

COURSE OUTLINE

COURSE: Quantitative Methods in Criminology (CRCJ 3001C)
TERM: Fall 2017
PREREQUISITES: CRCJ 1000 and third-year standing in the B.A Honours program in Criminology and Criminal Justice.

CLASS: Day & Time: **Tuesday & Thursday 14:35 - 15:55**
Room: Check CULearn to confirm room location
CULEARN Check this portal regularly. Course outline, schedule, grades, assignments and PowerPoint lectures will be available here prior to each lecture. All course announcements and updates will also be posted here.

INSTRUCTOR: **Kendra J. McLaughlin, M.A.**

CONTACT: Office: **Loeb Building, C566**
Office Hrs: **Thursdays 11:00-12:00, or by appointment.**
Email: **kendramclaughlin@cunet.carleton.ca**

TEACHING ASSISTANT: **TBD**

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](#)

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 (www.carleton.ca/pmc/) for the deadline to request accommodations for the formally scheduled exam (if applicable).

Student Academic Support: 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 on the 4th floor of MacOdrum Library or online at: carleton.ca/csas.

COURSE OVERVIEW

Some of the topics covered in this course will include: developing quantitative research questions, reading peer-reviewed journal articles, measuring and manipulating variables, reliability and validity, sampling, experimental research designs, non-experimental and quasi-experimental designs, research ethics.

COURSE CONTENT & OBJECTIVE

- Guidelines for finding and comprehending research reports and basic technical writing
- Research development and ethics
- Reliability and validity in measurement
- Probability and non-probability sampling design, sampling distributions
- Hypothesis testing, descriptive and inferential data analyses
- Internal and external validity concerns of research strategies
- Research designs (descriptive, correlational, experimental, non/quasi-experimental)
- Survey design and implementation

Through various lectures, readings, activities, quizzes and tests, this course is designed to familiarize you with the principles and practices of basic quantitative research. At the end of the course you should be able to effectively evaluate quantitative research. My aim is for you to have ample opportunities to learn and review these materials so that you may become confident and critical consumers of scientific research.

REQUIRED TEXT

Gravetter, F. J., & Forzano, L.-A. B. (2016). *Research Methods for the Behavioural Sciences* (5th ed.). Wadsworth-Cengage Learning. ISBN-13: 978-1-305-10413-6

*This textbook is available at the Octopus Books located at: 116 Third Avenue, Ottawa, Ontario, K1S 2K1

There is also a copy of the textbook available for short term loan at the MacOdrum Library Reserves Desk.

SUPPLEMENTARY TEXTS

See CULearn for any potential additional readings.

EVALUATION

(All components must be completed in order to receive a passing grade)

Students' grade in this class will be determined through tests and assignments:

Tests (2 x 15%): Will cover the material from the weeks directly preceding them: Test I will cover lectures and readings from Weeks 1 through 3 & Test II will cover I will cover lectures and readings from Weeks 4 through 9. Tests will comprise a combination of multiple choice, short-answer and short-essay questions based on any corresponding lecture and reading materials.

Final exam (35%): Will be cumulative and will comprise a combination of multiple choice, short-answer and short-essay questions.

Quizzes (4 X 2.5%): There will be 5 unscheduled quizzes throughout the semester. These quizzes will be brief (4-5 multiple choice questions) and are meant to provide you with an idea of your understanding of recently covered course content. Of the 5 quizzes, we will drop your lowest score. Please note that there are no opportunities for makeup quizzes. Missed quizzes will receive a grade of 0% (zero percent).

Assignments (5 x 5%): These will comprise of approximately 3-5 questions each. Assignments are aimed at applying what you have learned from the course material of the weeks immediately prior (see CULearn for submission portal and see the lecture schedule for assignment deadlines).

** Students' works will be graded on a rubric and will be returned to students approximately 1-2 weeks following the submission of the assignment/quiz/test.

Tests/Assignments	Percentage of Final Grade	Date/Due Date
Test I	15%	October 5, 2017
Test II	15%	November 16, 2017
Final Exam	35%	Formal Exam Period (December, 2017)
Quizzes (5)	10%	Unscheduled (during various lecture periods)
Assignments (5)	25%	See Lecture Schedule

Students' standing in a course is determined by the course instructor and is 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 the Dean has approved them (see also Academic Regulations 2.3 of current Carleton University Academic Undergraduate Calendar).

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).

Makeup Tests

If you miss a test for a legitimate, documented reason (e.g., serious illness with a written excuse, death in the family, etc.), I may, at my discretion, administer a makeup examination. I must be notified **24 hours before** the test in order for you to be eligible to write a makeup test.

You can e-mail me (kendramclaughlin@cunet.carleton.ca) or call the Institute of Criminology and Criminal Justice office (telephone number: 613-520-2588) prior to the examination. If you call, make sure you tell the person who takes your message to write down the time you called, so that I may verify that you called prior to the examination.

Missed Final Exam

If you plan to miss or have missed the final exam you must contact the Registrar's Office, NOT the instructor of the course exam missed.

Late Assignments

There are no opportunities for makeup or supplemental assignments. Please, do your assignments early and turn them in on time, which is by the end of class on the date the assignment is due. The grade for an assignment that is submitted late will automatically be deducted by 10% per day it 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).

