*Please note this is a sample course outline, you will be provided with a confirmed course outline with scheduling details on your first day of class.

**Lead Instructor:**  
Dr. Elaine Santa Mina

**Lead Instructor Phone:**  
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**Office and Hours:**  
POD 478 - Hours by appointment, schedule by email please

Every effort will be made to manage the course as stated. However, adjustments may be necessary at the discretion of the instructor. If so, students will be advised and alterations discussed in the class prior to implementation.

It is the responsibility of students to ensure that they understand the University’s policies and procedures, in particular those relating to course management and academic integrity. A list of relevant policies is included at the end of this outline.

**Course hours:** 3 hours per week  
**Pre-requisites:** CNUR 850

**COURSE DESCRIPTION:**

In this course the emphasis is on the preparation of statistical data, its analysis and interpretation within the context of the positivist research paradigm in nursing research. Descriptive and inferential statistics will be examined and utilized, from nursing research data bases. Students will use computer technology to process numerical data and conduct statistical analyses. Strategies for critically reviewing, integrating and disseminating statistical findings from nursing research will be discussed as well as the implications of the findings for nursing practice.
COURSE OBJECTIVE/LEARNING OUTCOMES:
By the end of this course the student will be able to:

1. To demonstrate an understanding of the analysis of statistical data within the context of the research process.

2. To be able to systematically conduct statistical analyses, with the use of Excel software, for nursing research questions.

3. To demonstrate an understanding of, and to critically appraise, the impact of statistical findings on clinical practice and evidence.

TEXTBOOK & READING LISTS:
Required Resources:


OR


Plus required peer reviewed articles for weekly critique.


Access to computers with Microsoft Office inclusive of Microsoft Word and Excel (2003, 07, or 10)
OTHER MATERIALS:
As such, all students must have regular access to a computer, with Microsoft office, inclusive of Microsoft Word software, and Excel 2003 plus the Internet.

NOTE: If you have not previously used excel software, then prior to this course, it is highly recommended that you read Salkind (2007) Chapters 1A and 1B in order to familiarize yourself with Excel 2003 software; ensure excel software is loaded correctly on your computer; and practice basic excel functions (e.g. sums) before statistics assignments begin.

METHOD OF INSTRUCTION:
This course is offered via three different modalities: 1) hybrid for full time day students and part time Continuing Education/Post Diploma Degree Program students, and 2) fully online for Canadian post diploma RNs only.

The use of computers and the internet for literature searches and literature management, and for communication, are essential basic skills for academic work, and they are particularly important in relation to the content and activities of a statistics course. As such, all students must have regular access to a computer, with Microsoft office, inclusive of Microsoft Word software, and Excel 2003, 07, or 10 plus the Internet. All students are expected to participate in online discussions and assignments. All versions of this course will be conducted through the Blackboard course management system.

METHOD AND SCHEDULE OF STUDENT EVALUATION:
Methods of Evaluation:

Seven (7), weekly mini statistics assignments: 20%
One (1) major statistics assignment: 30%

All statistics assignments are individual assignments. Do not share electronic or paper files with other students. Do not submit group prepared responses on assignments. Sharing of assignment answers may constitute academic misconduct. Group discussion of software applications to conduct analyses and statistical principles and applications are appropriate and encouraged.

Final Exam: 50%
NOTE:

Students must receive an overall, cumulative passing grade across the eight (8) statistics assignments of 63% (31.5/50) AND an overall passing grade on the final examination (31.5) in order to pass this course. Failing either the overall grade for the assignments or the final exam will result in an F in this course.

Evaluation: Online participation, assignments, tests, examinations, and papers.

Scheduled Hours:

1) Hybrid Version:
2) Distance Education Version:
   All components of the course contain a hybrid of conventional in-class and online course delivery modes. The online component is delivered via Blackboard course management system while scheduled in-class time may consist of a combination of lectures, tutorial, small group work, tests, and exams as determined by each instructor.

