Mobile Industry Trends

Media Studies

Course Number:	**Co-Requisites:**	**Pre-Requisites:**
MAD9042	N/A	N/A
Applicable Program(s):	**AAL:**	**Core/Elective:**
1515X01FWO - Mobile App. Des. & Dev	4	Core
Prepared by:		
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Approved by:	Dan Pihlainen, Chair, Media Studies	
Approval Date:	Monday, June 10, 2019	
Approved for Academic Year:	2019-2020	
Normative Hours:	56.00	

Course Description

This course investigates a variety of current topics related to the mobile industry and app development. While the specific course topics change each year to reflect technological developments in the industry, they can include recent trends in software development and testing, laws concerning data storage and privacy, new hardware technologies in mobile devices, sensor technology, Internet of Things, virtual and augmented reality, and cloud APIs.

Relationship to Vocational Learning Outcomes

This course contributes to your program by helping you achieve the following Vocational Learning Outcomes:

1515X01FWO - Mobile App. Des. & Dev

VLO 2	Promote mobile technology solutions using business communication and marketing skills. (A,)
VLO 3	Create effective user interfaces that leverage evolving mobile device capabilities. (A,)
VLO 7	Research and apply various software development kits (SDKs), frameworks and toolkits. (CP,)
VLO 10	Collaborate in a team-based, mobile development project. (A,)

Relationship to Essential Employability Skills

This course contributes to your program by helping you achieve the following Essential Employability Skills:

EES 1   Communicate clearly, concisely and correctly in the written, spoken and visual form that fulfills the purpose and meets the needs of the audience. (A)

EES 5   Use a variety of thinking skills to anticipate and solve problems. (A)

EES 6   Locate, select, organize and document information using appropriate technology and information systems. (CP)

EES 9   Interact with others in groups or teams in ways that contribute to effective working relationships and the achievement of goals. (A)

Course Learning Requirements/Embedded Knowledge and Skills

When you have earned credit for this course, you will have demonstrated the ability to:

1.) Identify and analyze various technical, security and useability issues that must be addressed when developing mobile solutions.

Ability to analyze potential risks to mobile solutions by studying real-world issues, using case-studies and examples.

Ability to identify potential risks to a project, and propose workarounds or solutions to mitigate those risks where possible.

2.) Identify requirements, and design and propose mobile solutions that solve a user problem or provide them with specific functionality.

Create proposal documentation, including write-ups and wireframes, in a form that can be submitted for external review.

Determine potential technical and useability issues in a proposal, and incorporate solutions into the design.

Design application functionality and interface that targets a general user audience.

3.) Develop, deploy and test mobile solutions that make use of external data from various sources in various formats.

Choose platforms appropriate for a particular solution, that takes into account practical and technical issues.

Identify sources of data available from Open Data, and determine how to collect, collate and filter this data into a mobile solution.

Work with data in various file formats such as JSon, XML, KML and others.

4.) Integrate user feedback into the design process, incorporating changes in the development cycle.

Create and implement a test plan to collect information and analyze results.

Learning Resources

Online resources, including examples and discussion forums.

Learning Activities

In class assignments

Homework assignments

Quizzes/In-class questions

Following tutorials and documentation

Collaboration, group projects

Self-guided research

Evaluation/Earning Credit

The following list provides evidence of this course's learning achievements and the outcomes they validate:

Assignment(s) (80%)

Validates Outcomes: CLR 1, CLR 2, CLR 3, CLR 4, EES 1, EES 5, EES 6

Quiz(zes)/Test(s) (10%)

Validates Outcomes: CLR 1, CLR 2, CLR 3, EES 1, EES 5, EES 6

Discussion Forum (10%)

Validates Outcomes: CLR 1, CLR 2, CLR 4, EES 1, EES 6, EES 9

Students are expected to meet evaluation and completion deadlines as stated in course outline and course section information documents. In circumstances where evaluation and/or completion deadlines are missed or student performance has been affected by a temporary or permanent disability (including mental health), interim or retroactive accommodations may be considered. In such instances, please consult your course faculty member. For other situations where deferral of evaluations may be warranted, please refer to college policy AA21.

