



## CRCJ 3001- A

# Quantitative Methods in Criminology

## Course Outline – Fall 2011

### Instructor

**Donna Mailloux**

**E- mail:** Please email via WEBCT

### Lectures

**Time:** Thursdays (8:35 – 11:25)

**Room:** SP100

**Office hours:** TBA & By appointment

**Website:** Class materials and PPTs are available on WebCT.

**\*NOTE.** I am most accessible via email and will, in most cases, get back to you within the same day.

### University calendar course description (0.5 credit).

Methods used conducting quantitative research. Topics include measuring and manipulating variables, reliability, validity, sampling, experimental, quasi- experimental designs and ethics. Precludes additional credit for [CRCJ3000](#) (no longer offered), [PSYC 2001](#), [PSYC 2002](#), [ANTH 2003](#), [PSCI 2702](#), [PSYC 2000](#).

**Prerequisites:** third- year standing in the B.A Honours program in Criminology and Criminal Justice.

### COURSE OBJECTIVES:

The main goal of this class will be to introduce you to the application of the scientific method. This class will be a combination of lecture format, group work, and class activities. It will be an interactive class so that you can maximize your learning using a more applied style. In order to get the most out of this class, assigned readings should be done before class and all necessary materials printed from Web CT. *More specifically, you will learn:*

1. To understand how science works and how it is applied to the study of criminal behaviour;
2. To learn what needs to be considered when designing a research study for the behavioral sciences (e.g., ethics, participants, procedures, designs etc.);
3. To understand how scientific research is disseminated and how scientific journal articles are structured and written using the American Psychological Association (APA) style;
4. To understand and use a few basic descriptive statistics to summarize data and to use Microsoft Excel to compute basic statistics and to plot graphs;
5. To become a better consumer of scientific information presented to you by developing and applying the necessary critical literacy skills to various scientific articles.

In the end, your research methods class will allow you to develop your knowledge and understanding of research methodology that will support your learning in other classes you will take.

**REQUIRED TEXTBOOK:**

Gravetter & Forzano (2012). *Research Methods for the Behavioral Sciences* (4th ed.). Wadsworth.  
**OR**  
 Gravetter & Forzano (2009). *Research Methods for the Behavioral Sciences* (3rd ed.). Wadsworth.

**WebCT**

This course has gone GREEN and will use the WebCT site exclusively. This site contains copies of the syllabus, overheads (posted before every class), assignments, readings, and important links. Your grades for the course will be posted on this site (except the final grade). It will be your responsibility to ensure you are familiar with WebCT. **Please be reminded that the use of the discussion board is for course content only. PLEASE BE ADVISED THAT I TYPICALLY CLOSE DOWN THE WEBCT SITE AFTER THE FINAL EXAM HAS BEEN WRITTEN. I SUGGEST THAT YOU KEEP A RECORD OF YOUR GRADES PRIOR TO THE END OF THE SEMESTER.**

**Evaluations**

Type	% of grade	Brief description
MIDTERM (October 26) Makeup exam (TBA)	20%	Multiple-choice/Short answer questions
FINAL EXAM (Final examination period – December 9 to 22)	20%	Multiple-choice/Short answer questions
In class Assignments	30%	APA, data coding, data collection, excel, etc.
Methods paper STAGE #1 (Sept 22nd)	10%	Hypothesis, description, and PsychInfo citations of your articles for your research idea.
Methods paper STAGE #2 (Oct 13th)	10%	Write your background
Methods paper STAGE #3 (November 10th)	10%	Describe your methodology
INCENTIVE MARKS (December 5th)	Up to 3%	(Participate in 3 Learning Skills workshops)

Bring a pencil, an eraser, and your student ID to every exam. Any questions or concerns about the midterm results should be discussed with the TA. All exams will be a combination of multiple choice and short answer.

## ***Supplemental and Grade-Raising Examinations***

Supplemental and Grade-raising examinations are **not available** in any courses offered in the Faculties of Arts and Social Sciences and Public Affairs. See Academic Regulation 2.4 of the current Calendar.