Post Diploma Distance Education Course: Online
   All components of the course consist of a fully online course delivery modality, via Blackboard.

Assignments: [a grade break down and the week that the exam or assignment will be due/or take place will suffice]

MISSED TERM WORK OR EXAMINATIONS:

Students are expected to complete all assignments, tests, and exams within the time frames and by the dates indicated in this outline. Exemption or deferral of an assignment, term test, or final examination is only permitted for a medical or personal emergency or due to religious observance (request must be received within the first two weeks of the course). The instructor must be notified by e-mail prior to the due date or test/exam date, or as soon as possible after the date, and the appropriate documentation must be submitted. For absence on medical or religious observance grounds, official forms may be downloaded from the Ryerson website at www.ryerson.ca/undergraduate/currentstudents/forms or picked up from The Chang School at Heaslip House, 297 Victoria St., Main Floor.

Mini stats assignment 1: Release Date: Week: 2, due date: week 3
Mini stats assignment 2: Release Date: Week: 3, due date: week 4
Mini stats assignment 3: Release Date: Week: 4, due date: week 5
Mini stats assignment 4: Release Date: Week: 5, due date: week 6
Mini stats assignment 5: Release Date: Week: 7, due date: week 8
Mini stats assignment 6: Release Date: Week: 8, due date: week 9

Mini stats assignment 7: Release Date: Week: 9, due date: week 10

Therefore Due Dates: week 3, 4, 5, 6, 8, 9, 10

Mini Stats Assignments: (total accumulative value = 20%;)

Major Stats Assignment 8:
Release date: week 10; due date week 11: 30%

NOTE:
Your total score across all 8 assignments must be a C (63% or 31.5/50) to pass this course.

Exam - During exam week for day section, otherwise Week 13 for Continuing Education section) 50% This multiple choice exam will consist of 80 questions, no calculations, and cover course material from the term. Approximately 10% of the questions will be derived from articles. Students must achieve a passing grade of 63% (31.5/50) on this exam in order to pass this course.

Expectations of Students


Course Policies:

1. **Student Code of Conduct:** Students must be familiar with and abide by all University and School of Nursing policies including the “Student Code of Academic Conduct”, the “Student Code of Non-Academic Conduct” and “Professional Conduct”. A student may be WITHDRAWN from the nursing program for reasons of unprofessional behaviour or professional misconduct.

2. All students are required to activate and maintain a Ryerson Matrix email account and access Ryerson mail on a regular basis.

3. Students need to inform faculty of any situation that arises during the semester which may have an adverse effect upon their academic performance and that they must request any necessary considerations (e.g. medical or compassionate), or accommodations [e.g. religious observance, disability (should be registered with the Access Centre), etc.] according to policies and well in advance. **Failure to do so will jeopardize any academic appeals.**

4. **Turnitin**, an electronic plagiarism detection service, may be used. Students who do not want their work submitted to this plagiarism detection service must, by the end of the second week of class, consult with the instructor to make alternate arrangements. When an instructor has reason to suspect that an individual piece of work has been plagiarized, the instructor shall be permitted to submit that work to any plagiarism detection service.
You will be expected to submit your paper through the turnitin system. Details of how to submit your paper will be provided in week 1.

5. All students enrolled in the Post Diploma Degree Completion Program in Nursing must have valid or pending registration with the College of Nurses of Ontario (CNO). Students are required to notify the School of Nursing of any change in CNO registration status. Failure to attain/maintain CNO registration will result in WITHDRAWAL from the Nursing course(s) and a REQUIRED TO WITHDRAW status from the program. The exception to the policy of CNO registration are those students from an approved bridging program.

