

Course Addendum

Semester: [Fall 2021](#) Subject Code: [MAP523](#) Section: [NSA](#)
Subject Title: [IOS Mobile Development](#)
Professor: [Jenelle C](#)
E-mail: [See course webpage.](#) Ext.
Office Hours: [By appointment only.](#)

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 for key information on courses, graduation requirements, transfer credit, and more from the School of Software Design and Data Science.

Assessment Summary

- Assignments (4) - 50%
- Tests (2) - 50%

Course Policies

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

- Pass the weighted average of all assessments
- Pass the weighted average of the tests

Academic Policies:

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

Class Delivery

- Asynchronous and synchronous activities (hybrid)

Class Attendance

- Attendance is recommended, but not mandatory.
- It is the learner's responsibility to catch up on any missed content.

TENTATIVE WEEKLY SCHEDULE

Please note that all dates, topics and assessments are subject to change depending on factors such as class progress and/or unforeseen events. Additional topics may be covered as time permits. Should there be insufficient time, certain topics may be de-emphasized. Topics may be added, removed and/or shifted depending on the progress of the course. Furthermore, the number of weeks allocated to each module may vary depending on the professor's and/or class requirements. Assessment release and due dates may change subject to professor/class needs..

	Topic or Skill	Readings	Assessment	Weight
Week 1 Sept 7-10	Introduction to IOS development - Course software setup - Introduction to XCode and Swift	Swift Documentation XCode for Beginners	<i>Assignment 1 Issued</i>	
Week 2 Sept 13-17	Swift Programming Fundamentals <ul style="list-style-type: none"> • Variables • Conditionals • Loops • Functions 	Swift Documentation		
Week 3 Sept 20-24	Swift Programming Fundamentals <ul style="list-style-type: none"> • Arrays • Dictionaries Advanced Swift Programming: <ul style="list-style-type: none"> • Object Oriented Programming • Inheritance 	Swift Documentation	Assignment 1 Due	10%
Week 4 Sept 27-Oct1	Swift Programming: Optionals Introduction to IOS: <ul style="list-style-type: none"> • Storyboard layouts • Commonly used UI Controls • Outlets • Actions 	Swift Documentation	<i>Assignment 2 Issued</i>	
Week 5 Oct 4-8	Introduction to IOS: <ul style="list-style-type: none"> • ImageViews Building Multi Screen apps <ul style="list-style-type: none"> • Working with multi screen apps • Passing data between screens • Navigation Controllers 	Segues		

Week 6 Oct 11-15	Session 1: Thanksgiving Holiday No classes Advanced UI components - Pickers	Pickers	Assignment 2 Due	10%
Week 7 Oct 18-21	Advanced UI components - TableViews	TableViews	Midterm Exam	25%
BREAK WEEK Oct25-29				
Week 8 Nov1-5	Working with Location Services - Fetching Device Location - Geocoding	Location Services	<i>Assignment 3 Issued</i>	
Week 9 Nov 8-12	Working with Web Services - Intro to Web Services - Consuming Web Services in iOS	See course webpage		
Week 10 Nov 15-19	Data Persistence in IOS - User Defaults - Introduction to Core Data	User Defaults Core Data	Assignment 3 Due <i>Assignment 4 Issued</i>	15%
Week 11 Nov 22-26	Core Data, continued	Core Data		
Week 12 Nov 29-Dec3	Cloud Based Data Persistence - Cloud Firestore	Firestore Documentation	Assignment 4 Due	15%
Week 13 Dec 6-10	Cloud Firestore, continued Cameras and Photo Gallery	Firestore Documentation Cameras		
Week 14 Dec 13-15	Final Test		Final Exam	25%

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USE.**