

**Syllabus**

**SCHOOL OF EDUCATION AND LEADERSHIP**  
**RESR 619: Quantitative Research Methods**

3 Credits  
Effective: Summer 2018/2019

*Access to the Internet is required.*  
*All written assignments must be in Microsoft-Word-compatible formats.*  
*See the library's APA Style Guide tutorial for a list of resources that can help you use APA style.*

## **FACULTY**

Faculty Name:

Contact Information:

## **COURSE DESCRIPTION**

This course covers quantitative methods of data collection and analysis. Emphasis will be placed on fundamental principles of quantitative analysis and a review of multiple quantitative analysis instruments.

## **COURSE RESOURCES**

Required and recommended resources to complete coursework and assignments are found on the course [Reading List](#). The reading list can be found under Course Information in Blackboard as well as from the library homepage.

Note: Required resources that must be purchased by the student are tagged “Purchase from a vendor of your choosing.” Required resources with a direct link, “Available through CityU Library”, are available at no cost to students.

Students in Canada will see required resources they need to purchase tagged “Purchase from the Canadian Bookstore.” Students outside the U.S. and Canada should contact their advisor or textbook coordinator for additional information.

## **CITYU LEARNING GOALS**

This course supports the following City University learning goals:

- Critical thinking and information literacy

## **COURSE OUTCOMES**

In this course, learners:

- Analyze the fundamental elements of a quantitative research proposal
- Critique quantitative data analysis in published articles
- Develop a quantitative research proposal.

## **CORE CONCEPTS, KNOWLEDGE, AND SKILLS**

## OVERVIEW OF COURSE GRADING

The grades earned for the course will be derived using City University of Seattle's decimal grading system, based on the following:

<i>Overview of Required Assignments</i>	<i>% of Final Grade</i>
Quantitative Research Fundamentals	20%
Quantitative Methods Article Evaluation	20%
Research Proposal Paper	20%
Instructor-Determined Assignments	40%
<b>TOTAL</b>	<b>100%</b>

## SPECIFICS OF COURSE ASSIGNMENTS

The instructor will provide grading rubrics that will provide more detail as to how this assignment will be graded.

### Quantitative Research Fundamentals

Students will demonstrate their understanding of quantitative research by applying what they have learned to an area of research they are interested in.

Quantitative research is more than just sending out a survey. One big component of it is statistical analysis. For this paper, you will think of a topic you would want to research. Then you will write a mini proposal that includes the following five (5) parts:

- (a) Problem Description: Summary of the topic and problem you want to research.
- (b) Quantitative Design: Imagining you were going to use quantitative research what type would you use and why (survey, experimental, data analysis)? What instrument would you use to collect your data and how would you know it was valid?
- (c) Statistical Connection: What type of statistics would your research method generate?
- (d) Population Analysis: Discussion your population (size, sampling technique, generalizability of your results based on your sample, any ethical issues).
- (e) Summary: Finally a conclusion that summarizes what you hope to find after your analysis (what would your data tell you).

This 4-6 page paper will be in APA format with at least three (3) academic references. NOTE: This paper can be used in the final paper to fulfill some of the requirements.

<i>Components</i>	<i>% of Grade</i>
Problem Description	20%
References and APA	10%
Quantitative Design	20%
Statistical Connections	20%
Population Analysis	10%
Writing and Organization	20%
<b>TOTAL</b>	<b>100%</b>

### Quantitative Methods Article Evaluation

Students will analyze and evaluate the data analysis from two (2) quantitative articles found in the course module. Students will focus on the data analysis section of the articles and will identify the research questions and/or hypotheses as they are stated, the variables (sample sizes, population, treatments, etc.), and the type of statistical analysis used in the articles.

Students will then use research and their readings to critique the analysis.

This evaluation will be presented in a table containing two (2) parts:

Part 1 - Analysis: List the following parts of each article:

- (a) give a brief summary of the research problem or research questions examined;
- (b) list all hypotheses being tested;
- (c) list the dependent and independent variables being studied;
- (d) examine and summarize the assumptions and limitations;

Part 2 - Evaluation: Evaluate the articles and answer the following questions in your table (this can be in 1st person).

