DEPARTMENT OF Mathematics and Statistics
COURSE OUTLINE

1. **Course:** Course ID and number, Course Title: Stat 531-L01, Monte Carlo Method and Stat Computing
   Lecture Sections:
   L01: TR, 9:30-10:45, MS 427, Tutorial Lab: R, 11:00-11:50, MS 571.
   Instructor, Xuewen Lu, Office, MS 540, Tel. No., 403-220-6620, e-mail address, lux@math.ucalgary.ca.
   Office Hours: TR: 14:00-15:00

   Course website or Desire 2 Learn (D2L) course name: TBA

2. **Prerequisites:** (as in Calendar entry for course – use the URL as well)
   (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 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:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes (3)</td>
<td>60%</td>
</tr>
<tr>
<td>Midterm test (2)</td>
<td>40%</td>
</tr>
<tr>
<td>(Oct. 16 and Nov. 20, Thursdays)</td>
<td></td>
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</tbody>
</table>

   Each piece of work (assignment, laboratory report, midterm test or final examination 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 in the
   table. As noted in the Calendar, this conversion table could be adjusted, but only if the grades of the students will not
   be lowered.

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>% range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>&gt;95</td>
</tr>
<tr>
<td>A</td>
<td>88–94.5</td>
</tr>
<tr>
<td>A-</td>
<td>84–87.5</td>
</tr>
<tr>
<td>B+</td>
<td>80–83.5</td>
</tr>
<tr>
<td>B</td>
<td>76–79.5</td>
</tr>
<tr>
<td>B-</td>
<td>72–75.5</td>
</tr>
<tr>
<td>C+</td>
<td>68–71.5</td>
</tr>
<tr>
<td>C</td>
<td>64–67.5</td>
</tr>
<tr>
<td>C-</td>
<td>60–63.5</td>
</tr>
<tr>
<td>D+</td>
<td>55–59.5</td>
</tr>
<tr>
<td>D</td>
<td>50–54.5</td>
</tr>
<tr>
<td>F</td>
<td>&lt;50</td>
</tr>
</tbody>
</table>

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. [if relevant] **Scheduled out-of-class activities:** Dates and times of approved class activities held outside of class
   hours. Not relevant.

6. **Course Materials:** “Introducing Monte Carlo Methods with R” (2010), by Robert and Casella, Springer. – sold in
   the University Bookstore.

7. **Examination Policy:** All quizzes, midterm test and final exams are closed-book. Calculators are permitted, and the
   use of any other materials, such as books, notes, internet, emails and cell phones, is prohibited.
   Students should also read the Calendar, Section G, on Examinations.
Approved Mandatory and Optional Course Supplemental Fees: A list and description of approved optional and mandatory course fees. Not relevant.

Writing across the curriculum statement: e.g. “In this course, the quality of the student’s writing in laboratory reports will a factor in the evaluation of those reports. See also Section E.2 of the University Calendar. Not relevant.

Human studies statement: indicating whether students in the course may be expected to participate as subjects or researchers. See also Section E.5 of the University Calendar. Not relevant.

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.

(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) 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.

(h) Student Union Information: VP Academic Phone: 220-3911 Email: suvpaca@ucalgary.ca. SU Faculty Rep. Phone: 220-3913 Email: sciencerep@su.ucalgary.ca; Student Ombudsman

(i) At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses (www.ucalgary.ca/usri). Your responses make a difference - please participate in USRI Surveys.