
MAD-5264 Mobile Development and Design Capstone Project

Computer Studies

Course Number:	Co-Requisites:	Pre-Requisites:
MAD-5264	N/A	N/A
Prepared by:	Albert Danison, Outline Creator	
Approved by:	Chris Slade, Dean Computer Studies and International Education	
Approval Date:	Friday, June 8, 2018	
Approved for Academic Year:	2018-2019	
Normative Hours:	60.00	

Course Description

This capstone course is for students completing the Mobile Application Design and Development program. It is an opportunity for participants to integrate concepts learned throughout the courses into a final capstone project. Small groups of students work as a team to design and document a complete mobile solution (back-end database coupled with mobile application, etc.). The design must be supported by documented market research, a marketing plan and a business plan. A faculty advisor will meet regularly with the group to ensure the process is properly managed and a plan is followed.

Course Learning Outcomes/Course Objectives

- 1. Discuss the requirements of a mobile application for a real or fictional company based on supplied case studies or request for proposals.**
 - 1.1 Discuss the required topics that relate to the project.
 - 1.2 Use critical thinking and teamwork to design the initial draft proposal for the project.
 - 1.3 Organize research with team members.
- 2. Analyze and design a mobile application for the company.**
 - 2.1 Analyze the requirements based on the case study provided.
 - 2.2 Apply previously learned tools and techniques to design the new application.
 - 2.3 Organize draft proposals with team members.
- 3. Design a mobile application training program for the company that includes security education, awareness and training programs.**
 - 3.1 Use tools and techniques to design and create a mobile application based on draft proposals with team members.

- 3.2 Prepare and use agile software testing and documentation.
 - 3.3 Use critical thinking and teamwork to design the application.
 - 3.4 Organize software testing and documentation with team members.
- 4. Integrate team members into an effective team that collaborates to complete assigned tasks from the project.**
- 4.1 Discuss the collaborative effort required to properly design and test new mobile applications.
 - 4.2 Document the testing criteria and application evaluation.
- 5. Propose your final project in a presentation.**
- 5.1 Plan the proposal presentation with team members.
 - 5.2 Discuss final outcomes of application software testing.
 - 5.3 Propose the final mobile application to the client.

Learning Resources

Required:

None.

Supplemental:

Personal Computer.

Student Evaluation

Written Report- 30%
 Research Project- 30%
 Presentation- 40%

Grade Scheme

The round off mathematical principle will be used. Percentages are converted to letter grades and grade points as follows:

Mark (%)	Grade	Grade Point	Mark (%)	Grade	Grade Point
94-100	A+	4.0	67-69	C+	2.3
87-93	A	3.7	63-66	C	2.0
80-86	A-	3.5	60-62	C-	1.7
77-79	B+	3.2	50-59	D	1.0
73-76	B	3.0	0-49	F	0.0
70-72	B-	2.7			

Prior Learning Assessment and Recognition

Students who wish to apply for prior learning assessment and recognition (PLAR) need to demonstrate competency at a post-secondary level in all of the course learning requirements outlined above. Evidence of learning achievement for PLAR candidates includes:

- Not Applicable: Post graduate course.

Course Related Information

In this course students work as a team under the guidance of a Capstone faculty advisor with whom they will formally meet with to discuss course components; the capstone proposal, the initial testing of their mobile application, presentation and their paper. Formal presentations are required by the team to recommend their mobile application and training program.

College Related Information

Academic Integrity

Lambton College is committed to high ethical standards in all academic activities within the College, including research, reporting and learning assessment (e.g. tests, lab reports, essays).

The cornerstone of academic integrity and professional reputation is principled conduct. All scholastic and academic activity must be free of all forms of academic dishonesty, including copying, plagiarism and cheating.

Lambton College will not tolerate any academic dishonesty, a position reflected in Lambton College policy. Students should be familiar with the Students Rights and Responsibilities Policy, located on the MyLambton website. The policy states details concerning academic dishonesty and the penalties for dishonesty and unethical conduct.

Questions regarding this policy, or requests for additional clarification, should be directed to the Lambton College Centre for Academic Integrity

Students with Disabilities

If you are a student with a disability please identify your needs to the professor and/or the Accessibility Centre so that support services can be arranged for you. You can do this by making an appointment at the Accessibility Centre or by arranging a personal interview with the professor to discuss your needs.

Student Rights and Responsibility Policy

Acceptable behaviour in class is established by the instructor and is expected of all students. Any form of misbehaviour, harassment or violence will not be tolerated. Action will be taken as outlined in Lambton College policy.

Date of Withdrawal without Academic Penalty

Please consult the Academic Regulations and Registrar's published dates.

Waiver of Responsibility

Every attempt has been made to ensure the accuracy of this information as of the date of publication. The content may be modified, without notice, as deemed appropriate by the College.

Students should note policies may differ depending on the location of course offering. Please refer to campus location specific policies:

- Lambton College - Sarnia Campus: <https://www.mylambton.ca/Policies/>

- Lambton College - Non-Sarnia Study Locations: https://www.mylambton.ca/Lambton_in_GTA/Student_Policies/
Note: It is the student's responsibility to retain course outlines for possible future use to support applications for transfer of credit to other educational institutions.