

Syllabus Course Description of “Quantitative Research Methods” for Spring Semester 2020

Instructor: Dr. Wen-Ling Chen
Room: N201
Time: Mon. 13:20~16:20
Office: N803
Office hour: Mon.10:00~12:00
 Thurs. 10:00~12:00
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■ Course Description

This course has three purposes: 1) introducing history majors to current issues and methods in the quantitative research; 2) guiding students through the process of composing an original 20-25 page research paper, from definition to research to writing and revision; and 3) involving students in (re) conceptualizing the present research strategy on the behavioral sciences. In the semester, we will read several journal articles published in the recent five years to explore the possible research interests for students. These explorations of existing works should suggest the types of topics, issues, and contexts that students might pursue in their own mini study papers.

■ Textbook

Gravetter, F. J. & Forzano, L. B. (2018). *Research Methods for the Behavioral Sciences* (6th Ed.), Publisher: Cengage Learning.

■ References Book

1. Harkiolakis, N. (2017). **Quantitative Research Methods: From Theory To Publication** (1st ed.). Publisher: CreateSpace Independent Publishing Platform. ISBN-13: 978-1543148138
2. 吳明隆。(2014)。論文寫作與量化研究(4版)。台北：五南。ISBN：9789571168708
3. 林秀雲譯。(2016)。Earl Babbie 著。社會科學研究方法(The Practice of Social Research 14/E)。台北：雙葉書廊。ISBN：9789865632540
4. 顏志龍、鄭中平。(2017)。給論文寫作者的統計指南：傻瓜也會跑統計(2版)。台北：五南。ISBN：9789571190167
5. 謝雨生譯。(2015)。Ranjit Kumar 著。研究方法：入門與實務(Research Methodology 4/E)。台北：雙葉書廊。ISBN：9789865668341
6. 蕭文龍。(2018)。統計分析入門與應用：SPSS 中文版+SmartPLS 3(PLS-SEM)(第二版)。台北：碁峰。ISBN：9789864766390

■ **Teaching Methods**

- 1.Lecturing : Making brief introductions to the quantitative research methods.
- 2.Discussions : Leading students to make thorough analyses on the journal articles.
- 3.Mini Study : Supervising students to conduct mini study design in small groups.

■ **Course Schedule**

Week	Date	Content/Topic	Remark
1	2020/02/17	<ul style="list-style-type: none"> ■ Course Introduction ■ Chapter 1 Introduction, Acquiring Knowledge, and the Scientific Method 	
2	2020/02/24	<ul style="list-style-type: none"> ■ Chapter 2 Research Ideas and Hypotheses 	
3	2020/03/02	<ul style="list-style-type: none"> ■ Chapter 3 Defining and Measuring Variables 	
4	2020/03/09	<ul style="list-style-type: none"> ■ Chapter 4 Ethics in Research 	
5	2020/03/16	<ul style="list-style-type: none"> ■ Chapter 5 Selecting Research Participants 	Journal Article Report 1
6	2020/03/23	<ul style="list-style-type: none"> ■ Chapter 6 Research Strategies and Validity 	Journal Article Report 2
7	2020/03/30	<ul style="list-style-type: none"> ■ Chapter 7 The Experimental Research Strategy 	Journal Article Report 3
8	2020/04/06	民族掃墓節暨兒童節放假	
9	2020/04/13	Midterm Examination	
10	2020/04/20	<ul style="list-style-type: none"> ■ Chapter 8 Experimental Designs: Between-Subjects Design 	Journal Article Report 4
11	2020/04/27	<ul style="list-style-type: none"> ■ Chapter 9 ■ Experimental Designs: Within-Subjects Design 	Journal Article Report 5
12	2020/05/04	<ul style="list-style-type: none"> ■ Chapter 10 The Nonexperimental and Quasi-Experimental Strategies 	Journal Article Report 6
13	2020/05/11	<ul style="list-style-type: none"> ■ Chapter 11 Factorial Designs 	Journal Article Report 7
14	2020/05/18	<ul style="list-style-type: none"> ■ Chapter 12 The Correlational Research Study 	Journal Article Report 8
15	2020/05/25	<ul style="list-style-type: none"> ■ Chapter 13 The Descriptive Research Strategy 	Journal Article Report 9
16	2020/06/01	<ul style="list-style-type: none"> ■ Chapter 14 Single-Case Experimental Research Designs 	
17	2020/06/08	<ul style="list-style-type: none"> ■ Chapter 15 Statistical Evaluation of Data 	
18	2020/06/18	Final Examination	

■ **Grading & Assessments**

Items	Percentage
1. Journal Article Report : Each study is required to present a research article published in the last five years to his/her interest. In addition to the content of the research article, the presenter needs to make 3 comments on the article presented. The presentation needs to be done within 40 minutes .	25%
2. Mini Study : Students are required to compose an original 20-25 page research paper by individual or group.	20%
3. Reflection of Journal Article Reports: 2~3 pages	10%
4. Midterm Examination	15%
5. Final Examination	15%
6. Participation <ul style="list-style-type: none"> a. Full attendance 6% b. Actively engaged in class learning activity 5% c. Constructive feedback to the presentation of journal article each week 4% 	15%