



4. The instructor will examine, in depth, the calculation, application, and interpretation, of selected statistical techniques.
5. The instructor will introduce and explore hypothesis testing.
6. The instructor will introduce concepts and key terms for reliability and validity to students.

**TRANSFERABILITY:**

UA, UC, UL, AU, MRU,

Please consult the Alberta Transfer Guide for more information

(<http://alis.alberta.ca/ps/tsp/ta/tbi/onlineSearch.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:**

Final (DATE: TBD)	35 %: Examination is cumulative from all materials throughout the semester.
Midterm Evaluations (2): 1: Jan 31 & Mar 9	20 %: Each of the midterm examinations will be cumulative to the time of the exam.
Seminar & SPSS Reports:	25%: These reports include work completed during seminar sections and appropriate write-ups demonstrating an understanding for content.

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

**SEMINAR & SPSS REPORTS:** Students will follow methodological procedures by applying statistical procedures used in the field of research and determining accurate statistical calculations for evaluating their outcomes. Interpretations for the results will be included in the assignment as well. Activities from both assigned textbooks will be utilized. SPSS software will be utilized.

**MIDTERM EXAMINATIONS:** Each of these examinations will be cumulative to the materials covered throughout the exploration of the relevant chapter topics and readings. These examinations will be a combination of multiple choice questions and critical thinking questions.

**FINAL EXAMINATION:** This examination will include a combination of multiple choice and critical thought questions. This combination is designed to prompt the student to recruit various topics covered throughout the semester and demonstrate competence in constructing a logical point of view using different theoretical topics in sport and physical activity research contexts.

<b>Alpha Grade</b>	<b>4-point Equivalent</b>	<b>Percentage Guidelines</b>		<b>Alpha Grade</b>	<b>4-point Equivalent</b>	<b>Percentage Guidelines</b>
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

## COURSE SCHEDULE/TENTATIVE TIMELINE:

WEEK	ASSIGNED READINGS	SEMINAR PROGRESSION	EXAMS
Jan 5, 10 & 12	Assigned Readings & Chapter 1: Identifying a Research Problem and Stating Hypothesis	Jan 13	
Jan 17, 19, 24 & 26	Chapter 1: Identifying a Research Problem and Stating Hypothesis Chapter 2: Identifying independent & Dependent variables in hypothesis	Jan 20 & 27: Chapter 1 & 2	JAN 31
Feb 2, 7- 9	Chapter 3: Measures of Dispersion & Measures of relative standing	Feb 3 & 10: Chapter 3	
Feb 14 & 16	Chapter 4: Graphically Describing the Dependent Variable	Feb 17: Chapter 4	
Feb 20- 24	Reading Break	Reading Break	Reading Break
Feb 28, Mar 2, 7, & 9	Chapter 5: Choosing the right statistical test	Mar 3 & 10: Choosing Tests	MAR 9
Mar 14- 16	Chapter 6: The One-Sample T-Test	Mar 17: One-Sample T-test	
Mar 21 -23	Chapter 7: The Independent Sample t-test	Mar 24: Independent Sample t-test	
Mar 28 -30	Chapter 8: The Dependent Sample t-test	Mar 31: Dependent Sample t-test	
Apr 4-6	Chapter 11: The Correlational Procedures	Apr 7: Correlation	
Apr 12	Final Exam Review		

## STUDENT RESPONSIBILITIES:

Refer to the College Policy on Student Rights and Responsibilities at

[www.gprc.ab.ca/d/STUDENTRIGHTSRESPONSIBILITIES](http://www.gprc.ab.ca/d/STUDENTRIGHTSRESPONSIBILITIES)

- All assignments must be submitted in typed format adhering to ALL APA format requirements.
- Assignments are due on the dates established by the instructor. Extensions may be offered in lieu of SIGNIFICANT student issues and concerns as determined by the instructor. ALL extensions requests MUST be submitted to the instructor prior to the due dates. Percentage penalties will be applied up to 100 % of the assignment grade if assignments are submitted late.
- Regular attendance is important to success in this course. Classroom activities support student comprehension of materials, content clarification, relevant peer questions and support. It is the

student's responsibility to acquire the material missed and to complete assigned readings, in-class work, and assigned homework.

#### STATEMENT ON CELL PHONE AND OTHER PERSONAL ELECTRONIC DEVICES:

- Users of cell phones and other personal electronic devices must be attentive to the needs, sensibilities and rights of other members of the College community. **The use of these devices must not disrupt the functions of the College overall and its classrooms and labs.** Instructors have the right to have strict individual policies related to cell phones in order to provide and maintain a classroom environment that is conducive to learning and the respect of others.
- **Smart phones, & PDAs must be turned off and placed out of sight in classrooms and computer labs during instructional time. Devices can be turned on and set to silent mode only with the expressed consent of individual instructors.** Sending or receiving text messages or gaming on a cell phone during class is not acceptable. In addition, cell phones and other personal electronic devices incorporating cameras must be turned off and out of sight in any area in which individuals have reasonable expectations of privacy. This includes classrooms and computer labs.
- If cell phones, pagers, calculators, recorders, digital cameras, PDAs, players or other personal electronic devices are used inappropriately for the purposes of cheating or academic dishonesty, then students who do so will be penalized appropriately under the Academic Honesty policy of Grande Prairie Regional College.

#### 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 College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at [www.gprc.ab.ca/about/administration/policies/\\*\\*](http://www.gprc.ab.ca/about/administration/policies/**)

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