Mathematics 0212 (Spring Summer 2012 Web Based)

<u>Quantitative Methods for the Health Scientist</u>

Instructor: Dr. Wendy Huang

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Course Description:
 This course is an introduction to elementary statistics which will include topics such as: measurement in statistics, frequency distributions and graphs, data description, probability, normal distribution, confidence interval, hypothesis testing, correlation and regression, Chi-square and Analysis of Variance (ANOVA).

Textbook:
Bluman, Allan G., Elementary Statistics: a step by step approach (2nd Canadian Edition), McGraw Hill.

WebCT:
 -Course Related Materials:
In addition to the textbook, which is your main course material, there will be all assignment problems, and possibly supplement notes related to certain topics. All these notes will be available online through your WebCT access, under **Course Menu → Course Related Materials**. **You will also find assignment questions here.**

- Discussion Room:
This is the place that you can communicate with other students as well as your instructor. Go to **Course Menu → Discussion Rooms.**

- Assignments:
To know how to submit assignments, go to **Course Menu → Assignments.**

- Calendar:
The course calendar is located under **Course Menu → Calendar.** This calendar will contain important dates and deadlines for assignments (questions & solutions), as well as any announcement.

Course Evaluation:

Assignment #1	(Chapters 1-3)	10%
Assignment #2	(Chapters 4-5)	10%
Assignment #3	(Chapters 6-7)	10%
Assignment #4	(Chapters 8-9)	10%
Assignment #5	(Chapters 10-11)	10%

Final Exam   50%

Assignments:
Recall that the assignment problems will be shown under **Course Menu →
Course Related Materials.** The instructor will create the assignment questions
pertaining to the chapters noted above. You will only need a Texas Instruments
TI-30X II S or similar calculator to this type to complete each assignment.
However, if you have access to a computer, feel free to try these problems using
a statistical package such as, Excel, SPSS, etc. Each assignment should be
attached with the provided cover sheet, with all work for calculations shown and
final answers round to two decimal places, and arrive at the Part-time & Distance
Education at Lakehead University by mail or fax by each specified due date.
Solutions to the assignments will be available online after the due date.

**Absolutely, NO late assignments under any circumstances will be accepted
past the specified due date. A mark of zero will be given.**

Solutions to assignments will be posted shortly after the due dates.

Final Examination: July 28, 2012 (Location and time TBA)
The final exam will be 3-hours in length**.** The exams will be proctored at the given
designated examination center. The Scheduling and Examinations are
responsible for the exam arrangements. This office will inform you of the time
and location of the exam. The details on examination policies are noted in the
Student Handbook.