

QUEEN'S UNIVERSITY
STAT 267/367 Engineering Statistics
Winter, 2009

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Text: *Engineering Statistics* 4th Edition, by D.L. Montgomery, et al.
Minitab statistical software, bundled with the text.

Marking scheme: Weekly WebCT quizzes	10%
Midterm test:	30%
Final exam.	60%

Approved calculator and one standard page of formula/notes allowed for term test; approved calculator and two standard pages of formula/notes allowed for final exam. Programmable and/or graphing calculators are not allowed. You can write on both sides of formula sheets. **The text book may not be brought to either the term test or exam.**

The two quizzes with the lowest marks will be dropped when calculating the quiz portion of the final grade.

You can logon to the course **WebCT** site at www.its.queensu.ca/webct. Quizzes and suggested homework questions and solutions will be posted on this site as well as course information (this handout for example), a discussion board, and the PowerPoint presentations used in class. Note that this course is offered out of the Department of Mathematics and Statistics in the Faculty of Arts and Science, and therefore the WebCT site is not in the Faculty of Applied Science domain.

The course will follow the textbook closely, omitting Sections 4-9, 5-8.2 and Chapter 7.

Course Topics:

Chapter	Topics
1	The Role of Statistics in Engineering
2	Data Summary and Presentation
3	Random Variables and Probability Distributions
4	Decision Making for a Single Sample
5	Decision Making for Two Samples
6	Building Empirical Models
7	OMIT
8	Statistical Quality Control