



This course includes 3-hours of lecture per week and a 2-hour lab per week

<b>Lectures:</b>	G112	Monday	08:30 – 09:50AM
	G111	Wednesday	08:30 - 09:50AM
<b>Labs:</b>	G112	Friday	11:30 – 01:20PM

### LEARNING OUTCOMES:

At the end of this course, students will gain the ability to:

- Discuss and explain how perception, memory and cognition pertain to designing human computer interfaces.
- Design and implement user interfaces using modern application programming interfaces (APIs) and toolkits.
- Design and implement graphical user interfaces for computers, game consoles and mobile devices.
- Design and implement software that interfaces with input and output devices, including game controllers.

### TRANSFERABILITY:

UA, UC, UL, AU, KUC, GMU.

**\*Warning:** Although we strive to make the transferability information in this document up-to-date and accurate, **the student has the final responsibility for ensuring the transferability of this course to Alberta Colleges and Universities.** Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at Alberta Transfer Guide main page <http://www.transferalberta.ca> or, if you do not want to navigate through few links, at <http://alis.alberta.ca/ps/tsp/ta/tbi/onlineresearch.html?SearchMode=S&step=2>

**\*\* Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability**

### EVALUATIONS:

Your final grade will be determined in the following manner:

<b>Assignments/Project</b>	<b>15%</b>
<b>Quizzes</b>	<b>30%</b>
<b>Midterm Exam</b>	<b>25%</b>
<b>Final Exam</b>	<b>30%</b>

**GRADING CRITERIA: (The following criteria may be changed to suite the particular course/instructor)**

Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**. Quizzes can be un-announce as well.

Alpha Grade	4-point Equivalent	Percentage Guidelines	Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	95-100	C+	2.3	67-69
A	4.0	85-94	C	2.0	63-66
A-	3.7	80-84	C-	1.7	60-62
B+	3.3	77-79	D+	1.3	55-59
B	3.0	73-76	D	1.0	50-54
B-	2.7	70-72	F	0.0	00-49

**COURSE SCHEDULE/TENTATIVE TIMELINE:**

	Topics
Week 1-4	<b>Usability, Guidelines and Theories</b> <ul style="list-style-type: none"> <li>• Usability and User Experience Goals</li> <li>• User Centred Design and Requirements</li> </ul> <b>Quiz 1 and 2</b>
Week 5-9	<b>Scenarios and Task Description</b> <ul style="list-style-type: none"> <li>• Ideation</li> <li>• Prototyping</li> <li>• Vision</li> </ul> <b>Midterm</b>
Week 10-13	<b>Design</b> <ul style="list-style-type: none"> <li>• Design Principles</li> <li>• Layout and Navigation</li> <li>• Evaluation</li> </ul> <b>Quiz 3 and 4</b>
Week 14	<b>Usability Testing</b>

	<ul style="list-style-type: none"><li>• Usability</li><li>• Experiments</li><li>• Universal Design</li><li>• Information Visualization</li></ul>
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**STATEMENT ON PLAGIARISM AND CHEATING:**

Academic Misconduct will not be tolerated. For a more precise definition of academic misconduct and its consequences, refer to the Student Rights and Responsibilities policy available at <https://www.nwpolytech.ca/about/administration/policies/index.html>.

\*\*Note: all Academic and Administrative policies are available on the same page.