

Course Description of “Quantitative Research Methods” for Spring Semester 2021

Instructor: Dr. Wen-Ling Chen

Room: N207

Time: Mon. 13:20~16:20

Office: N803

Office hour: Mon. 9:00~12:00

Wed. 9:00~12:00

Tel. : 5715131#73226

■ 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.

■ Reference Books

1. Harkiolakis, N. (2017). Quantitative Research Methods: From Theory to Publication (1st 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：碁峰。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.

■ **Course Schedule**

Week	Date	Content/Topic	Remark
1	2021/02/22	<ul style="list-style-type: none"> ■ Course Introduction ■ Chapter 1 Introduction, Acquiring Knowledge, and the Scientific Method 	
2	2021/03/01	Peace Memorial Day Compensatory Time	
3	2021/03/08	<ul style="list-style-type: none"> ■ Chapter 2 ■ Research Ideas and Hypotheses 	
4	2021/03/15	<ul style="list-style-type: none"> ■ Chapter 3 Defining and Measuring Variables ■ Chapter 4 Ethics in Research 	
5	2021/03/22	<ul style="list-style-type: none"> ■ Chapter 5 Selecting Research Participants ■ Strategy Chapter 6 Research Strategies and Validity 	
6	2021/03/29	■ Mini Study Discussion I	■ Each individual presents his/her mini study research topic about 10 minutes, including research ideas and possible hypotheses
7	2021/04/05	National Grave Sweeping Festival & Children's day Compensatory Time	
8	2021/04/12	<ul style="list-style-type: none"> ■ Chapter 7 The Experimental Research ■ Chapter 8 Experimental Designs: Between-Subjects Design 	
9	2021/04/19	<ul style="list-style-type: none"> ■ Chapter 9 Experimental Designs: Within-Subjects ■ Design Chapter 10 The Nonexperimental and Quasi-Experimental Strategies 	
10	2021/04/26	■ Mini Study Discussion II	■ Each individual presents his/her mini study research literature

Week	Date	Content/Topic	Remark
			review about 15 minutes
11	2021/05/03	<ul style="list-style-type: none"> ■ Mini Study Discussion III 	<ul style="list-style-type: none"> ■ Each individual presents his/her mini study research topic about 10 minutes, including research data collection and data analysis planning
12	2021/05/10	<ul style="list-style-type: none"> ■ Chapter 11 Factorial Designs ■ Chapter 12 The Correlational Research Study 	
13	2021/05/17	<ul style="list-style-type: none"> ■ Chapter 13 The Descriptive Research Strategy ■ Chapter 14 Single-Case Experimental Research Designs 	
14	2021/05/24	<ul style="list-style-type: none"> ■ Chapter 15 Statistical Evaluation of Data Research 	
15	2021/05/31	<ul style="list-style-type: none"> ■ Individual Mini Study Report I 	<ul style="list-style-type: none"> ■ Each individual presents his/her complete mini study oral report about 40 minutes
16	2021/06/07	<ul style="list-style-type: none"> ■ Individual Mini Study Report II 	<ul style="list-style-type: none"> ■ Each individual presents his/her complete mini study oral report about 40 minutes
	2021/06/14	Dragon Boat Festival Holiday	
17		<ul style="list-style-type: none"> ■ Individual Mini Study Report III 	<ul style="list-style-type: none"> ■ Each individual presents his/her complete mini study oral report about 40 minutes
18	2021/06/21	Course Wrap Up	

■ **Grading & Assessments**

Items	Percentage
1. Mini Study: Students are required to compose an original 20-25 page research paper by individual or group. Students practice simulating a thesis writing in the paper.	60%
2. Reflection of Individual Mini Study Reports by Peers: Students are required to write up a 5 pages of personal insights on the Peer's Individual Mini Study Reports .	25%
3. Participation 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%

■ Reference SRDA (Survey Research Data Archive)

<https://srda.sinica.edu.tw/register.php?do=finish>