

COURSE INFORMATION SHEET
FALL 2009

- Course:** STATISTICS 213 -- Introduction to Statistics I
Lecture/Time: Lecture 06 10:30 to 11:45 Mondays and Wednesdays
Instructor: Dr. G. Chen
Office/Phone/Email: MS524 403 220 3961 gchen@math.ucalgary.ca
- Prerequisites:** **Pure Mathematics 30 or Mathematics II (offered by Continuing Education)**
NOTE: The Faculty of Science policy on pre- and co-requisite checking is outlined in the current University Calendar (see www.ucalgary.ca/pubs/calendar) *Faculty of Science, section 5C*. **It is the students' responsibility to ensure that they have the pre- and co-requisites for the course, and if they do not they will be withdrawn from the course without notice.**
- Fee policy:** After the last day to drop/add courses, there will be no refund of tuition fees if a student withdraws from a course, courses or the session.
- Academic Accommodations:** It is the student's responsibility to request academic accommodations. A student with a documented disability who may require academic accommodation must register with the Disability Resource Centre to be eligible for formal academic accommodation. DRC registered students are required to discuss their needs with the instructor no later than fourteen (14) days after the start of this course.
- The University policy on grading and related matters** is described in the current University Calendar, *Academic Standings*. In determining the overall grade in the course, the following weights will be used:

| | | |
|--------------|---------------------------------|------|
| Quizzes | [5 quizzes, count the best 4] | 40 % |
| Midterm Test | [1] | 15 % |
| Final Exam | | 45 % |

A passing grade on the final examination is essential to passing the course as a whole. There will be a final examination scheduled by the Registrar's Office. **The use of aids such as open book, laptop computer, etc. Are not permitted.**
- Missed Components of Term Work.** The regulations of the Faculty of Science pertaining to this matter are outlined in the current University Calendar, *Faculty of Science, section 6A*. It is the student's responsibility to be familiar with these regulations.
- Academic misconduct** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the current University Calendar. See: <http://www.ucalgary.ca/honesty/>
- Dates and times of class exercises held outside of class hours (evening tests, Saturday laboratory examinations, weekend field trips, etc.):**
****THERE WILL BE NO OUT-OF-CLASS-TIME ACTIVITY.****

REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME ACTIVITY. **If you have a conflict with this out of class time activity, please inform your instructor at least one week in advance of the activity so that other arrangements may be made for you.**

9. The **required textbook** for this course is:

Statistics, 11th Edition

By
McClave and Sincich
Pearson, 2009.

10. There are

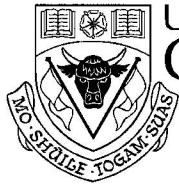
five quizzes of 30 minutes each to be written in lab times,
a 50-minute midterm test to be written on **Wednesday, October 21** during the lecture time,
a two-hour final examination to be scheduled by the Registrar's Office.

The quizzes, the midterm test and the final examination are **all closed-book**.

11. **A calculator** is the only aid you can bring to write the quizzes. **A calculator and a two-sided 8.5" by 11" sheet of formula information** are the only aids you can bring to write the midterm test and the final examination. Lab computers and necessary statistical tables will be provided if needed.
12. **You are responsible for the materials presented in class according to the curriculum that may not be covered by the textbook.**
13. Beside lectures and labs, a **continuous tutorial** has been scheduled on each weekday in room **MS 571** to give you more help. The times are: **M 11-14:00, T 12-16:00, W 11-15:00, R 12-15:00, F 12-14:00.**
14. Students have to use **UCIT account** to be able to use computers in MS515, MS521 and MS571. Such accounts can be applied from the university web at www.ucalgary.ca/it, 2nd floor of the library or the 7th floor of MS building.
15. **Important dates for Fall 2009:** (*For quizzes the time given below is the first day of the week in which you have a lab*)

| | | |
|-----------------------|---------------------------------|-----------------------------------|
| September 8 | Tuesday | Lectures Begin |
| September 14 | Monday | Labs Begin |
| September 21 | | Quiz #1 |
| October 5 | | Quiz #2 |
| October 12 | Monday | Thanksgiving Day, no lecture |
| October 21 | Wednesday | Midterm Test, Room ICT 121 |
| November 2 | | Quiz #3 |
| November 11-15 | Wednesday through Sunday | Reading Days, no lectures |
| November 16 | | Quiz #4 |
| November 30 | | Quiz #5 |
| December 8 | Tuesday | Last Day of Lectures |
| December 11-21 | | Final Exam Period |

16. **Make sure that you go to the right lab to write your quizzes.**
There is absolutely no switching between labs, and the TA's are not responsible for any missing/wrong marks due to your switch.
17. **Good luck!**



STATISTICS 213
"STATISTICAL METHODS I"

Calendar Description: H(3-2)

Collection and presentation of data, introduction to probability, including Bayes' law, expectations and distributions. Properties of the normal curve. Introduction to estimation and hypothesis testing.

Prerequisite: Mathematics 30 or Pure Mathematics 30 or Math II (Continuing Education).

Syllabus

Topics

Number of hours

Table with 2 columns: Topics and Number of hours. Rows include: EXPLORATORY DATA ANALYSIS (Chapter 2, 5 hours), REGRESSION AND CORRELATION (Chapter 2 Section 2.9, 2 hours), INTRODUCTION TO PROBABILITY (Chapter 3, 4 hours), CONDITIONAL PROBABILITY (Chapter 3, 3 hours), RANDOM VARIABLES (Chapter 4, 3 hours), DISCRETE DISTRIBUTIONS (Chapter 4, 3 hours), EXPECTATIONS AND VARIANCES (Chapter 4, 6 hours), CONTINUOUS RANDOM VARIABLES (Chapter 5, 5 hours), SAMPLING DISTRIBUTIONS (Chapter 6, 2 hours), ESTIMATION AND HYPOTHESIS TESTING (Chapters 7 & 8, 3 hours).

TOTAL HOURS 36