### **ASSIGNMENTS:**

All assignments will be completed during class time. Details of the assignments will be provided throughout the semester during class time.

### **METHODS PAPER:**

The methods paper is set out in 3 stages in order for you to get all the support you need. Provided you submit your work in on time, you will have some opportunity for feedback which you can then incorporate into future steps to improve your mark as you move along in the process. This process is intended to model what is done in research whereby multiple reviewers provide feedback/corrections which must be made prior to publication. It is also designed this way so that you can learn to improve your work as you gain experience. My intention is to provide all the support necessary for you to learn how to write for the social sciences and to do this in a supportive atmosphere. Examples will be provided to you as we move along in the course and all marking rubrics will be provided ahead of time. Below is a brief description of the process. ***NO papers will be accepted after the November 10th deadline. If I have no evidence to grade then you will obtain a 0 on the methods paper.***

***STAGE 1:*** This stage will involve finding 5 experimental research articles (not review papers) on PsychInfo from which you will select at least 2 to thoroughly review on your topic of interest. In this stage, I will need the following:

1. A brief paragraph describing your Research Topic.
2. A statement of your hypothesis
3. The actual printout from PsychInfo of your references.

At this point it is just to get you started with the paper. You will have a lot of support for using PsychInfo both in class and a working workshop with an expert at the library. If you plan your time well you could essentially have this stage completed during class time. This is to be submitted via Webct.

***STAGE 2:*** In this stage I will ask you to write a brief review of at least 2 research articles you have chosen and to use these as the basis to support your research question (hypothesis). This part should not exceed 3-4 double spaced pages. For full marks it must be written in APA style and contain the following:

1. An introduction to the problem
2. A review of the literature and what has been found before.
3. APA style
4. Referencing
5. Writing style appropriate for research

This section is to be submitted via WebCt so that your graded assignment with detailed feedback for improvement can be sent to you in a timely manner.

***STAGE 3:*** In this stage you will then extend what you did in STAGE 2 and set out a methodology section where you will describe your participants, sampling, possible measures, and procedures. You will be expected to discuss:

1. The characteristics of your sample and the sampling technique you will be using.

2. The procedures of your study including how you will recruit and the detailed steps involved in your research ( a reader should be able to replicate this without having to speak with you).
  3. The generalizability, weaknesses, and implications of your potential findings.
  4. That you write in APA style and that your paper is structured in a way that flows.
- Once again this will be submitted via WebCT. Feedback you get from Stage 2 will be useful to ensuring you get a higher mark in stage 3.

## **EXAMS:**

### **Midterm tests:**

If you miss a midterm test you must notify me by email within 24 hours and include your name and student ID number. Make up tests will only be permitted with appropriate documentation under conditions of illness, bereavement, or religion. The midterm will not be rescheduled due to any other personal conflicts. The make up for the midterm will occur during the day within 4 days of the original exam (date TBA). You must arrange your schedule to meet this make up exam, as only 1 time slot will be available. If no documentation is provided you will receive a grade of zero for the test.

### **Final exam:**

If you miss the final exam you must contact the Registrarial Services for the Faculty of Public Affairs, **NOT** the instructor.

## **INCENTIVE MARKS:**

For an extra 3% you may participate in the Learning skills workshops. In order to earn the incentive marks, one of the workshops **MUST** be “Research Skills” and the other “critical thinking”. The third one is of your choice. These must be completed by December 5<sup>th</sup>.

The learning Center will send me a copy of your participation so please ensure you sign in. Failure to do so will mean you do not earn the credit.

Please bring your Carleton ID to the workshop at the Fourth floor, MacOdrum Library. The List of dates can be found at the following link: <http://www2.carleton.ca/sasc/learning-support-services/workshops/>

You can register for the workshops using “my success” link at Carleton central. You can also just show up 10 minutes prior to the workshop. You must attend the entire session and sign in on your way out.

## **IMPORTANT DATES:**

### **FALL**

September 8  
September 21

Classes start (after Orientation events).

Last day for registration and course changes in Fall and Fall/Winter courses.

September 30  
October 7  
October 10  
December 5

Last day to withdraw with full fee adjustment

University Day – no classes.

