



COURSE: CRCJ 3001 D – Quantitative Methods in Criminology

TERM: Winter 2020 (January – April)

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

CLASS:

Day & Time: **Tuesdays & Thursdays 8:35 – 9:55 am**

Room: *Please check Carleton Central for current room location*

INSTRUCTOR:

Thana Ridha

Office Hours: By appointment

Email: ThanaRidha@cmail.carleton.ca

TA:

Adrian-Mihai Biletoff

Office Hours: TBD

Email: Adrianbiletoff@cmail.carleton.ca

COURSE DESCRIPTION

This course will explore the methods, techniques, and practices used in conducting quantitative research in criminology. Various topics will be covered including: research designs and methodologies, measuring and manipulating variables, statistical evaluation and analyses of data, as well as ethics. This course aims to assist students in becoming better consumers and disseminators of research.

REQUIRED TEXTS

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

EVALUATION*

15%	→	Assignment I	→	Tuesday February, 4 th
30%	→	Midterm I	→	Thursday, February 13 th
30%	→	Midterm II	→	Thursday, March 19 th
25%	→	Final Assignment	→	Tuesday, April 7 th

**Please note that ALL components must be completed in order to obtain a passing grade*

Students' course standing is determined by the instructor and subject to the approval of the Faculty Dean. This means that grades submitted by the instructor may be subject to revision as no grades are final until they have been approved by the Dean.

Assignment I (15%):

Assignment I will consist of an article review whereby students will assess the methodology of an assigned article. Students are expected to identify the various elements of the research article (research questions, hypotheses, etc.). The assignment must be 4 pages in length (double spaced, Times New Roman 12 font, standard 1" margins) and is expected to follow APA formatting. Further instructions will be provided in class and on CULearn.

Assignment I is due at the beginning of class on *Tuesday February, 4th*. Please note that any late submissions will be subject to a 10% late penalty per day.

Midterm I (30%):

Midterm I will take place in class on *Thursday, February 13th* from 8:35 to 9:55*. The midterm will cover course content (including lectures, class discussion, readings) from weeks 1 to 6. This is a closed-book midterm and will consist of both multiple choice and short-answer questions.

Midterm II (30%):

Midterm II will take place in class on *Thursday, March 19th* from 8:35 to 9:55*. The midterm will cover course content (including lectures, class discussion, readings) from weeks 8 to 11. This is a closed-book midterm and will consist of both multiple choice and short-answer questions.

Final Assignment (25%):

Students will apply the knowledge and concepts learned throughout the course to develop a research proposal on an assigned topic. The assignment must be 6-8 pages in length (double spaced, Times New Roman 12 font, standard 1" margins) and is expected to follow APA formatting. Students will be required to detail the methodology and research design of their proposed project. Further instructions will be provided in class and on CULearn.

The final assignment is due in class on *Tuesday, April 7th* between 8:35 to 9:55. Please note that late final assignments will **not** be accepted.

***POLICY ON MISSED MIDTERMS**

Students with justified absence for a midterm must notify the course instructor and TA via email within 24 hours. Students must provide appropriate official documentation for support.

Only one make-up exam session will be scheduled for each midterm (students will be required to arrange their schedule accordingly to meet this time). Please note that an opportunity for make-up midterms will **only** be provided for students with justified absence.

COURSE SCHEDULE

The following schedule serves as a guide and may be subject to change.

Week #	Date	Topic	Required Reading
Week 1	1.1—January 7	Course Introduction & Syllabus	--
	1.2—January 9	The Scientific Method & Conducting Research	Chapter 1
Week 2	2.1—January 14	Defining and Measuring Variables I	Chapter 3
	2.2—January 16	Defining and Measuring Variables II	Chapter 3
Week 3	3.1—January 21	Special Topic (Applied Research)	CULearn
	3.2—January 23	Research Participants	Chapter 5
Week 4	4.1—January 28	Ethics in Research	Chapter 4
	4.2—January 30	Research Strategies and Validity	Chapter 6
Week 5	5.1—February 4	Research Experiments * ASSIGNMENT I DUE *	Chapter 7
	5.2—February 6	Between-Subjects Design	Chapter 8
Week 6	6.1—February 11	Within-Subjects Design	Chapter 9
	6.2—February 13	* MIDTERM EXAM I *	--
Week 7	7.1—February 18	Reading Week No class	--
	7.2—February 20	Reading Week No class	--
Week 8	8.1—February 25	Non-Experimental & Quasi-Experimental Research	Chapter 10
	8.2—February 27	Factorial Designs	Chapter 11
Week 9	9.1—March 3	Correlational Designs	Chapter 12
	9.2—March 5	Descriptive Research Strategy	Chapter 13
Week 10	10.1—March 10	Statistical Evaluation of Data	Chapter 15

	10.2—March 12	Statistical Evaluation of Data	Chapter 15
Week 11	11.1—March 17	Statistical Evaluation of Data- Types of Analyses	CULearn
	11.2—March 19	* MIDTERM EXAM II *	--
Week 12	12.1—March 24	APA Style Research Report I	Chapter 16
	12.2—March 26	APA Style Research Report I	Chapter 16
Week 13	13.1—March 31	Disseminating Research & Becoming 'Informed' Researchers	CULearn
	13.2—April 2	In-class Session	--
Week 14	14.1—April 7	* FINAL ASSIGNMENT DUE IN CLASS *	--

GRADING SYSTEM

Letter grades assigned in this course will have the following percentage equivalents (%):

A+ = 90-100	B+ = 77-79	C+ = 67-69	D+ = 57-59	F = 0-49
A = 85-89	B = 73-76	C = 63-66	D = 53-56	Fail
A - = 80-84	B - = 70-72	C - = 60-62	D - = 50-52	

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

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 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 lecture notes and course materials publicly for commercial or non-commercial purposes without express written consent from the copyright holder(s).

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: Please contact the instructor 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 [click here](#).

Religious obligation: Please contact the instructor 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 [click here](#).

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 its 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:

carleton.ca/sexual-violence-support

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. Please contact the instructor 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/wpcontent/uploads/Accommodation-for-Student-Activities-1.pdf>