



Carleton
UNIVERSITY

Institute of Criminology and Criminal Justice

COURSE: CRCJ 3001A: Quantitative Research Methods

TERM: Early Summer 2022

PREREQUISITES: CRCJ 1000 and third year standing in the B.A. Honours program in Criminology and Criminal Justice

CLASS: Day & Time: Tuesdays & Thursdays, 2:35 – 5:35pm EST
Location: Zoom

INSTRUCTOR: Erica Chen (she/her)

CONTACT: Office By appointment
Hour:
Email: Erica.Chen@carleton.ca

Please note, you MUST use your Carleton email address in all correspondence with the instructor.

Course Description

This course offers students a general introduction to the principles and practices involved in the quantitative research process. Together, we will be discussing and reflecting upon a variety of topics, including defining and measuring constructs, selecting participants, ethics in the research process, reliability and validity, and formulating a hypothesis. To be properly prepared for lecture each week, it is necessary for students to complete the relevant readings *before* class.

Upon completion of this course, students should be able to:

- Differentiate between related quantitative concepts
- Design basic research studies
- Summarize, interpret, and critically evaluate quantitative research
- Understand and apply ethical principles when conducting research relating to underserved populations

Course structure

The class will be online synchronous. Lectures, course materials (syllabus, assignment details, and dropboxes for assignments) will also be available on Brightspace. It is your responsibility to go through the syllabus carefully and ensure that you make the time to get and read the material.

REQUIRED TEXTS:

Gravetter, F. J., & Forzano, L.A. B. (2018). *Research Methods for the Behavioral Sciences* (6 ed.). Wadsworth-Cengage Learning. ISBN-13: 978-1-305-10413-6

Walter, M. & Andersen, C. (2016). *Indigenous statistics: a Quantitative research methodology*. Routledge. <https://doi.org/10.4324/9781315426570>

Course Requirements and Assessment

<u>Assessment</u>	<u>Date of Evaluation</u>	<u>Weighting</u>
Participation/ Quizzes	Throughout the term	20%
Literature Review & Annotated Bibliography	May 26th, 2022	30%
Article Critique	June 16th, 2022	15%
Take home exam: Final Research Proposal	June 26th 2022	35%
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Total		100%

Note that all components must be completed in order to achieve a passing grade.

Participation/ Quizzes

Twenty percent (20%) of your grade will be based on your completion of short quizzes relating to course material (via Qualtrics). There will be twelve (12) in total, each worth 1.67%. These quizzes (3-5 multiple choice questions each) are designed to demonstrate understanding and engagement with the lecture material. Simply put, you will either receive 1.67% for attending lecture and completing the quiz, or 0% for not attending lecture and not completing the quiz. Note that you are expected to attend every class in order to complete the quiz and receive credit – there are NO make-ups for the quizzes. Links to each survey will be provided during class.

Literature Review & Annotated Bibliography

By the end of the course, each student will develop a research proposal that explores a criminological research question. The proposed study will identify a clear quantitative method of analysis. We will be working through your proposed study throughout the duration of the course.

The first stage involves developing a literature review (2-3 pages) and an annotated bibliography. The purpose of this bibliography is to identify previous research and thus demonstrate a working knowledge of your proposed study. You are required to find a minimum of seven (7) academic articles to include in your annotated bibliography. The annotated bibliography is due on May 26th. The literature review and annotated bibliography is worth 30% of your grade. Additional criteria will be provided early in the term.

Article Critique

Students will be required to read and critically evaluate one of two pre-selected empirical journal articles using the information learned throughout the course. A 7-page paper following APA formatting will be expected. The article critique is worth 15% of your grade. Additional criteria will be provided early in the term. The article critique is due on June 16th, 2022.

Take home exam: Final Research Proposal

The final research proposal is worth 35% of your final grade. The proposal should be written in an essay format (approximately 10-15 pages in length, double-spaced, not including the cover letter or bibliography). This assignment will thoroughly outline your research study. Your proposal will provide detailed information on your research topic, questions, methods, ethics and more. The aim of the proposal is to expand on your literature review and critically explore your research question.