Thanksgiving Day – University closed.

Fall term ends. Last day of classes, Fall term. Last day for academic withdrawal from Fall term courses. Last day for handing in term work and the last day that can be specified by a course instructor as a due date for Fall term courses.

December 6- 7  
December 8- 21

No classes take place.

December exams: Final examinations for Fall courses, mid- terms for Fall/Winter courses (includes Saturdays).

## CLASS SCHEDULE / READINGS

<b>Week</b>	<b>Date</b>	<b>Topic/Readings</b>
W1	Sep 8	Introduction to the course Scientific Inquiry <i>Text pp. 1-36 (ed. 3); pp. 1-38 (ed. 4)</i>
W2	Sept 15	Research Ideas- Discussion of Topics <i>Text pp. 37-68 (ed. 3); pp. 39-70 (ed. 4)</i> Ethics <i>Text pp. 97-126 (ed. 3); pp 107-136 (ed. 4)</i>
W3	Sept 22	PsychINFO session 8:30- 11:30 Library Room 102 Mandatory <b>Submit STEP #1 of Methods PAPER</b>
W4	Sept 29	APA style- APA in class assignment <i>Text pp. 468- 498 (ed. 3); pp 487- 517 (ed. 4)</i>
W5	Oct 6	Defining and measuring variables <i>Text pp. 69-96 (ed. 3); pp. 71-105 (ed. 4)</i>
W6	Oct 13	Sampling <i>Text pp. 127-145 (ed. 3); pp. 137-156 (ed. 4)</i> <b>Submit STEP #2 of Methods PAPER</b>
W7	Oct 20	<b>MIDTERM</b>
W8	Oct 27	Research Strategies/Validity <i>Text pp. 146-188 (ed. 3); pp. 157-194 (ed. 4)</i>
W9	Nov 3	Experimental research designs <i>Text pp. 189-219 (ed. 3); pp. 195-225 (ed. 4)</i> <i>Text pp. 220-271(ed. 3); pp. 227-279 (ed. 4)</i>
W10	Nov 10	Quasi- experimental& correlational designs <i>Text pp. 272-? (ed. 3); pp. 281-361 (ed. 4)</i> <b>Submit STEP #3 of Methods PAPER</b>
W11	Nov 17	Statistical evaluation of data <i>Text pp. 416-424(ed. 3); pp. 431-445 (ed. 4)</i>
W12	Nov 24	Descriptive Research (Surveys, Case studies, Field research) <i>Text pp. 351-413 (ed. 3); pp. 363-393 (ed. 4)</i>
W13	Dec1	<b>Review</b>
	Dec 8- 21	<b>Final Exam during scheduled exam period</b>

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

## REGULATIONS

### REQUESTS FOR 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 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](#)

**Students with disabilities** requiring academic accommodations in this course must register with the Paul Menton Centre for Students with Disabilities (PMC) for a formal evaluation of disability-related needs. Documented disabilities could include but are not limited to mobility/physical impairments, specific Learning Disabilities (LD), psychiatric/psychological disabilities, sensory disabilities, Attention Deficit Hyperactivity Disorder (ADHD), and chronic medical conditions. Registered PMC students are required to contact the PMC, 613-520-6608, every term to ensure that I receive your Letter of Accommodation, no later than two weeks before the first assignment is due or the first in-class test/midterm requiring accommodations. If you only require accommodations for your formally scheduled exam(s) in this course, please submit your request for accommodations to PMC by the deadlines published on the [PMC website](#).

### PETITIONS TO DEFER

Students unable to complete a final term paper or write a final examination because of illness or other circumstances beyond their control or whose performance on an examination has been impaired by such circumstances may apply within five working days to the Registrar's Office for permission to extend a term paper deadline or to write a deferred examination. The request must be fully and specifically supported by a medical certificate or other relevant documentation. Only deferral petitions submitted to the Registrar's Office will be considered.

### WITHDRAWAL WITHOUT ACADEMIC PENALTY

The last day to withdraw from fall term courses and any other courses that end this term without academic penalty is December 5<sup>th</sup>, 2011.

