

Course Addendum

Semester: **Fall 2022** Subject Code: **DBS311** Section: **NGG**
Subject Title: **Advanced Data Services**
Professor: Dr. Asem Omari
E-mail: asem.omari@senecacollege.ca Ext.
Office Hours: **by appointment**

Created by:

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.

Please note that during the Fall semester for your hybrid course, the lecture meeting is online and the lab meeting is in-person.

Assessment Summary

- Labs (minimum 9) - 15%
- Assignments (minimum 2) - 50%: (A1 20%, A2 30%)
- Test (minimum 1) - 20%
- Final Assessment - 15%

Course Policies

- 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

- Grading Policy: <http://www.senecacollege.ca/about/policies/grading-policy.html>

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
FALL 2022**

Week	Topic or Skill	Reading	Assessment	Weight
Week 1 SEP 06-09	Intro Databases / Oracle Review of SQL	DDL DML Select Join	Oracle Installation	
Week 2 SEP 12-16	Single Line Functions	Numeric/ Char/ Date Functions	Lab 01 (Single-row Functions)	1.5%
Week 3 SEP 19-23	Single/Multi Row Functions	Count Sum AVG Max Min	Lab 02 (Multi-row Functions)	1.5%
Week 4 SEP 26-30	Sub-Queries	Nested queries	Lab 03 (Sub-queries) Assignment 1 Given out	1.5% 20%
Week 5 OCT 03-07	Set Operators	Union Union all Intersect Minus	Lab 04 (Set Operators)	1.5%
Week 6 OCT 11-14	Stored Procedures Conditional statements	- PL/SQL Standalone Procedures - Variable and Constraints - General Comparison Functions	Lab 05 (PL/SQL – Conditional Statements)	
Week 7 OCT 17-21	Review		TEST 1 Assignment 1 due	20% 20%
Study Week – OCT 24 to OCT 28				

Week 8 OCT 31-NOV 04	Stored Procedures - Conditional Statements	- PL/SQL Standalone Procedures - Variable and Constraints - General Comparison Functions		1.5%
Week 9 NOV 07-11	Stored Procedures - Iteration Statements	Functions Cursors	Lab 06 (Iterative Statements) Assignment 2 given out	1.5% 30%
Week 10 NOV 14-18	NoSQL - MongoDB - Create/Delete Documents Data Types	- NoSQL Overview - MongoDB Introduction - Create/Update/Delete	Lab 07 (MongoDB - Installation)	2%
Week 11 NOV 21-25	MongoDB Query	- ad-hoc queries - <i>Range selection</i> - <i>Set inclusion</i> - Inequalities	Lab 08 (MongoDB Queries)	2%
Week 12 NOV 27- DEC 02	MongoDB Update Documents	- <i>Document replacement</i> - <i>Update modifiers</i> - <i>\$set</i> - <i>\$inc</i> - <i>\$dec</i>	Lab 09 (MongoDB Update)	2%
Week 13 DEC 05-09	Mongo aggregation	Aggregation	Assignment 2 due	30%
Week 14 DEC 12-14	FINAL *may be moved earlier to avoid conflict with other subjects		FINAL Test	15%

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