Course Outline: STAT100 001 Fall 2013
Elementary Statistics for Applications
Tuesdays and Thursdays, 10:00-11:15 am RIC119
September 4 to December 4, 2013
Final Exam Dec 18th 2-5pm Location TBA

Instructor
Peter Douglas, CW 307.24
585-4346 (w), 525-8368 (h)
Email via UR Courses or at
douglas@uregina.ca

Office Hours
Tuesdays and Thursday 1:00-3:00 pm
Mondays 9:30 am-12 pm
Other times by appointment (note that I am off campus on Wednesdays and alternate Fridays)

Text: *Introduction to Probability and Statistics* (2nd Canadian Edition) by
Mendenhall, Beaver, Beaver, and Ahmed

Other Resources:
A class website will be maintained URCourses. This will contain electronic copies of assignments, solution sets and other items of interest.   There will be no paper handouts provided in class.

A Mathematics and Statistics Study Centre will be in place for the Fall 2013 semester and will operate out of CW 308 (the old Supplemental Instruction Room). This is a drop-in centre and there will be student assistants assigned to cover specific courses including STAT100. Each course will have at least 4.5 hours per week of time assigned in the Study Centre. A detailed schedule will be published on our web page at the URL http://www.uregina.ca/science/mathstat/for-students/help-centre.html in early September.

Overview
STAT100 provides an introduction to statistical methods. Topics covered include
- Descriptive statistics;
- The normal distribution;
- Basic techniques of statistical inference;
- Hypothesis tests for population means and proportions;
- Confidence intervals for population means and proportions;
- One-way analysis of variance; and
- Simple linear regression.

Course Requirements
1) An awareness of the U of R General Calendar.

2) Students are assumed to have a working knowledge of high school mathematics as covered under the prerequisites for this class.

3) Five in class quizzes scheduled for September 17, October 1, October 15, November 12, and November 26th.

4) There will not be any marked assignment for this course. However, each week a set of practice questions will be assigned. It is strongly suggested that students complete these questions.

5) One midterm exam to be written in class time on Tuesday October 29th.

6) One 3-hour final exam scheduled for Wednesday December 18, 2-5 pm (location to be announced). This will be a common final for four STAT100 sections.

7) A class schedule will be maintained on UR Courses. This will be updated during the term as required.

8) Alternate arrangements for midterm and final exams may be made at the discretion of the instructor for students who provide prior notice and adequate documentation. However, the instructor reserves the right to deny such arrangements for students who have not completed the course assignments to date.

9) For the quizzes, midterm and final exams, students are required to bring photo ID and a non-programmable pocket calculator. Students should note that the instructor will not provide calculators for the midterm or final exam. Programmable calculators, laptop PCs and other electronic devices will not be permitted in the exams room.

10) The instructor will provide a set of formulas for the quizzes, the midterm and final exam. Students may alternately supply a home made set of formulas provided these are no larger than a 2-sided 8*11 sheet. The instructor will also provide a set of statistical tables for these quizzes and exams. No other external materials may be used during these exams.

Grading
Final grades will be based in on the average calculated as follows:
1) Quizzes 20% (based on the best 4 quizzes results)
2) Midterm 30%
3) Final Exam 50%

The instructor reserves the right to
a)   Fail a student who does not pass the final exam
b)   Refuse to allow a deferred final to a student who has not completed the requirements of the course, or who does not receive a passing average for the midterm.