STAT 2655 – Introduction to Probability with Applications  

FALL 2019

Instructor  
Dr. Jason D. Nielsen

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Office Hours  
Tuesday 12:00-13:00 or by appointment

Text  
*Mathematical Statistics with Applications*, 7th Edition  
Dennis Wackerly, William Mendenhall and Richard L. Scheaffer

Lectures  
Tuesday and Thursday 10:05-11:25 in SA 520

Tutorial  
Beginning on Sept. 17  
A1: Tuesday 17:35-18:25 in SA 309

Grading  
Assignments: 26 %  
Term Tests: 24 %  
Final: 50 %  

In order to pass the course you must obtain a cumulative mark of at least 50% and no less than 40% on any one of the above components.

Assignments  
Four assignments will be passed out and handed in during lectures. Due dates will be announced in class and posted on cuLearn.

Term Tests  
Two term tests will be given in class on:  
- Tuesday Oct. 8  
- Tuesday Nov. 12

A non-programmable calculator may be used.

Final  
A cumulative final will be given during the examination period (TBA).

Course Outline  
The course will consider the basic concepts, theory and applications of probability. Topics to be covered may include the axioms of probability, basic combinatorial analysis, conditional probability and independence, discrete and continuous random variables, joint and conditional distributions, expectation, central limit theorem, sampling distributions and simulation.
Academic Integrity Policy

https://carleton.ca/registrar/academic-integrity.

Academic Accommodation

You may need special arrangements to meet your academic obligations during the term. For an accommodation request the processes are as follows:

Pregnancy obligation: write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details see the Student Guide.

Religious obligation: write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details see the Student Guide.

Students with Disabilities: The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or pmc@carleton.ca for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website (http://carleton.ca/pmc) for the deadline to request accommodations for the formally-scheduled exam (if applicable).