

STAT 2126 EL 02: Scientific Method and Analysis I
Winter 2007
Mondays, Wednesdays, & Fridays: 10:30-11:30 a.m.
Room C204

Course Outline

Instructor: Anna-Liisa Mottonen

Office: A240

Phone: 675-1151 ext. 4296

Email: al_mottonen@laurentian.ca

Office Hours: Mondays, Wednesdays, & Fridays: 9:00-10:00

Teaching Assistant: T.B.A.

Textbook: *Essentials of Statistics for the Behavioral Sciences* (5th Edition)
by Gravetter and Wallnau

Topic	Chapter
Introduction, Definitions, Scales of Measurement, Statistical Notation, Scientific Method, Experimental Designs, Non-Experimental Designs	1
Frequency Distribution Tables and Graphs, Grouping Data	2
Measures of Central Tendency	3
Measures of Variability	4
Normal Curve, Z-Scores	5
Probability	6
Central Limit Theorem	7
Inferential Statistics, Hypothesis Testing, Z-Tests	8
Correlation, Regression	15

Grade Allocation: 3 Tests.....60% (20% each)
Final Exam.....40%

Notes:

1. Test dates will be decided upon in class.
2. Calculators should be brought to all tests and to the exam.
3. Please inform the instructor **in advance** if a test must be missed or re-scheduled; do not approach the instructor regarding such issues on the day of the test or after.
4. Students should inform the instructor as soon as possible if they have Special Needs and/or require special accommodations for tests and/or the exam.