

# Course Addendum

Semester**: 2207 Fall 2020** Subject Code: **DBS211** Section**:**

Subject Title: **Introduction to Database Systems**

Professor: Lydia Li

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Office Hours**: Tuesday 1:30pm—3:00pm**

Thursday **1:30pm—3:00pm**

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](https://seneca-my.sharepoint.com/personal/laura_ojanen_senecacollege_ca/Documents/Course%20Materials/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**

* Quizzes (weekly, 7 total ) 15%
* Labs (weekly, 9 total 30%
* Project 25%
* Test (midterm) 20%
* Final Assessment (10%)

## Course Policies

* Group Project successfully completed
* 50% or higher weighted average for the test and quizzes combined
* Overall average of 50%

**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** | **Introduction to Databases and Data** | **Relationships, Keys and Referential Integrity** | **Lab 1** | **3.33%** |
| **Week 2**  **September 21-25** | **Database Relational Model** | **SQL standards**  **and Basic Statements** | **Lab 2**  **Quiz 1** | **3.33%**  **1.875%** |
| **Week 3**  **September 28 – October 2** | **Introduction to single table SQL (DML)** | **Tupples**  **and**  **ANSI92-Joins** | **Lab 3**  **Quiz 2** | **3.33%**  **1.875%** |
| **Week 4**  **October 5 - 9** | **Multi-table SQL (DML) and Views** | **Basic DDL Statements**  **and**  **Constraints** | **Lab 4**  **Quiz 3** | **3.33%**  **1.875%** |
| **Week 5**  **October 12 - 16** | **SQL (DDL)** | **GRANT and REVOKE**  **COMMIT, SAVEPOINT, and ROLBACK** | **Lab 5**  **Quiz 4** | **3.33%**  **1.875%** |
| **Week 6**  **October 19 - 23** | **Security and Transactions**  **Review** | **Database Application Architecture and Methodologies** | **Midterm Test (Lab Period)** | **20%** |
| **STUDY WEEK** | | | | |
| **Week 7**  **November 2 - 6** | **Application Development**  **Project Started** | **Data Modelling**  **Optionalities and Cardinalities** | **Lab 6**  **Quiz 5** | **3.33%**  **1.875%** |
| **Week 8**  **November 9 - 13** | **Data Modelling**  **ERDs** | **Repeating Groups**  **Time Sensitive Variables**  **Multi-Value Dependencies** | **Lab 7**  **Quiz 6** | **3.33%**  **1.875%** |
| **Week 9**  **November 16 - 20** | **Normalization 1**  **UNF and 1NF** | **Partial and Transitive Dependencies** | **Lab 8**  **Group Project Milestone 1** | **3.33%**  **10%** |
| **Week 10**  **November 23 - 27** | **Normalization 2 2NF and 3NF** | **Review Normalization**  **Reflection Research** | **Lab 9** | **3.33%**  **3.125%** |
| **Week 11**  **November 30 – December 4** | **Normalization in ERDs**  **Full Case Study** | **Review Normalization and Data Modelling** | **Quiz 7 (2x Value)** | **3.75%** |
| **Week 12**  **December 7 - 11** | **Review**  **and**  **Project Finalization** |  | **Individual Reflective Assessment  Group Project Final** | **10%**  **15%** |

**Quiz Coverage**

* Quiz 1 - Database Relational Model, Keys and definitions
* Quiz 2 - Single Table CRUD statements
* Quiz 3 - Multi-Table SELECT statements and views
* Quiz 4 - DDL statements and transaction readings
* Quiz 5 – Application Development
* Quiz 6 – Data Modelling and ERDs
* Quiz 7 – normalization (UNF-3NF) **– 2x VALUE**

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