CST8288   *Object-Oriented Programming with Design Patterns*   Winter 2019

Professor
Shahriar (Shawn) Emami
emamis@algonquincollege.com
Mohamed El-Halawani
elhalam@algonquincollege.com

Office Hours
after each lecture
or by appointment

Learning Schedule
subject to change

Course Info
Course Number: CST8288
Section Number: 10-20
Academic Year: 2018-2019
Term: 19W
Academic Level: 3rd Semester

Text:
Java How to Program 11th, By Deitel
Design Patterns (Gang of Four)

Marking Scheme

- Exam--- 45%
  - Quizzes --- 25%
  - Final-- 20%
    - Multiple Choice -------------------------------- 10%
    - Programing-------------------------------------- 10%
- Practical--- 55%
  - Assignment 1 (in two parts) ---------------------- 20%
  - Assignment 2 -------------------------------------- 15%
  - Labs-- 20%
  - Bonus-- 5%

Must achieve at least 50% in both exam and practical

Schedule

Section-10	Day	Time	Room
Theory-10	Tue	8-10am	C346
Lab-11	Wed	1-3pm	B185
Lab-12	Fri	2-4pm	B130
Lab-13	Thu	2-4pm	B130
Lab-14	Mon	6-8pm	CA405
Section-20	**Day**	**Time**	**Room**
Theory-20	Fri	11:30-1:30pm	B370
Lab-21	Mon	10-12pm	CA418
Lab-22	Wed	4-6pm	CA418
Lab-23	Wed	6-8pm	CA418

Theory	Description (Subject to change)	Due Dates (Subject to change)	Reference
1	OO Review, JUnit 4		Chapters 1-11
2	Class and Sequence Diagrams		Posted Material
3	JavaFX	Lab 1	Chapters 12,13,22
4	Observer, MVC, Singleton design patterns		Posted Material
5	Data Structure and Fluent design patterns	Lab 2	Posted Material, Chapter 16, 21
6	Threading, Sorts, Recursion	Assignment 1A	Chapters 18, 19, 23
7	Networking, DAO design pattern	Lab 3	Posted Material, Chapter 24, 28
8	Review		
9	JDBC, Threading, Recursion	Lab 4	Posted Material, Chapter 24
10	Builder, Factory and Delegate	Assignment 1B	Posted Material
11	Hibernate	Lab 5	Posted Material
12	Tomcat and Servlets		Posted Material
13	Tomcat, Servlets, Threads and networking	Lab 6	Posted Material
14	Multiple Tiers and left-over content		Posted Material
15	Review	Lab 7, Assignment 2	