STATISTICS 220

Fall Term, 2005

This course is entitled *Introduction to Statistical Methods 1*; although it can be taken on its own, it is better considered, in conjunction with Statistics 221, as part of a larger whole.

TEXT: Recommended – Moore, D.S. & McCabe, G.P. *Introduction to the Practice of Statistics*. W. H. Freeman & Co., Third Edition, 1998. Nineteen copies are on 3-day reserve in the Davis Centre Library. [Call no. UWD 1589]

TOPICS: An overview of the course content, in nine Parts, and its approximate timing are given on the facing page 0.2; the Text reference(s) to these topics are as follows:

Topic(s)	Text Reference(s)	Topic(s)	Text Reference(s)
Part 1	What is Statistics? (pp. xxv-xxvii)	Part 6	Sections 5.2, 6.1
Part 2	Section 1.1	Part 7	Chapter 4, Section 5.1
Part 3	Section 1.1	Part 8	Section 3.3
Part 4	Section 1.2	Part 9	Sections 2.1, 2.2, 2.7, 3.1, 3.2, 3.4
Part 5	Section 1.3		

A substantial part of the remainder of the Text is covered in the four Parts of Statistics 221.

To assist with the coverage of these topics, extensive Course Materials are available for purchase in the Pixel Planet, MC 2018 (at around $35 for the term, including PST and GST). These materials are needed starting in the *first* class of the course. The Text is intended to *complement* the lectures and Course Materials by providing a second perspective on topics that are covered in these two places and by extending some topics. Students are urged to read the relevant sections of the Course Materials and the Text as, or *before*, topics are discussed in class.

INSTRUCTOR: Winston H. Cherry, Department of Statistics & Actuarial Science; office MC 6153, telephone 888-4567, ext. 5507.

OFFICE HOURS: Monday ,Tuesday and Wednesday, 2.00 to 3.00 p.m.; other times by appointment if *really* necessary. Students are expected to make proper use of their scheduled tutorial time for assistance with assignment problems; be *sure* to bring your *written* attempts to solve problem(s) when you seek help.

MISSED CLASSES: If you are absent from a class, it is *your* responsibility to find out, without delay, from a friend in the course about any announcements or handouts, as well as about the course material you have missed; only *documented* medical or other serious personal reasons provide grounds for an exception to this policy.

ASSIGNMENTS: There will be six (6) assignments with the following due dates:

#1:	Wednesday of week 3 of term;	#4:	Friday of week 9 of term;
#2:	Friday of week 5 of term;	#5:	Friday of week 11 of term;
#3:	Friday of week 7 of term;	#6:	Monday of week 13 of term.

Submission time for assignments is no later than the end of class 9.20 a.m.) on the due day.

To simplify assessment of assigments, they will be given an *overall* grade on a 10-point scale (1, 2, ..., 10) with no half marks.

QUIZZES: Wednesday, October 19 (week 6 of term) from 4.30 p.m. to 6.20 p.m. and Wednesday, November 16 (week 10 of term) from 4.30 p.m. to 6.20 p.m. The room(s) for the quizzes will be announced later; students are asked to sit in *alternate* seats in the quiz room(s).

No formula sheet is permitted for the *first* quiz, which covers up to the end of Assignment 2; up to *one* side of *handwritten* material on 8½×11 inch paper is allowed for the *second* quiz, which covers up to the end of Assignment 4.

Aids that should *always* be brought to tests are a calculator and *loose* copies of statistical tables (normal, *t*).

Check for conflicts of the quizzes with your other courses – the quiz time slots for STAT 220 were not put on to Quest until late August.

ASSESSMENT: Three components determine each student's grade in STAT 220; these components and their weighting, which is determined by a student's final examination mark, are shown at the right. It is normally necessary to pass the final examination to pass the course.

EXAM MARK (%)	WEIGHTING FACTOR (%) FOR: Assignments	Quizzes	Final Exam
[0- 40]	0	15, 15	70
(40- 50)	5	15, 15	65
[50- 60)	10	15, 15	60
[60-100]	better of 20	15, 15	50
	better of 10	7½, 7½	75

(*continued overleaf*)

EXAMINATION: The final examination will be of 3 hours' duration, and will be held in the regular examination period (December 8 to 22); it covers *all* the course material. The permitted aids are a calculator, statistical tables (*loose* copies of normal and *t*), and a formula sheet comprising not more than *two* sides of *hand-written* material on 8½×11 inch paper.

WEB SITE: The course is on Angel at: http://www.uwace.uwaterloo.ca

COMPUTER ACCOUNTS: Although all mathematics undergraduates have access to Mathematics Faculty Computing Facility accounts, the nature of the topics and problems in this course is such that no computing resources have been requested specifically for it.

2005-08-20