURSE REQUIREMENTS AND SCHEDULE MAY VARY BASED ON CLASS DISCUSSIONS AND COURSE PROGRESS. CHECK BLACKBOARD FOR UPDATES.

Bibliography

- Carlis, John & Joseph Maguire, Mastering Data Modeling A User-Driven Approach, 2001, Addison-Wesley
- Connolly, Thomas M & Carolyn E. Begg, Database Systems: A Practical Approach to Design, Implementation and Management, 5/E, 2010, Addison-Wesley
- Date, C.J. , An Introduction to Database Systems, 8/E, 2004, Addison-Wesley
- Elmasri, Ramez & Shamkant B. Navathe, Fundamentals of Database Systems, 6th Ed, 2011, Addison-Wesley
- Frost, Raymond, John Day, & Craig Van Slyke, Database Design and Development A Visual Approach, 2006, Prentice Hall
- Hoffer, Jeffrey A., V. Ramesh & Heikki Topi, Modern Database Management, 10th Ed, 2011, Prentice Hall
- Kroenke, David M. & David J. Auer, Database Processing Fundamentals, Design, and Implementation, 11 Ed, 2010, Prentice-Hall
- Ricardo, Catherine M., Databases Illuminated, 2004, Jones and Bartlett
- Riordan, Rebecca M., Designing Effective Database Systems, 2005, Addison-Wesley
- Stephens, Ryan K. & Ronald R. Plew, Database Design, 2001, SAMS