



4. Examine, in depth, the calculation, application, and interpretation of selected statistical techniques.
5. Explore hypothesis testing.
6. Summarize concepts and key terms for reliability and validity for students.

**TRANSFERABILITY:**

Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at the Alberta Transfer Guide main page <http://www.transferalberta.ca>.

**\*\* 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:**

Midterm	February 16th	20%
Data Project	April 6 & 11	20%
Labs	See Course Schedule	30% (6 x 5%)
Final Exam	TBD	30%
<b>Total</b>		100%

**GRADING CRITERIA:**

Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**.

Alpha Grade	4-point Equivalent	Percentage Guidelines	Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	90-100	C+	2.3	67-69
A	4.0	85-89	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

**STUDENT RESPONSIBILITIES:**

- Regular attendance is a key to success in this and every other course. Please contact the instructor if you must miss class. It is the student’s responsibility to acquire any materials and content missed due to absence. If a student misses more than 5 classes, they may not be allowed to take the midterm and/or the final exam.
- Lab attendance is mandatory. Failure to attend lab will result in a 0 for the missed lab unless the instructor has given prior permission. Labs must be submitted online by the posted due date & time and will be deducted 10% for each day late, including weekends. Students may resubmit one lab of their choice. This must be submitted online by the posted due date. No late re-submissions will be allowed.
- Late projects will be deducted 10% for each day late, including weekends.
- If you have a significant issue or concern (e.g., illness or family emergency), contact the instructor as soon as possible.

**STATEMENT ON PLAGIARISM AND CHEATING:**

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the Northwestern Polytechnic Calendar at <https://www.nwpolytech.ca/programs/calendar/> or the Student Rights and Responsibilities policy which can be found at <https://www.nwpolytech.ca/about/administration/policies/index.html>

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

**COURSE SCHEDULE/TENTATIVE TIMELINE:**

Lecture: Tuesday/Thursday 11:30 AM-12:50 PM (E306)

L1 Wednesday 1-1:50 PM, Thursday 1-1:50 PM (E306)

Date	Tuesday (Lecture)	(Lab)	Thursday (Lecture)
Week 1	No classes	No lab	Course Introduction
Week 2	Descriptive Statistics	Lab 0	Descriptive Statistics
<b>**Jan 13 – Add/Drop Deadline</b>			
Week 3	Probability	Lab 1	Probability
Week 4	Normal Distribution	Lab 1	Normal Distribution
Week 5	Introduction to Hypothesis Testing	Lab 2	Introduction to Hypothesis Testing
Week 6	Hypothesis Testing	Lab 3	Hypothesis Testing
Week 7	Review	Lab 3	Midterm
Week 8	No Classes: Fall Break		
Week 9	Hypothesis Testing	Lab 4	Correlation & Regression
Week 10	Correlation & Regression	Lab 5	Correlation & Regression
Week 11	Library Session (Learning Commons)	Open lab	ANOVA
Week 12	ANOVA	Lab 6	ANOVA
<b>**March 29 – Last Day to Withdraw</b>			
Week 13	ANOVA	Open lab	Project Work Day
Week 14	Peer Review – Draft Project due 10:00am	No lab	Applying Statistics
Week 15	Review – Final Project due 10:00am	No lab	

*This schedule is subject to change based on how we progress as a class. Changes will be announced in class and on myClass.*

**Labs will be due by the start of the following weeks lab.**

**STUDENT RESPONSIBILITIES:**

- All assignments are expected to be submitted on the due date. Late assignments will be deducted 10% per day up to 4 days late. After 4 days late, assignments will not be accepted. If you have a significant issue or concern (e.g., illness or family emergency), contact the instructor as soon as possible.
- Regular attendance is a key to success in this and every other course. Please contact the instructor if you have to miss class. It is the student's responsibility to acquire any materials and content missed due to absence.
- If you are participating via zoom your camera must be on and you must be in an appropriate learning environment.
- Missed labs cannot be made up unless there is a significant issue and the instructor has given permission to make up the lab.
- Lectures/Slides will be provided to students in a format of the instructors choosing. You may not always receive complete slides or there may be alterations to the ones posted. It is the student's job to ensure they are taking appropriate notes.

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