**Information and Retrieval Concepts**

COP-4703

**1. Instructor**

Professor: Alex Roque M.S. (**aleroque@fiu.edu**)

Oﬃce Hours: By Request before or after class

**2. Web Site**

Website: http://users.cs.fiu.edu/~aleroque/COP4703

**3. Objectives**

* Be familiar with database architecture
* Master the design of retrieval queries
* Master normalization principles
* Be familiar with the design of a relational database
* Be familiar with embedded SQL queries

**4. Textbook/Technologies**

* Textbook: "Concepts of Database Management" (8th Ed) (ISBN: 1285427106) and

"A Guide to SQL" (9th Ed) by Pratt Thompson Course Technology (ISBN: 111152727X)

* SQL Server <https://www.microsoft.com/en-in/sql-server/sql-server-editions-express> The SQL Express you want to download is the one described as Express with Tools (SQLEXPRWT). If you see a file list, choose the one for computer's architecture (x86/64) and find the SQLEXPRWT filename.  
    
  *SQL Server Express with Tools (with LocalDB, Includes the database engine and SQL Server Management Studio Express)*
* MySQL <http://www.mysql.com/>

**5. Grading**

1. Attendance 3% (15 points)
2. Midterm 24% (120 points)
3. Final 28% (140 points)
4. Quizzes 20% (100 points)
5. Projects 25% (125 points)

Total Points: 500 points

Quizzes will be given throughout the semester and you need to be ready to take them. They will be announced the class before they will take place.

**6. Grading Scale**

A: 90 %

A-: 86.67 %

B+: 83.33 %

B: 80 %

B-: 76.67 %

C+: 73.33 %

C: 65 %

D: 60 %

F: Below 60%

**Note: No curve will be applied.**

**7. Attendance**

* Students are expected to attend class and will be responsible for any missed lectures. No make up for missed exams or quizzes.
* Everyone starts out with attendance points. I will randomly call on people for participation and failure to participate in class will cause you to lose attendance points.
* No make-up for the midterm and ﬁnal examinations will be given.
* Attendance will be extremely helpful to pass the course.

**8. General Expectations**

* **You will need to write SQL code to pass the class!** You will most likely not pass the class if you are not comfortable writing SQL code.
* When working as a group, you will be expected to fairly contribute. Don’t be the person that just “worked on the presentation”.
* You will need to practice the implementation to do well on the exams.

**9. Miscellaneous**

* There is a ZERO TOLERANCE policy for cheating. Any student caught cheating will fail the course, no exceptions.
* Cell phone use or texting\email creates a distraction for everyone in the class. If you have an emergency that you need to respond to, please step outside of the class.
* You may bring laptops for any hands-on database lessons.
* NO LAPTOPS /PHONES/TABLETS allowed on your workstation during exams.

**Academic Misconducts**

*Florida International University is a community dedicated to generating and*

*imparting knowledge through excellent teaching and research, the rigorous and*

*respectful exchange of ideas, and community service. All students should respect the*

*right of others to have an equitable opportunity to learn and to honestly demonstrate*

*the quality of their learning. Therefore, all students are expected to adhere to a*

*standard of academic conduct, which demonstrates respect for themselves, their*

*fellow students, and the educational mission of the University. All students are*

*deemed by the University to understand that if they are found responsible for*

*academic misconduct, they will be subject to the Academic Misconduct procedures*

*and sanctions, as outlined in the Student Handbook.*

For further information, please reference the University policies on [academic misconduct](http://compliance.fiu.edu/).