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:
* Other: Not Applicable

Grade Scheme

Final Grade	Mark Equivalent	Numeric Value	Final Grade	Mark Equivalent	Numeric Value
A+	90% - 100%	4.0	A	85% - 89%	3.8
A-	80% - 84%	3.6	B+	77% - 79%	3.3
B	73% - 76%	3.0	B-	70% - 72%	2.7
C+	67% - 69%	2.3	C	63% - 66%	2.0
C-	60% - 62%	1.7	D+	57% - 59%	1.4
D	53% - 56%	1.2	D-	50% - 52%	1.0
F	0% - 49%	0	FSP	0	0

Other Information

Students are required to respect the confidentiality of employer, client and/or patient information, interactions, and practices that occur either on Algonquin College premises, or at an affiliated clinical/field/co-op placement site. Concerns regarding clients, patients, and/or employer practices are to be brought to the attention of the program coordinator, or designated field/clinical/co-op placement supervisor so that they may be resolved collaboratively. Such concerns are not to be raised publically either verbally, in writing, or in electronic forums. These matters are to be addressed through established program communication pathways.

Course Related Information

Please refer to the Course Section Information (CSI) / weekly schedule for specific course-related information as provided by your professor.

Program Related Information

1515X01FWO - Mobile App. Des. & Dev

The late policy for assignments is a 10% per day deduction to a maximum of 30%.

If an assignment is still not submitted 10 days after the due date then a grade of zero will be given for the assignment. Students can still submit work for review and feedback after the 10 days but no grade will be given.

Any extensions to due dates must be arranged with the course instructor BEFORE the due date.

Department Related Information

Email

Algonquin College provides all full-time students with an e-mail account. This is the address that will be used when the College, your professors, or your fellow students communicate important information about your program or course events. It is your responsibility to ensure that you know how to send and receive e-mail using your Algonquin account and to check it regularly.

Students with Disabilities

If you are a student with a disability, you are strongly encouraged to make an appointment at the Centre for Accessible Learning to identify your needs. Ideally, this should be done within the first month of your program, so that a Letter of Accommodation (LOA) can be provided to your professors. If you are a returning student, please ensure that professors are given a copy of your LOA each semester.

Retroactive Accommodations

Students are expected to meet evaluation and completion deadlines as stated in course outline and course section information documents. In circumstances where evaluation and/or completion deadlines are missed or student performance has been affected by a temporary or permanent disability (including mental health), interim or retroactive accommodations may be considered. In such instances, please consult your course faculty member. For other situations where deferral of evaluations may be warranted, please refer to college policy AA21.

Academic Integrity & Plagiarism

Adherence to acceptable standards of academic honesty is an important aspect of the learning process at Algonquin College. Academic work submitted by a student is evaluated on the assumption that the work presented by the student is his or her own, unless designated otherwise. For further details consult Algonquin College Policies AA18: Academic Dishonesty and Discipline and AA20: Plagiarism

Student Course Feedback

It is Algonquin College's policy to give students the opportunity to share their course experience by completing a student course feedback survey for each course they take. For further details consult Algonquin College Policy AA25: Student Course Feedback

Use of Mobile Devices in Class

With the proliferation of small, personal mobile devices used for communications and data storage, Algonquin College believes there is a need to address their use during classes and examinations. During classes, the use of such devices is disruptive and disrespectful to others. During examinations, the use of such devices may facilitate cheating. For further details consult Algonquin College Policy AA32: Use of Mobile Devices in Class

Transfer of Credit

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.

Note: It is the student's responsibility to refer to the Algonquin College Policies website for the most current information at http://www.algonquincollege.com/policies/

Legend

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Terms
- ALO: Aboriginal Learning Outcome
- Apprenticeship LO: Apprenticeship Learning Outcome
- CLR: Course Learning Requirement
- DPLO: Degree Program Learning Outcome
- EES: Essential Employability Skill
- EOP: Element of Performance
- GELO: General Education Learning Outcome
- LO: Learning Outcome
- PC: Program Competency
- PLA: Prior Learning Assessment
- PLAR: Prior Learning Assessment and Recognition
- VLO: Vocational Learning Outcome

Assessment Levels
- T: Taught
- A: Assessed
- CP: Culminating Performance