Importantly, an assignment is considered late if it is not fully submitted to the assignment portal on CULearn by the end of the class period in which it is due. This means that if you are not in class, the assignment must be submitted before 3:55 p.m. on the day of class, in order for it to be considered on time. Assignments that are turned in after 3:55 p.m. on a due date will be considered one day late. Assignments that are turned in after 3:55 p.m. the following day will be considered two days late, and so on.

Assignments that are not fully submitted in CULearn (i.e., submitted as a draft) will be presumed late, which may result in further lateness penalty. You need to submit the assignment via CULearn assignment portal; we will not accept assignments via e-mail.

In general, assignments will NOT be accepted by email. If you face a major problem (such as prolonged illness), please let me know ahead of the assignment due date. If you do not receive permission for an assignment extension prior to the day it is due, you will not be excused and the late penalty will be applied.

GRADING SCALE

Letter Grade	Percent	Letter Grade	Percent	Letter Grade	Percent	Letter Grade	Percent
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	0 – 49%

IMPORTANT NOTE

September 30, 2017: Last day to withdraw from fall term and fall/winter courses with a full fee adjustment (financial withdrawal). Withdrawals after this date will create no financial change to Fall term fees and will result in a grade(s) of WDN appearing on your official transcript.

WDN Withdrawn. No academic credit, no impact on the CGPA. WDN is a permanent notation that

appears on the official transcript for students who withdraw after the full fee adjustment date in each term (noted in the Academic Year section of the Calendar each term). Students may withdraw on or before the last day of classes. <http://calendar.carleton.ca/undergrad/regulations/academicregulationsoftheuniversity/acadregsuniv2/#2.3>

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)

TENTATIVE LECTURE SCHEDULE

The textbook chapters and supplemental readings will help you to better understand the lecture material. You are expected to have read the lectures’ corresponding chapter prior to the class period for which it is assigned. Anything covered in the lectures, readings, and assignments will potential be a test or quiz question. Accordingly, it is in your best interest to attend all lectures.

Note: This schedule is intended to be a guide and may be subject to change.

Week	Date	Topic	Required Reading
Intro	Thursday, September 7, 2017	Syllabus / Course Overview	None
Week 1	Tuesday, September 12, 2017	Introduction / What is Research?	Chapter 1 (pp. 1-36)
	Thursday, September 14, 2017	Research Ideas / Literature Search	Chapter 2 (pp. 37-62)
Week 2	Tuesday, September 19, 2017	APA Style Overview/ Research Ethics **	Chapter 16 (pp. 495-525, see also 585-595); Chapter 4 (pp. 99-127)
	Thursday, September 21, 2017	Defining and Measuring Variables	Chapter 3 (pp. 63-88)
Week 3	Tuesday, September 26, 2017	Defining and Measuring Variables <i>cont'd</i> (APA Style/ Ethics Assignment 1 Due)	
	Thursday, September 28, 2017	Sampling / Selecting Participants	Chapter 5 (pp. 131-150)
Week 4	Tuesday, October 3, 2017	Research Strategies**	Chapter 6 (pp. 153-165)
	Thursday, October 5, 2017	TEST I	<i>(Chapter 1 to Chapter 5, & Chapter 16)</i>
Week 5	Tuesday, October 10, 2017	Internal & External Validity	Chapter 6 (pp. 165-184)
	Thursday, October 12, 2017	Experimental Research: Overview (Sampling/Research strategies Assignment 2 Due)	Chapter 7 (pp. 187-218)
Week 6	Tuesday, October 17, 2017	Experimental Design: Between-Subjects	Chapter 8 (pp. 219-240)
	Thursday, October 19, 2017	Experimental Design: Within-Subjects**	Chapter 9 (pp. 249-265)
Week 7	October 23-27, 2017	FALL BREAK -- NO LECTURES	
Week 8	Tuesday, October 31, 2017	Quasi-Experiments and Non-Experimental Designs (Experiment Assignment 3 Due)	Chapter 10 (pp. 279-307)
	Thursday, November 2, 2017	Quasi-Experiments and Non-Experimental Designs <i>cont'd</i>	
Week 9	Tuesday, November 7, 2017	Factorial Designs	Chapter 11 (pp. 311-332)
	Thursday, November 9, 2017	Factorial Designs <i>cont'd</i>	
Week 10	Tuesday, November 14, 2017	Correlational Designs **	Chapter 12 (pp. 347-365)
	Thursday, November 16, 2017	TEST II	<i>(Chapter 6 to Chapter 11)</i>
Week 11	Tuesday, November 21, 2017	Correlational Designs <i>cont'd</i> + review	
	Thursday, November 23, 2017	Survey Research Design (Correlation Assignment 4 Due)	Chapter 13 (pp. 379-392); Qualtrics demo
Week 12	Tuesday, November 28, 2017	Statistical Evaluation of Data	Chapter 15 (pp. 441-451; 460-477)
	Thursday, November 30, 2017	Statistical Evaluation <i>cont'd</i> + review **	
Week 13	Tuesday, December 5, 2017	Review Lecture (Time Permitting)	
	Thursday, December 7, 2017	Study Session (Survey Assignment 5 Due)	

** Date Assignment portal on CULearn will be open for assignment submission.