You will:

- a) pose your research problem
- b) engage with related literature (based on your developed literature review annotated bibliography)
- c) provide a detailed description of your selected quantitative approach
- d) discuss any ethical challenges.

Details of the assignment will be handed out later in the term. A rubric will also be provided. You are more than welcome to submit your final research proposal before the deadline.

Please note: Standing in a course is determined by the course instructor subject to the approval of the Faculty Dean. This means that grades submitted by the instructor may be subject to revision. No grades are final until they have been approved by the Dean.

In accordance with the Carleton University Undergraduate Calendar, the letter grades assigned in this course will have the following percentage equivalents:

A+ = 90-100	B+ = 77-79	C+ = 67-69	D+ = 57-59
A = 85-89	B = 73-76	C = 63-66	D = 53-56
A - = 80-84	B - = 70-72	C - = 60-62	D - = 50-52
			F=Below 50

Useful Resources: The Centre for Student Academic Support (CSAS) is a centralized collection of learning support services designed to help students achieve their goals and improve their learning both inside and outside the classroom. CSAS offers academic assistance with course content, academic writing and skills development. Visit CSAS online at: carleton.ca/csas.

Course Schedule and Readings
(Readings are subject to change)

Date	Lecture Topic	Reading	Evaluation
May 5	Course introduction	The Syllabus	
May 10	Research Ethics	Walter & Andersen: pg. 7-9 Gravetter & Forzano: Ch 4	Participation Quiz
May 12	Research Ideas, Hypotheses, APA style	Gravetter & Forzano: Ch 2	Participation Quiz
May 17	Defining and Measuring Variables	Gravetter & Forzano: Ch 3	Participation Quiz
May 19	Sampling: Research Strategies, Validity	Gravetter & Forzano: Ch 5-6 Walter & Andersen: pg. 21-33	Participation Quiz
May 24	Experimental Research, Between-Subjects Designs	Gravetter & Forzano: Ch 7-8	Participation Quiz
May 26	Between-Subjects Design; Within-Subjects Designs	Gravetter & Forzano: Ch 8-9	Literature Review & Annotated Bibliography due Participation Quiz
May 31	Nonexperimental and Quasi-Experimental Design	Gravetter & Forzano: Ch 10	Participation Quiz
June 2	Factorial Design	Gravetter & Forzano: Ch 11	Participation Quiz
June 7	Correlational Design	Gravetter & Forzano: Ch 12	Participation Quiz
June 9	Descriptive Research	Gravetter & Forzano: Ch 13	Participation Quiz
June 14	Statistical Analysis of Data	Gravetter & Forzano: Ch 15 Walter & Andersen: pg. 130-135	Participation Quiz
June 16	Writing Workshop + Research Dissemination		Article Critique due Participation Quiz

Policies

Late Work

You are expected to take responsibility for making appropriate judgements to ensure your assignments are submitted by the due date. It is also your responsibility to back up your work either electronically or by photocopying the work for your own reference. Please alert me to any difficulties that you may be experiencing with course work in a timely manner so that I can provide appropriate assistance and/or direct you to someone who can.

Note that an assignment is considered late if it is not fully submitted to the assignment portal on Brightspace by the beginning of the class period in which it is due. Assignments that are submitted as a draft will be presumed late. The assignment must be submitted before 2:35 p.m. on the day of class, in order for it to be considered on time. Assignments that are turned in after 2:35 pm on a due date will be considered one day late. Assignments that are turned in after 2:35 p.m. the following day will be considered two days late, and so on. You need to submit the assignment via Brightspace assignment portal; in general, assignments will NOT be accepted by email. If you have a major problem (such as prolonged illness), please let me know ahead of time. If you do not receive permission to turn in an assignment late before the day it is due, you will not be excused.

