

Course Addendum

Semester: **2221 Winter 2022** Subject Code: **DBS311** Section: **NFF**

Subject Title: **Advanced Data Services**

Professor: Rani Gnanaolivu

Office:

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Ext.

Office Hours: **Email any time. During MS Teams sessions.**

(Hours when your professor is available for questions or help)

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.

IMPORTANT: 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 – WINTER 2022

Week	Topic or Skill	Reading	Assessment	Weight
Week 1 Jan 10-14	Intro Databases / Oracle Review of SQL	DDL DML Select Join	Oracle Installation Load script Found in Lab 00	
Week 2 Jan 17-21	Single Line Functions	Numeric/ Char/ Date Functions	Lab 01 – select review	1.5%
Week 3 Jan 24-28	Single/Multi Row Functions	Count Sum AVG Max Min	Lab 02 – functions Assignment 1 given out	1.5% 20%
Week 4 Jan 31- Feb 4	Sub-Queries	Nested queries	Lab 03 - subqueries	1.5%
Week 5 Feb 7 - 11	Set Operators	Union, Union all Intersect, Minus	Lab 04 - sets	1.5%
Week 6 Feb 14 - 18	Test		Test Oracle/VC++ Connection Setup	20%
Week 7 Feb 21 – Feb 25	Stored Procedures Conditional Statements	- PL/SQL Standalone Procedures Variable and constraints General Comparison Functions	Lab 05 -PL/SQL intro Assignment 1 due	1.5%
STUDY WEEK (Feb 28 – Mar 4)				
Week 8 Mar 7 - 11	Stored Procedures Iteration Statements	Conditional Statements Iteration Statements	Lab 06 – PL/SQL part 2 Assignment 2 given out	1.5% 30%
Week 9 Mar 14 - 18	NoSQL - MongoDB - Create/Delete Documents Data Types	NoSQL Overview MongoDB Introduction Create/Update/Delet e	Lab 07 – Mongo part 1	2%
Week 10 Mar 21 - 25	MongoDB Query	ad-hoc queries Range selection Set inclusion Inequalities	Lab 08 – Mongo part 2	2%
Week 11 Mar 28 – Apr 1	MongoDB Update Documents	Document replacement Update modifiers \$set, \$inc, \$dec	Lab 09 – Mongo updates Assignment 2 due before Friday midnight of April 8	2% 30%
Week 12 -13 Apr 4 - 15	Project Demo and Final Assessment		Final Assessment April 14	15%