- (a) what type of analysis is being used?
- (b) why was that type of analysis chosen?
- (c) would another type have been better? Why?
- (d) were the results calculated properly? Provide a rationale.
- (e) would you have included more and/or different variables?
- (f) what would you have done differently in this case or what did you find that stood out about this article?
- (g) do you agree with the author(s) interpretation of the findings?

The critique will be in table format with three (3) columns (a headings column and then a column for each article). APA citations will be expected in the table and along with a title page and references in APA format preceding and following the table. The Table does not have to be in APA format. A sample table will be provided.

<i>Components</i>	<i>% of Grade</i>
Article Analysis	40%
Critical Evaluation	40%
APA	20%
<b>TOTAL</b>	<b>100%</b>

## Research Proposal Paper

Students will create a quantitative research proposal. The proposal will include the following sections: (a) Introduction; (b) literature review that ends with a statement of the problem in the field and one or two hypotheses about what is happening (3 pages); (c) a purpose statement - the purpose of the proposed research (1 page); (d) a methodology section that includes how the data will be collected, analyzed, and reported (4-5 pages); (e) justification of the selected quantitative method for performing the proposed research (1 page); (f) threats to reliability and validity and how these will be addressed (2 pages); and (g) a conclusion. Pages per section are approximations. The paper is to be no more than 15 pages excluding title page and references.

The paper should be 12-15 pages (4200-5250 words), double-spaced, 12 pt. Times New Roman font. APA writing conventions must be followed and a minimum of five (5) peer-reviewed, scholarly resources (in addition to the text) must be included.

<i>Components</i>	<i>% of Grade</i>
Literature review	15%
Purpose statement	10%
Methodology	25%
Justification of the methodology	20%
Threats to reliability and validity	15%
Writing and Organization	10%
References and APA	5%
<b>TOTAL</b>	<b>100%</b>

## Instructor-Determined Assignments

Class participation through discussion activities is an integral part of this course. To provide structure for balanced participation and allow maximum benefit of enhanced discussion activities and learning, the following is required: (1) Responses to discussion questions are posted within the first three days of the online school week. (The online school week starts on Monday 12:01 am and ends Sunday at midnight PST.) At least one scholarly resource cited in APA format supports the response. (2) At least two thoughtful and topic-relevant comments, questions, or research notes are posted in response to posts by classmates during the online school week. (3) Any questions the instructor posts regarding the original post are responded to by the end of the online school week.

<i>Components</i>	<i>% of Grade</i>
Quality of Initial Posts	40%
Quality of Response Posts	40%
References and APA	20%
<b>TOTAL</b>	<b>100%</b>

## **COURSE POLICIES**

### **Late Assignments**

SAL students are required to submit all assignments by the due dates stated in the course schedule. A late assignment is one that is submitted after the due date or after any extension has expired.

If circumstances prevent a student from meeting the due date, the student needs to contact the instructor and request an extension at least 48 hours prior to the date the assignment is due. Emergency situations will be considered on a case-by-case basis. Being busy, pressured with outside work, technical issues, or having competing academic commitments are not valid reasons to grant extensions.

A student who receives an extension in advance of the due date and abides by the agreement with the instructor is not subject to late penalties.

Without prior arrangement with the instructor, students who submit assignments late will receive a 10% deduction in grade each day or part of the day that the assignment is late.

Coursework received after seven days will not be graded and will receive a zero grade, unless prior arrangements have been made.

### **Participation**

Is judged by posting in the weekly activities.

### **Professional Writing**

Assignments require error-free writing that uses standard English conventions and logical flow of organization to address topics clearly, completely, and concisely. CityU requires the use of APA style.

## **UNIVERSITY POLICIES**

You are responsible for understanding and adhering to all of City University of Seattle's academic policies. The most current versions of these policies can be found in the [University Catalog](#) that is linked from the CityU Web site.

### **Antidiscrimination**

City University of Seattle and its staff and faculty are committed to supporting our students. We value equity, diversity, and inclusion as a way of life as well as the educational opportunities it provides. City U will not tolerate any form of discrimination based on race, color, ethnicity, sexual orientation, gender identification, socioeconomic status, or religious values. If you have experienced any discrimination based on any of the above, we encourage you to report this to the University. Please report this to your instructor. If you do not feel safe reporting this to your instructor, please report to the Provost or to the Vice President of Student Affairs.

