STAT 3400
INTRODUCTION TO PROBABILITY II
FALL 2014

Instructor: Dr. Yuliya V. Martsynyuk
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Office Hours: Monday and Friday 10:30 am – noon, or by appointment

Prerequisites: STAT 2400 (with a grade of C or better), and a co-requisite of MATH 2720 (or 2721) or MATH 2730 (or 2731).

Text: Weiss, N.A. (2006), *A Course in Probability,* Pearson Ed. (Addison-Wesley).
　　note: reserved copy of the text is available in the Science Library

Lectures: Monday, Wednesday and Friday 9:30 am -- 10:20 am in 527 Buller Building

- attendance is mandatory
- textbook will be followed in chronological order, with some topics abbreviated or omitted
- selected problems from the text will be solved in class, and some will be assigned for you to practice (no credit homework)

Labs: Monday 2:30 pm -- 3:45 pm in 527 Buller Building

- Lab demonstrator: Elaheh Torkashvand, torkashe@cc.umanitoba.ca
- first lab is on September 8, 2014
- attendance is mandatory
- selected problems from the textbook will be solved

Mid-terms: There will be two 75-minute closed book mid-term tests that will be held during the lab hours. The approximate dates of these tests are October 6, 2014 and November 10, 2014. The exact dates and locations of the mid-terms will be announced in advance in class. An approximate breakdown of the textbook material covered by each of these tests is as follows: mid-term 1-Chapters 8 and 9 and mid-term 2-Chapters 9 and 10. The test problems will be strongly related to those that are solved in class during the lectures and labs, and also those that are on your homework.
　　Note: no makeup, early or delayed mid-terms in this course

Evaluation: Final grade is based on:
　　　　Term Work (50%): mid-term 1 (25%) + mid-term 2 (25%)
　　　　Final Exam (50%): two-hour closed book exam based on the whole term

Course outline: Chapter 8-Continuous Random Variables and Their Distributions; Chapter 9-Jointly Continuous Random Variables; Chapter 10-Expected Value of Continuous Random Variables; Chapter 11-Generating Functions and Limit Theorems; other topics as time permits.

Note: the above is only an approximate outline. It is your responsibility to keep up with what is being done in class and with any changes announced in class.

Voluntary Withdrawal: The voluntary withdrawal deadline is November 12, 2014.

Academic Dishonesty: It is important that you understand what constitutes academic dishonesty and that you are familiar with the very serious consequences. Links to resources that describe academic dishonesty (including plagiarism, cheating, inappropriate collaboration and examination impersonation) can be found at:

http://www.umanitoba.ca/faculties/science/undergrad/resources/webdisciplinedocuments.html

or through the Faculty of Science home page at:

http://www.umanitoba.ca/faculties/science

Typical penalties imposed within the Faculty of Science for academic dishonesty are also described.

Registration Advisory: *Important Note from the Dean of Science:* It is your responsibility to ensure that you are entitled to be registered in this course. This means that you have:
- the appropriate prerequisites, as noted in the calendar description, or have permission from the instructor to waive these prerequisites;
- not previously taken, or are concurrently registered in, this course and another that has been identified as "not to be held with" in the course description. For example, STAT 1000 cannot be held for credit with STAT 2220.

The registration system may have allowed you to register in this course, but it is your responsibility to check. If you are not entitled to be in this course, you will be withdrawn, or the course may not be used in your degree program. There will be no fee adjustment. This is not appealable. Please be sure to read the course description for this and every course in which you are registered.

Pandemic Advisory: Should major disruptions to university activities occur as a result of a pandemic, the course content, evaluation, and other provisions of this document may be adjusted as the circumstances warrant.

EXPLORER INNOVATOR PIONEER ADVENTURER VISIONARY TRAILBLAZER

IN THE CASE OF A FIRE ALARM:

- REMAIN CALM
- IF IT IS SAFE, EVACUATE THE CLASSROOM OR LAB
- GO TO THE CLOSEST FIRE EXIT
- DO NOT USE THE ELEVATORS
  IF YOU NEED ASSISTANCE TO EVACUATE THE BUILDING, INFORM THE INSTRUCTOR NOW
- IF YOU NEED TO REPORT AN INCIDENT OR A PERSON LEFT BEHIND DURING A BUILDING EVACUATION, CALL
  SECURITY SERVICES **204-474-9341**

- **DO NOT REENTER THE BUILDING**
  UNTIL THE **"ALL CLEAR"** IS DECLARED BY A FIRE WARDEN, SECURITY SERVICES OR THE FIRE DEPARTMENT

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