Late Literature Review & Annotated Bibliography – This is due on May 26, 2022, before class (2:35pm EST). Late assignments will be docked 10% per day the assignment is late, including weekends (i.e., each day of the weekend counts as a full day). If an assignment is more than 3 days late, it will automatically receive a grade of 0% (zero percent).

Later Article Critique: This is due on June 16, 2022, before class (2:35pm EST). Late assignments will be docked 10% per day the assignment is late, including weekends (i.e., each day of the weekend counts as a full day). If an assignment is more than 3 days late, it will automatically receive a grade of 0% (zero percent).

Late Final Assignments -- Final assignments are due on June 26, 2022. Thus, you can hand in your paper (via Brightspace) by 11:59 pm that day. Late assignments will NOT be accepted.

Supplemental or Grade-Raising Assignments

There will not be any supplemental/grade-raising assignments for this course. Students must complete each of the course components to pass the course (see also Academic Regulations 2.1 of current Carleton University Academic Undergraduate Calendar).

Students who claim illness, injury or other extraordinary circumstances beyond their control as a reason for missed term work are responsible for informing you as soon as possible and for making alternate arrangements to complete the missed work. *In all cases this must occur no later than three (3) working days after the term work was due. The alternate arrangement must be made before the last day of classes in the term as published in the academic schedule.*

Anonymous Course Feedback Tool

I have set up an anonymous course feedback tool on the course Brightspace page. I encourage you to share your ideas about this course either anonymously using this tool or directly with me if you feel comfortable. I am genuinely interested in learning what you think went well in the course and suggestions you have for improving the course.

Email Correspondence

Do not hesitate to reach out to me by email between Monday to Friday from 9 am to 5 pm. You will receive a response within 48 hours. If you would like to schedule a time to meet outside of office hours, I will do my best to accommodate your request.

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 Faculty of Public Affairs 20 Teaching Regulations 2020-21 as soon as possible after the need for accommodation is known to exist.

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.

Academic Accommodations for 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](#) for the deadline to request accommodations for the formally-scheduled exam (if applicable).

Survivors of Sexual Violence

As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and where survivors are supported through academic accommodations as per Carleton's Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: <https://carleton.ca/equity/sexual-assault-support-services>

Accommodation for Student Activities

Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation must be provided to students who compete or perform at the national or international level. 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. <https://carleton.ca/senate/wp-content/uploads/Accommodation-for-Student-Activities-1.pdf>

STATEMENT ON PLAGIARISM

The University Senate defines plagiarism as *“presenting, whether intentionally or not, the ideas, expression of ideas or work of others as one’s own.”* This can include:

- reproducing or paraphrasing portions of someone else’s published or unpublished material, regardless of the source, and presenting these as one’s own without proper citation or reference to the original source;
- submitting a take-home examination, essay, laboratory report or other assignment written, in whole or in part, by someone else;
- using ideas or direct, verbatim quotations, or paraphrased material, concepts, or ideas without appropriate acknowledgment in any academic assignment;
- using another’s data or research findings;
- failing to acknowledge sources through the use of proper citations when using another’s works and/or failing to use quotation marks;
- handing in "substantially the same piece of work for academic credit more than once without prior written permission of the course instructor in which the submission occurs."

Plagiarism is a serious offence that cannot be resolved directly by the course’s instructor. The Associate Dean of the Faculty conducts a rigorous investigation, including an interview with the student, when an instructor suspects a piece of work has been plagiarized. Penalties are not trivial. They can include a final grade of "F" for the course.

INTELLECTUAL PROPERTY & COPYRIGHT

Classroom teaching and learning activities, including lectures, discussions, presentations, etc., by both instructors and students, are copy protected and remain the intellectual property of their respective author(s). All course materials, including recorded lectures, PowerPoint presentations, outlines, and other materials, are also protected by copyright and remain the

intellectual property of their respective author(s). Students registered in the course may take notes and make copies of course materials for their own educational use only. Students are not permitted to reproduce or distribute recorded lectures, voice over PowerPoints, lecture notes, or any other course materials publicly for commercial or non-commercial purposes without express written consent from the copyright holder(s).