

# Information and Retrieval Concepts

COP-4703

## 1. Instructor

Professor: Alex Roque M.S. ([aleroque@fiu.edu](mailto: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 (SQLEXPRT). If you see a file list, choose the one for computer's architecture (x86/64) and find the SQLEXPRT 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](#).