

ORIGINAL Course Implementation Date (yyyy-mm):	2005-01
REVISED Course Implementation Date:	2023-09
Course to be REVIEWED Date: (six years after GSC approval)	2028-06
Senate Graduate Studies Committee approval:	2022-06

OFFICIAL GRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: CRIM 715		Number of Credits: 4 See Course credit policy (105) and the Principles for Course Credit Assignment: Graduate Studies															
Course Full Title: Quantitative Research Methods Course Short Title:																	
Faculty: Faculty of Social Sciences		Department/School: School of Criminology and Criminal Justice															
Calendar Description: Provides students with an understanding of quantitative research methods and data analysis. Students critically evaluate published quantitative research and develop skills to design a project using quantitative methods.																	
Prerequisites (or NONE):		Admission to the Master of Arts (Criminal Justice).															
Corequisites (if applicable, or NONE):																	
Pre/corequisites (if applicable, or NONE):																	
Antirequisite UFV Courses (cannot be taken for additional credit) Former course code/number: Cross-listed with: Dual-listed with: Equivalent UFV course(s): <i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>																	
Total Contact Hours: 60 Sample structure of instructional hours:		Special Topics Course: No If yes, the topic will be recorded when offered.															
<table border="1"> <thead> <tr> <th></th> <th>Hours</th> </tr> </thead> <tbody> <tr> <td>Face to face instruction (in class, lecture, etc.)</td> <td>45</td> </tr> <tr> <td>Lab hours</td> <td>15</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>			Hours	Face to face instruction (in class, lecture, etc.)	45	Lab hours	15									Grading system: Letter grades	
	Hours																
Face to face instruction (in class, lecture, etc.)	45																
Lab hours	15																
See: Course credit policy (105) and the Principles for Course Credit Assignment: Graduate Studies		Prior Learning Assessment and Recognition (PLAR) PLAR cannot be awarded for this course because: while students may have related practical skills based on their criminal justice system employment, this course provides the foundational skills required to develop students' major paper research proposal.															
Note: For each contact hour students should expect to spend at least three hours further on coursework outside of class.		Expected Frequency of Course Offerings Annually															

Course Objective

The overall purpose/rationale for this course is to understand, critically evaluate, and apply quantitative research methods.

Learning Outcomes

Upon successful completion of this course, students will be able to:

- Articulate the principles and processes of quantitative approaches to research.
- Explain the advantages and disadvantages of different quantitative of research methods.
- Articulate the conditions under which quantitative research methods should be applied.
- Critically evaluate published quantitative research.
- Articulate the role and importance of ethics in research.
- Articulate when to apply various quantitative statistical tests.
- Report and present quantitative research findings.
- Provide an evidentiary basis for program and policy development.
- Reflect on how quantitative research methods and findings facilitate and hinder Indigenous and equity-seeking groups.
- Develop a research proposal using quantitative methods.

NOTE: The following sections vary by instructor. Please see course syllabus available from the specific instructor.

Sample Instructional Methods

Face to face instruction, seminar discussion, online self-directed.

Sample Text(s) and Resource Materials:

Type	Author or description	Title and publication/access details	Year
1. Textbook	Bachman, R.D., & Schutt, R.K.	The practice of research in criminology and criminal justice, seventh edition. Sage Publications.	2019
2. Other	British Columbia's Office of the Human Rights Commissioner.	Disaggregated demographic data collection in British Columbia: The grandmother perspective. Vancouver, BC.	2020
3. Textbook	Hagan, F.E.	Research methods in criminal justice and criminology, tenth edition. Pearson.	2018
4. Journal	Lilienfeld, S.O., & Strother, A.N.	Psychological measurement and the replication crisis: Four sacred cows. Canadian Psychology, 61(4), 281-288.	2020
5. Textbook	Rennison, C.M., & Hart, T.C.	Research methods in criminal justice and criminology. Sage Publications.	2018

Sample Evaluation Methods and Weighting

Assignment	50%	Other	25%	Research paper	25%	%
	%		%		%	%

Sample Course Content and Topics (approximately 50-250 words)

Introduction to Criminal Justice Research

- Role of research in guiding policy and practice
- Ethical concerns in research (e.g., TCPS2, Human Research Ethics Board applications)
- Developing research questions
- Role of literature reviews

Quantitative Methods

- Data collection techniques
- Sampling
- Designing surveys, interviews, and tools
- Research proposals

Quantitative Statistics

- Quantitative data analysis (e.g., ANOVA, regression, meta-analysis)
- Interpreting quantitative statistics

Application of Quantitative Methods

- Critically consuming quantitative research findings
- Presenting and reporting quantitative findings
- Role of research in facilitating and hindering equity, diversity, and inclusion (e.g., community collaboration and engagement, Indigenous methods of research, importance of disaggregated data on race and gender)