



## COURSE OUTLINE: STAT3150 - STATS AND DATA

Prepared: Jessica Dugas

Approved: Bob Chapman, Dean, Health

<b>Course Code: Title</b>	STAT3150: STATISTICS AND DATA ANALYSIS
<b>Program Number: Name</b>	3401: HONOURS BSCN
<b>Department:</b>	BSCN - NURSING
<b>Academic Year:</b>	2024-2025
<b>Course Description:</b>	This introductory course provides students with the basic concepts of data analysis and statistical computing. Technology and statistical literacy will be integrated to prepare them to address problems that involve collecting, measuring, analyzing, comparing and presenting data sets in a clear and meaningful way.
<b>Total Credits:</b>	3
<b>Hours/Week:</b>	3
<b>Total Hours:</b>	36
<b>Prerequisites:</b>	There are no pre-requisites for this course.
<b>Corequisites:</b>	BSCN3102
<b>Substitutes:</b>	HTH106
<b>This course is a pre-requisite for:</b>	BSCN4000, BSCN4001, BSCN4002, BSCN4010
<b>Vocational Learning Outcomes (VLO's) addressed in this course:</b>	<b>3401 - HONOURS BSCN</b> VLO 1 Meet professional practice requirements as identified in the current Entry-to-Practice Competencies and Professional Standards of the College of Nurses of Ontario. VLO 7 Utilize available technologies to communicate, educate, and provide appropriate care in a variety of contexts.
<b>Please refer to program web page for a complete listing of program outcomes where applicable.</b>	
<b>Course Evaluation:</b>	
<b>Other Course Evaluation &amp; Assessment Requirements:</b>	In addition to the assigned textbook, this course draws in the following resources: Current scholarly articles as assigned Full computer Internet and LMS access  Important note about course evaluation: Successful completion of this course is dependent on all assignments being completed and submitted. If this course has any components graded on a satisfactory/unsatisfactory grading scheme, each assignment must achieve a grade of satisfactory , in addition, a minimum cumulative grade of 65% is required to pass the course.



**Books and Required Resources:**

Statistics for Nursing: A Practical Approach with Navigate Advantage Access by Elizabeth Heavey  
 Publisher: Jones & Bartlett Learning Edition: 4th Canadian  
 ISBN: 9781284254907

**Course Outcomes and Learning Objectives:**

Course Outcome 1	Learning Objectives for Course Outcome 1
Reframe information, ideas, and concepts using the narrative, visual, numerical and symbolic representations which demonstrate an understanding of statistics using industry standards.	
Course Outcome 2	Learning Objectives for Course Outcome 2
Apply a wide variety of mathematical techniques to the degree of accuracy required to solve problems and make decisions using methods learned in the course.	
Course Outcome 3	Learning Objectives for Course Outcome 3
Evaluate the validity of arguments using qualitative and quantitative information in order to accept or challenge the findings of others.	

**Evaluation Process and Grading System:**

Evaluation Type	Evaluation Weight
Assignment 1	15%
Assignment 2	15%
Final Exam	20%
In-Class Activities	30%
Midterm Exam	20%

**Date:**

November 26, 2024

**Addendum:**

Please refer to the course outline addendum on the Learning Management System for further information.

