

# Syllabus Course Description of “Quantitative Research Methods” for Spring Semester 2023

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 (6<sup>th</sup> Ed.), Publisher: Cengage Learning.**

## ■ References Book

1. Harkiolakis, N. (2017). Quantitative Research Methods: From Theory to Publication (1<sup>st</sup> ed.). Publisher: CreateSpace Independent Publishing Platform. ISBN-13: 978-1543148138
2. 邱皓政。(2019)。量化研究與統計分析：SPSS 與 R 資料分析範例解析（六版）。台北：五南。ISBN：9789577633408
3. 吳明隆。(2014)。論文寫作與量化研究(4版)。台北：五南。ISBN：9789571168708
4. 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
5. **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(二版)。台北：五南。ISBN：9789571190167**
6. 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
7. 蕭文龍。(2018)。統計分析入門與應用：SPSS 中文版+SmartPLS 3(PLS-SEM)(二版)。台北：基峰。ISBN：9789864766390

## ■ Teaching Methods

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

■ 課程進度與內容

Spring of 2023			
Week	Date	Content/Topic	Remark
1	2023/02/13 (Mon.)	<ul style="list-style-type: none"> <li>■ Course Introduction</li> <li>■ Topic 1 Introduction, Acquiring Knowledge, and the Scientific Method</li> </ul>	
2	2023/02/20 (Mon.)	<ul style="list-style-type: none"> <li>■ Topic 2 Research Ideas and Hypotheses</li> </ul>	
3	2023/02/27 (Mon.)	<b>Peace Memorial Day Flexible Vacation</b>	
	2023/03/02 (Thurs.)	<ul style="list-style-type: none"> <li>■ <b>Make-Up Lessons</b></li> <li>■ <b>Home assignment: Research ideas conceptualization and basic literature review</b></li> </ul>	
4	2023/03/06 (Mon.)	<ul style="list-style-type: none"> <li>■ Topic 3 Defining and Measuring Variables</li> <li>■ Topic 4 Ethics in Research</li> </ul>	
5	2023/03/13 (Mon.)	<ul style="list-style-type: none"> <li>■ Topic 5 Selecting Research Participants</li> <li>■ Topic 6 Research Strategies and Validity</li> </ul>	
6	2023/03/20 (Mon.)	<ul style="list-style-type: none"> <li>■ <b>Mini Study Discussion I</b></li> </ul>	<ul style="list-style-type: none"> <li>■ Everyone presents his/her mini study research topic about 10 minutes, including research ideas and possible hypotheses</li> </ul>
7	2023/03/27 (Mon.)	<ul style="list-style-type: none"> <li>■ Topic 7 The Experimental Research</li> </ul>	
8	2023/04/03 (Mon.)	<b>Flexible Vacation</b>	
	2023/04/06 (Thurs.)	<ul style="list-style-type: none"> <li>■ <b>Make-Up Lessons</b></li> <li>■ <b>Home assignment: Research ideas reexamination and modifications</b></li> </ul>	
9	2023/04/10 (Mon.)	<ul style="list-style-type: none"> <li>■ <b>Mini Study Discussion II</b></li> </ul>	<ul style="list-style-type: none"> <li>■ Everyone presents his/her mini study research literature review about 15 minutes</li> </ul>
10	2023/04/17 (Mon.)	<ul style="list-style-type: none"> <li>■ <b>Mini Study Discussion III</b></li> </ul>	<ul style="list-style-type: none"> <li>■ Everyone presents his/her mini study research topic about 10 minutes, including research data collection and data analysis planning</li> </ul>
11	2023/05/24 (Mon.)	<ul style="list-style-type: none"> <li>■ Topic 8 Experimental Designs: Between-Subjects Design</li> <li>■ Topic 9 Experimental Designs: Within-Subjects Design</li> </ul>	
12	2023/05/01 (Mon.)	<ul style="list-style-type: none"> <li>■ Topic 10 The Nonexperimental and Quasi-Experimental Strategies</li> <li>■ Topic 11 Factorial Designs</li> </ul>	
13	2023/05/08 (Mon.)	<ul style="list-style-type: none"> <li>■ Topic 12 The Correlational Research Study</li> <li>■ Topic 13 The Descriptive Research</li> </ul>	

Spring of 2023

Week	Date	Content/Topic	Remark
		Strategy	
14	2023/05/15 (Mon.)	<ul style="list-style-type: none"> <li>■ Topic 14 Single-Case Experimental Research Designs</li> <li>■ Topic 15 Statistical Evaluation of Data Research</li> </ul>	
15	2023/05/22 (Mon.)	■ <b>Individual Mini Study Report I</b>	■ Everyone presents his/her complete mini study oral report about 40 minutes
16	2023/05/29 (Mon.)	■ <b>Individual Mini Study Report II</b>	■ Each individual presents his/her complete mini study oral report about 40 minutes
17	2023/06/01 (Mon.)	■ <b>Preparation for Research Publication</b>	
18	2023/06/08 (Mon.)	■ <b>Preparation for Research Publication</b>	

■ **Grading & Assessments**

Items	Percentage
1. Mini Study : Every student is required to compose an original 20~25-page research paper.	<b>90%</b>
2. Participation	<b>10%</b>