

# Course Addendum

Semester**: Winter 2022** Subject Code: **SED200** Section**: NAA**

Subject Title: **Design and Analysis**

Professor: Miguel WatlerOffice**:**

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Office Hours**: Monday 9:50am-11:35am, Thursday 9:50am-11:35am**

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 [sdds.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**

Assignments - 60% (minimum 4)

Test - 20%

Final Exam - 20%

## Course Policies

Satisfactorily complete all assignments (they have to be working)

Achieve a weighted average of 50% or better for the midterm and final exam

Achieve a grade of 50% or better on the overall course (midterm, final, quizzes, Workshops and assignments)

**Academic Policies:**

<http://www.senecacollege.ca/about/policies/academics-and-student-services.html>

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**WEEKLY SCHEDULE**

**Semester Year**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Week** | **Topic or Skill** | **Reading** | **Assessment** | **Weight** |
| **Week 1**  **Jan 10-14** | **Introduction** | **Engineering Design Ch. 1** | **Assign. 1 (due end of week 4)** | **(5% Assign.1 part A)** |
| **Week 2**  **Jan 17-21** | **The Business Case** | **Planning & Design Ch. 8** |  | **(5% Assign.1 part B)** |
| **Week 3**  **Jan 24-28** | **Requirements Collection** | **Engineering Design Ch. 2** |  | **(5% Assign.1 part C)** |
| **Week 4**  **Jan 31-Feb 4** | **The Environment and Public Welfare** | **Planning & Design Ch. 9** | **Assign. 2 (due end of week 7)** | **15% Assign. 1**  **(5% Assign. 2 part A)** |
| **Week 5**  **Feb 7-11** | **The Design Process I** | **Planning & Design Ch. 3** |  | **(5% Assign. 2 part B)** |
| **Week 6**  **Feb 14-18** | **The Design Process II** | **Planning & Design Ch. 3** |  | **(5% Assign. 2 part C)** |
| **Week 7**  **Feb 21-25** | **Testing and Rework** | **Engineering Design Ch. 7** | **Assign. 3 (due end of week 10)** | **15% Assign. 2**  **(5% Assign. 3 part A)** |
|  |  | **Study Week** |  |  |
| **Week 8**  **Mar 7-11** | **Product Support, Sustaining Engineering** | **Article: Software engineering beyond the project** |  | **20% midterm**  **(5% Assign. 3 part B)** |
| **Week 9**  **Mar 14-18** | **Teamwork,**  **MidTerm** | **Planning & Design Ch. 6** |  | **(5% Assign. 3 part C)** |
| **Week 10**  **Mar 21-25** | **Project Scheduling** | **Planning & Design Ch. 5** | **Assign. 4 (due end of week 13)** | **15% Assign. 3**  **(5% Assign. 4 part A)** |
| **Week 11**  **Mar 28-Apr 1** | **The Project Plan** | **Essentials of Project Management Ch 3** |  | **(5% Assign. 4 part B)** |
| **Week 12**  **Apr 4-8** | **Risk Assessment** | **Planning & Design Ch.11** |  | **(5% Assign. 4 part C)** |
| **Week 13**  **Apr 11-15** | **Lessons Learned** | **Article: A Guide to Capturing Lessons Learned** |  | **15% Assign. 4** |
| **Week 14**  **Apr 18-22** | **Review,**  **Final Exam** |  |  | **20% final** |

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