國立台灣科技大學 114學年 第2學期　課程大綱

Spring 2026 NTUST Course Outline

授課教師：鄭海蓮

Instructor:Hi-Lian Jeng

課程名稱：教育研究法

Course Title：Educational Research Methodology

2026/11/3

課程代號： VE5009701 Course Code 學分數： 3 Credits	必選修：選修/半學年 Required/Electve:Elective/Half Yr. 先修課程： Prerequisites
節次教室： F6(T4-401-1) F7(T4-401-1) F8(T4-401-1) Time/Location	
專業核心能力： Core Professional Competencies	
課程網址： Course Website	
課程宗旨： Course Objectives	The goal of the course is to equip beginning graduate students with the ability to design and write research proposals in the fields of educational and social sciences. Course content and requirements are therefore both theory and application oriented. The course uses a flipped classroom approach, complemented by the platform Notion to assist online collaborative learning.
課程大綱： Outline of Lectures	1.Research ethics 2.Research designs/methods and their applications 3.Internal and external validity of designs and possible threats 4.Evaluation of strength and weakness of research designs in academic journal papers 5.Writing research proposals
授課方式： Method of Instruction	講授 Lecture：30% 分組討論 Group discussion：20% 案例研討 Case study：20% 操做練習 Practical exercises：30% 講授 Lecture：%
教科書： Textbooks	1.McMillan, J. H., & Schumacher, S. (2010). Research in education: Evidence-based inquiry (7th ed.). NJ: Pearson Education, Inc. 2.American Psychological Association (2020). Publication manual of the American Psychological Association (7th ed.). Washington, DC: Author. 3.Springer, K. (2010). Educational Research: A contextual Approach. John Wiley. & Sons. 4.Gall, M. D., Gall, J. P., & Borg, W. R. (2006). Educational Research: An Introduction (8th Ed.). NY: Allyn and Bacon.
參考書目： References	

5.宋曜廷主編（2012）。數位學習研究方法。台北市：高等教育。
6.Cook, T. D., & Campbell, D. T. (1979). Quasi-experimentation: Design & analysis issues for field settings. Boston: Houghton Mifflin.
7.Nicol, A. A. M., & Pexman, P. M. (2005). Presenting Your Findings. American Psychological Association, Washington, DC.
8.蔡今中（2010）。社會科學研究與論文寫作—成功發表秘笈（三版）。台北：高等教育。
9.黃國禎（2010）。由國科會計畫申請經驗談年輕學者應有的研究態度。人文與社會科學簡訊，11(4)，37-41。
10.畢恆達（2005）。教授為什麼沒告訴我。台北市：學富。
11.朱敬一（2006）。給青年知識追求者的信。台北市：聯經。

修課須知： Notice	本課程有助教
評量方式： Grading	1.Attendance 15% 2.Discussions 35% 3.Assignments (individual and group) 25% 4.Research proposal (individual) 25%
備註說明： Notes	1.本課程主要教材為英文，但授課、作業與報告皆以中文為主。 2.本課程利用Notion進行線上協作學習