

**COURSE OUTLINE WINTER 2014**

1. **Course:** STAT 519/619 Bayesian Statistics

<b>Lec</b>	<b>Day</b>	<b>Time</b>	<b>Instructor</b>	<b>Office</b>	<b>Email</b>	<b>Office Hours</b>
01	MWF	13:00	D.P.M. Scollnik	MS 324	scollnik@ucalgary.ca	TBA

Department of Mathematics and Statistics – MS476 Telephone number – 403-220-5210

2. **Prerequisites:** (Statistics 323 or Mathematics 323; and Mathematics 353 or 381; or consent of the Division. Notes: Statistics 421 is highly recommended as preparation. (See Section 3.5C of Faculty of Science [www.ucalgary.ca/pubs/calendar/current/sc-3-5.html](http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html) and Course Descriptions: [www.ucalgary.ca/pubs/calendar/current/course-desc-main.html](http://www.ucalgary.ca/pubs/calendar/current/course-desc-main.html))
3. **Grading:** The University policy on grading and related matters is described 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:

Assignments	25%
Term test (1)	25% (TBA: March 12 or 14)
Class participation	10%
Term project	40%

The in class term test may include a take home component (e.g. a data analysis assigned in class on March 12 and due on March 14).

The term project will consist of a report that includes a literature review and data analysis. STAT 619 students will be expected to make a classroom presentation, and STAT 519 students may optionally elect to do so (class time permitting).

A passing grade in each component is essential if the student is to pass the course as a whole.

Each piece of work submitted by the student will be assigned a percentage score. The student's average percentage score for the various components listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade. The conversion between course percentage and letter grade is given below:

<b>Letter Grade Conversions</b>	
<b>Letter Grade</b>	<b>% range</b>
A+	>95
A	88–94.5
A-	84–87.5
B+	80–83.5
B	76–79.5
B-	72–75.5
C+	68–71.5
C	64–67.5
C-	60–63.5
D+	55–59.5
D	50–54.5
F	<50

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. It is the student's responsibility to familiarize himself/herself with these regulations. See also Section E.6 of the University Calendar
5. **There are no out-of-class time events scheduled for this class.**  
**REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME-ACTIVITY.** If you have a clash with this out-of-class-time-activity, please inform your instructor as soon as possible so that alternative arrangements may be made for you. [Delete #5 if no out of class activity]
6. **Course Materials:** "Bayesian Data Analysis 3<sup>rd</sup> edition" by Gelman et al. – sold in the University Bookstore.
7. **Examination Policy:** Closed book. Students should read the Calendar, Section G, on Examinations.
8. **Approved Mandatory and Optional Course Supplemental Fees:** None.
9. **Writing across the curriculum statement:** e.g. In this course, the quality of the student's writing in reports etc. will be a factor in the evaluation of those reports. See also Section E.2 of the University Calendar.
10. **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 Section K. Student Misconduct 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 on assembly points.
  - (c) **Academic Accommodation Policy:** Students with documentable disabilities are referred to the following links: Calendar entry on students with disabilities and Student Accessibility Services. MSC452 Phone: 220-8237
  - (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](mailto:suvpaca@ucalgary.ca)  
SU Faculty Rep. Phone: 220-3913 Email: [sciencerep@su.ucalgary.ca](mailto:sciencerep@su.ucalgary.ca)  
Student Ombudsman Phone: 220-6420 Email: [ombuds@ucalgary.ca](mailto:ombuds@ucalgary.ca)
  - (g) **Internet and Electronic Device Information:** You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. 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.