### **Non-Discrimination & Prohibition of Sexual Misconduct**

City University of Seattle adheres to all federal, state, and local civil rights laws prohibiting discrimination in employment and education. The University is committed to ensuring that the education environment is bounded by standards of mutual respect and safety and is free from discriminatory practices.

In the U.S., the University is required by Title IX of the Education Amendments of 1972 to ensure that all of its education programs and activities do not discriminate on the basis of sex/gender. Sex include sex, sex stereotypes, gender identity, gender expression, sexual orientation, and pregnancy or parenting status. Sexual harassment, sexual assault, dating and domestic violence, and stalking are forms of sex discrimination, which are prohibited under Title IX and by City University of Seattle policy. City University of Seattle also prohibits retaliation against any person opposing discrimination or participating in any discrimination investigation or complaint process internal or external to the institution. Questions regarding Title IX, including its application and/or concerns about noncompliance, should be directed to the Title IX Coordinator. For a complete copy of the policy or for more information, visit <https://my.cityu.edu/titleix> or contact the Title IX Coordinator.

In Canada, in compliance with the British Columbia Human Rights Code, the Alberta Human Rights Act, WorksafeBC, and the Workers' Compensation Board of Alberta, the University believes that its environment should at all times be supportive and respectful of the dignity and self-esteem of individuals. Discrimination, harassment and bullying conduct, whether through person to person behaviour or via electronic communications such as email or social media is not acceptable and will not be tolerated. As an educational institution, it is our responsibility to cultivate an environment of excellence, equity, mutual respect and to recognize the value and potential of every individual. The University will take all necessary steps to meet or exceed the requirements of the law to prevent discrimination, harassment and bullying. The Respectful Workplace Policy for the prevention of discrimination, harassment and bullying policy and procedure can be found at <https://www.cityu.edu/discover-cityu/about-cityu/> under the Policies section or at <https://www.cityuniversity.ca/about/>.

### **Religious Accommodations**

City University of Seattle has a policy for accommodation of student absences or significant hardship due to reasons of faith or conscience, or for organized religious activities. The University's policy, including more information about how to request an accommodation, is available in the University Catalog and on the my.cityu.edu student portal. Accommodations must be requested by the 20% mark of this course (e.g. day 14 of a ten-week course, day 7 of a 5-week course) using the Religious Accommodations Request Form found on the student dashboard in the my.cityu.edu student portal.

## **Academic Integrity**

Academic integrity in students requires the pursuit of scholarly activity that is free from fraud, deception and unauthorized collaboration with other individuals. Students are responsible for understanding CityU's policy on academic integrity and adhering to its standards in meeting all course requirements. A complete copy of this policy can be found in the University Catalog in the section titled [Academic Integrity Policy](#) under Student Rights & Responsibilities.

## **Attendance**

Students taking courses in any format at the University are expected to be diligent in their studies and to attend class regularly. Regular class attendance is important in achieving learning outcomes in the course and may be a valid consideration in determining the final grade. For classes where a physical presence is required, a student has attended if they are present at any time during the class session. For online classes, a student has attended if they have posted or submitted an assignment. A complete copy of this policy can be found in the [University Catalog](#) in the section titled Attendance under Student Rights & Responsibilities.

## **Final Assignments Due Date**

Final assignments for each class at CityU must be due on or before the final date of the course as indicated in the university's course information system. Due dates that extend beyond the final date of the course may negatively impact tuition funding for students.

## **SUPPORT SERVICES**

### **Disability Services Accommodations Statement**

Students with documented disability who wish to request academic accommodations are encouraged to contact Disability Support Services to discuss accommodation requests and eligibility requirements. Please contact Disability Support Services at [disability@cityu.edu](mailto:disability@cityu.edu) or 206.2369.4752 or visit the [Disability Support Services](#) page in the my.cityu.edu portal. Confidentiality will be observed in all inquiries. Once approved, information about academic accommodations will be shared with your course instructors.

## **Library Services**

CityU librarians are available to help students find the resources and information they need to succeed in this course. Contact a CityU librarian through the [Ask a Librarian](#) service, or access [library resources and services](#) online, 24 hours a day, seven days a week.

## **Smarthinking Tutoring**

CityU students have 24/7 access to free online tutoring offered through Smarthinking, including writing support, from certified tutors. Contact CityU's Student Support Center at [mycityusupport@cityu.edu](mailto:mycityusupport@cityu.edu) to request a username and password.