6. Requests for accommodation of specific religious or spiritual observance must be presented to the instructor no later than two weeks prior to the conflict in question (in the case of final examinations within two weeks of the release of the examination schedule). In extenuating circumstances this deadline may be extended. If the dates are not known well in advance because they are linked to other conditions, requests should be submitted as soon as possible in advance of the required observance. Given that timely requests will prevent difficulties with arranging constructive accommodations, students are strongly encouraged to notify instructors of an observance accommodation issue within the first two weeks of classes. To facilitate timely requests and decision making, the University will take all practical steps to ensure that students and instructors are aware of the policy and related observance issues.

7. All policies can be found at www.ryerson.ca/acadcouncil

Students are expected to be familiar with all University and School of Nursing policies concerning academic performance (e.g. academic misconduct, submission of late assignments, etc.) and academic integrity. Please refer to the Post Diploma Degree Nursing Program Student Handbook and to the Ryerson University Calendar for detailed information regarding academic policies and integrity.

Professionalism in our Learning Community

Students and faculty within the school of nursing are colleagues in nursing. All members of our learning community are expected to act with professionalism and academic integrity. Honesty is the basic hallmark of academic integrity (http://www.ryerson.ca/~acadpol/policies.html). Community members are expected to credit others’ ideas in written work, make a fair contribution to group work, and behave with integrity during tests and exams. Trust, respect and fairness are values that underpin effective collaboration and life-long learning (The Center for Academic Integrity, 1999). The Ryerson, Centennial, George Brown Collaborative Nursing Degree program and The Ryerson Post RN Nursing Degree Program expect students to listen to one another’s viewpoints and to be respectful in communication. Students are required to attend all classes and labs, to be prepared, to be on time and to give adequate notice if circumstances prevent them from attending. Positive collegial professional relationships between students and faculty members contribute to excellence in both nursing education and nursing practice.

“The Recipient of Health Care is Considered the End Goal of Nursing Education” (Final Candidacy Report, 2004, p. 13).

Students with disabilities that require academic adaptations or services may discuss their needs with the course instructor and/or contact the Student Services Access Centre 285 Victoria Street, BUS-lower level and 350 Victoria Street, JOR-300 phone: (416) 979-5290 (voice), (416) 979-5274 (TDD/TTY), fax: (416) 979-5094 e-mail: accesctr@ryerson.ca Those with learning disabilities or attention deficit disorders may contact the Access Centre Annex at 55 Gould St., lower level, also at (416) 979-5290.

Note: Promotion Policies
Students must achieve a grade of 'C' or above in all nursing theory and practice courses (all NCL, NUC, NUR courses) in order to be eligible to enroll in nursing courses in subsequent semesters.

Students who earn a grade of 'C-' or below in any nursing theory or practice course will be given a PROBATIONARY Standing regardless of their overall GPA.

Students will remain on PROBATION until they receive a grade of 'C' or above in all nursing courses.

Students on PROBATION who earn a grade of 'C-' or below in a nursing theory course other than the nursing theory course(s) in which they previously obtained a grade of 'C-' or below, OR who receive a first time 'C-' or below in a nursing practice course, will be given a REQUIRED TO WITHDRAW status.

Students who receive a second grade of 'C-' or below in the same nursing theory course (either a repeated or subsequent practice course) will result in a PERMANENT PROGRAM WITHDRAWAL Standing. This variation will be enacted even when the student has taken less than three courses and has not acquired a cumulative grade point average.

At any point during the academic year, the School of Nursing reserves the right to terminate a student’s experience in a nursing practice setting when patterns of behaviour place self, clients or others at risk. This will result in the student receiving an 'F' grade for the course. In this circumstance, students shall have established rights of appeal; however, they cannot remain in the course while the appeal is underway. The appeal will be conducted promptly in order to protect students’ rights.

The student may be assigned PERMANENT PROGRAM WITHDRAWAL from the Nursing program for reasons of unprofessional behaviour or professional misconduct.

All nursing theory courses must be completed within five years of the prerequisite professional course. (For example, no more than five years can elapse between completion of Year 1 professional courses and enrollment in Year 2 professional courses.)