Course Addendum

Semester**: 2207 Fall 2020**   Subject Code: **DBS311**   Section**: CB**
Subject Title: **Advanced Data Services**
Professor: Nasim Razavi
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Office Hours**: TBA**

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Approved by:
       Kathy Dumanski, Chair, School of Software Design and Data Science

Please read this addendum to the general course outline carefully. It is your guide to the course requirements and activities.

Please refer to the course outline for learning outcomes, course description and text and materials.

Please also visit ict.senecacollege.ca for key information on courses, graduation requirements, transfer credit, and more from the School of Software Design and Data Science.

Assessment Summary

- Labs (minimum 9) - 15%

- Assignments (minimum 2) - 50%: (A1 20%, A2 30%)

- Test (minimum 1) - 20%

- Final Assessment - 15%

Course Policies

To obtain a credit in this subject, a student must:

- Achieve a grade of 50% or better on the final assessment

- Satisfactorily complete assignments

- Achieve a weighted average of 50% or better for the tests and final assessment

- Achieve a grade of 50% or better on the overall course

Labs are not mandatory. It means to pass the course you do not have to complete and submit the labs. If you miss a lab, there will not be a makeup.
Students may not receive a mark for late assignment submissions or resubmissions but they need to complete the assignment successfully to pass the course.

Academic Policies:
http://www.senecacollege.ca/about/policies/academics-and-student-services.html

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TENTATIVE WEEKLY SCHEDULE
Semester - Fall 2020

Week	Topic or Skill	Reading	Assessment	Weight
Week 1 **September** **14-18**	**Intro Databases /** **Oracle** **Review of SQL**	DDL DML Select Join	**Oracle Installation**	
Week 2 **September** **21-25**	**Single Line** **Functions**	Numeric/ Char/ Date Functions	**Lab 01**	1.5%
Week 3 **September** **28 – October** **2**	**Single/Multi** **Row Functions**	Count Sum AVG Max Min	**Lab 02**	1.5%
Week 4 **October 5 - 9**	**Sub-Queries**	**Nested queries**	**Lab 03** **Assignment 1**	1.5% 20%
Week 5 **October 12 - 16**	**Set Operators**	Union Union all Intersect Minus	**Lab 04**	1.5%

Week	Topic	Details	Lab/Assignment	%
Week 6 **October 19 - 23**	**Test**		**Oracle/VC++ Connection Setup**	**20%**
STUDY WEEK				
Week 7 **November 2 - 6**	**Stored Procedures - Conditional Statements**	**- PL/SQL Standalone Procedures** **- Variable and Constraints** **- General Comparison Functions**	**Lab 05** **Assignment 1 due**	**1.5%**
Week 8 **November 9 - 13**	**Stored Procedures - Iteration Statements**	- **Conditional Statements** - **Iteration Statements**	**Lab 06** **Assignment 2**	**1.5%** **30%**
Week 9 **November 16 - 20**	**NoSQL - MongoDB - Create/Delete Documents** **Data Types**	- **NoSQL Overview** - **MongoDB Introduction** - **Create/Update/Delete**	**Lab 07**	**2%**
Week 10 **November 23 - 27**	**MongoDB Query**	- **ad-hoc queries** - *Range selection* - *Set inclusion* - **Inequalities**	**Lab 08**	**2%**
Week 11 **November 30 – December 4**	**MongoDB Update Documents**	- *Document replacement* - *Update modifiers* - *$set* - *$inc* - *$dec*	**Lab 09**	**2%**
Week 12 **December 7 - 11**	**Final Assessment**		**Final Assessment** **Assignment 2 due**	**15%**

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