### OFFICIAL FINAL EXAMINATION PERIOD

Fall Courses: December 8 to 21 (May Include evenings & Saturdays) 2011.

### PLAGIARISM

The University Senate defines plagiarism as “*presenting, whether intentional 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 which cannot be resolved directly with the course's instructor. The Associate Deans of the Faculty conduct 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 range from a mark of zero for the plagiarized work to a final grade of "F" for the course, and even suspension from all studies or expulsion from the University.

## **GRADING SYSTEM**

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

A+ = 90-100   B = 73-76   C - = 60-62  
 A = 85-89   B - = 70-72   D+ = 57-59  
 A - = 80-84   C+ = 67-69   D = 53-56  
 B+ = 77-79   C = 63-66   D - = 50-52  
 F        Failure. No academic credit

ABS    Absent from the final examination

DEF    Official deferral (see "Petitions to Defer")

FND    "Failed, no Deferral" – assigned when the student is absent from the final exam and has failed the course on the basis of inadequate term work as specified in the course outline.

**Standing in a course is determined by the course instructor subject to the approval of the Faculty Dean.**

IF A STUDENT NEEDS ASSISTANCE WITH...	REFER TO...	CONTACT INFORMATION
<p>...understanding academic rules and regulations</p> <p>...choosing or changing their major</p> <p>...finding a tutor</p> <p>...academic planning guided by an Academic Advisor</p> <p>...polishing study skills</p>	<p><b>Student Academic Success Centre (SASC)</b>  <i>"Helping students build a foundation for academic success by facilitating services that foster personal direction and academic competence"</i></p>	<p>302 Tory Building  613-520-7850  <a href="http://www.carleton.ca/sasc">www.carleton.ca/sasc</a></p> <p>Students can call or drop in to make an appointment</p>
<p>...developing a coherent pattern of courses in the major and consultation about opportunities for graduate school</p>	<p><b>Undergraduate Program Advisors</b>  <a href="http://www2.carleton.ca/fass/current-students/undergraduate-program-advisors-2/">http://www2.carleton.ca/fass/current-students/undergraduate-program-advisors-2/</a></p>	<p>Consult the individual departmental website</p>
<p>...a learning disability</p>	<p><b>Paul Menton Centre</b>  <i>"Integration, Individualization, Independence"</i></p>	<p>500 University Centre  613-520-6608  <a href="http://www.carleton.ca/pmc">www.carleton.ca/pmc</a>  Students can call or drop in to make an appointment</p>
<p>...developing writing skills</p>	<p><b>Writing Tutorial Service</b></p>	<p>4<sup>th</sup> Floor, Library  613-520-6632  <a href="http://www.carleton.ca/wts">www.carleton.ca/wts</a></p>
<p>...peer assisted tutoring for pre-identified, notoriously difficult courses</p>	<p><b>Peer Assisted Study Sessions</b>  <i>"PASS workshops integrate how-to-learn (study skills) with what-to-learn (course content) in a fun, relaxed environment."</i></p>	<p>Learning Support Services  <a href="http://www.carleton.ca/sasc/pass_home/index.html">www.carleton.ca/sasc/pass_home/index.html</a></p>
<p>...polishing English conversation skills, or proof reading (International students only)</p>	<p><b>International Student Services Office</b></p>	<p>128 University Centre  613-520-6600  <a href="http://www.carleton.ca/isso/">www.carleton.ca/isso/</a></p>
<p>...Library and Research help; Learning Support and IT support</p>	<p>Staff at <b>MacOdrum Library</b> (reference services desk)</p>	<p><a href="http://www.library.carleton.ca/learning_commons/index.html">http://www.library.carleton.ca/learning_commons/index.html</a>  613-520-2735</p>
<p>...coping with stress or crisis</p>	<p><b>Office of Student Affairs or Health and Counseling Services</b></p>	<p>Either ext. 2573 or  <a href="http://www.carleton.ca/studentaffairs">http://www.carleton.ca/studentaffairs</a> or <a href="http://www.carleton.ca/health">www.carleton.ca/health</a></p>