

COURSE OUTLINE

FALL 2010

1. **Course ID and number:** STAT 213 **Course Title:** Introduction To Statistics I
Lecture/Time: L04 - Monday Wednesday Friday 13:00 – 13:50
Instructor/Office/Phone/Email: G. Chen MS524 403 220 3961 gchen@math.ucalgary.ca
Office Hours: To Be Announced
Course Website or Blackboard course name: <http://math.ucalgary.ca/courses/f10/STAT213/LEC4>

2. **Prerequisites:** Pure Mathematics 30 or Mathematics II (offered by Continuing Education)
(see Section 3.5C of Faculty of Science www.ucalgary.ca/pubs/calendar/current/sc-3-5.html
and Course Descriptions: www.ucalgary.ca/pubs/calendar/current/course-desc-main.html)

3. **Grading:** The University policy on grading and related matters is described in sections F.1 and F.2 of the online University Calendar. In determining the overall grade in the course, the following weights will be used:

Quizzes	[Best 4 out of 5]	35 %
Midterm Test	[1]	20 % (Wednesday, October 27)
Final Exam		45 % (To be scheduled by the Registrar)

The various components above will be assigned a percentage score and will be combined with the indicated weights to produce an overall percentage in the course. The conversion table between course percentage and letter grade will be provided at least one week before the withdrawal deadline.

A passing grade in the Final Examination (a mark of at least 50%) is *required* for an overall grade of C- or better.

4. **Missed Components of Term Work.** The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in section 3.6: www.ucalgary.ca/pubs/calendar/current/sc-3-6.htm. It is the student's responsibility to be familiar with these regulations. See also www.ucalgary.ca/pubs/calendar/current/e-3.html.

5. **REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME ACTIVITY.** If you have a conflict with any 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.

6. **Textbook:** *Statistics, 11th Edition*, by McClave and Sincich, Pearson, 2009 (**required**)

7. **Examination Policy:** *All quizzes, midterm and final will be closed book.* Formula sheets, or written/verbal aids of any kind are prohibited in quizzes. A single-paged formula sheet is allowed for the Midterm Exam and the Final Exam. Programmable/graphing calculators are NOT allowed during the writing of ANY of the term components. A basic scientific calculator, however, will be required. Students should also read the Calendar, Section G, on Examinations: www.ucalgary.ca/pubs/calendar/current/g.html

8. OTHER IMPORTANT INFORMATION FOR STUDENTS:

- (a) **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 University Calendar under K. Student Misconduct (<http://www.ucalgary.ca/pubs/calendar/current/k.html>) to inform yourself of definitions, processes and penalties
- (b) **ASSEMBLY POINTS** in case of emergency during class time. Be sure to **FAMILIARIZE YOURSELF** with the information at <http://www.ucalgary.ca/emergencyplan/assemblypoints>.
- (c) **ACADEMIC ACCOMMODATION POLICY.** Students with documentable disabilities are referred to the following links:
Calendar entry on students with disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html>
Disability Resource Centre: <http://www.ucalgary.ca/drc/>

- (d) **SAFEWALK:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call **220-5333** for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (e) **FREEDOM OF INFORMATION AND PRIVACY:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). As one consequence, **students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page.** For more information see also <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **STUDENT UNION INFORMATION:** VP Academic **Phone:** 220-3911 **Email:** suvpaca@ucalgary.ca.
 SU Faculty Rep. **Phone:** 220-3913 **Email:** sciencerep@su.ucalgary.ca **Website** www.su.ucalgary.ca/home/contact.html.
 Student Ombudsman: <http://www.su.ucalgary.ca/services/student-services/student-rights.html>
- (g) **INTERNET and ELECTRONIC COMMUNICATION DEVICE Information.** You can assume that in all classes that you attend, **your cell phone should be turned off.** Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.

9. 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 27** during the lecture time,
a two-hour final examination to be scheduled by the Registrar's Office.

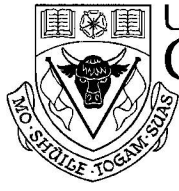
The quizzes, the midterm test and the final examination are **all closed-book**.

- 10. A **non-programmable/graphing calculator** is the only aid you can bring to write the quizzes. A **non-programmable/graphing 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.
- 11. **You are responsible for the materials presented in class according to the curriculum that may not be covered by the textbook.**
- 12. **Important dates for Fall 2010:** *(For quizzes the time given below is the first day of the week in which you have a lab)*

September 13	Monday	Lectures Begin
September 20	Monday	Labs Begin
September 27		Quiz #1
October 12		Quiz #2
October 11	Monday	Thanksgiving Day, no lecture
October 27	Wednesday	Midterm Test, in A142
November 15		Quiz #3
November 11-14	Thursday through Sunday	Reading Days, no lectures
November 22		Quiz #4
December 6		Quiz #5
December 10	Friday	Last Day of Lectures
December 13-22		Final Exam Period

13. 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.

14. 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

Table with 2 columns: Topics and Number of hours. Topics include Exploratory Data Analysis, Regression and Correlation, Introduction to Probability, Conditional Probability, Random Variables, Discrete Distributions, Expectations and Variances, Continuous Random Variables, Sampling Distributions, and Estimation and Hypothesis Testing. Total hours sum to 36.
