

National Tsing Hua University
College of Technology Management
Course Syllabus

科號 Course Number	MPM501000	學分 Credit	3	人數限制 Size of Limit	16
中文名稱 Course Title	實證方法專題				
英文名稱 Course English Title	Topics in Empirical Methods				
任課教師 Instructor	廖肇寧、馮炳萱、林世昌				
教師聯絡方式 Contact Information	slin@mx.nthu.edu.tw				
上課時間 Time	S5S6S7	上課教室 Room	台積館 431 教室		
先修科目 Prerequisite(s)	MPM5004				
本課程對應之學習目標與核心能力 Aligned Learning Goals and Learning Objectives					
Get familiar with statistics and probability Learn different types of empirical methods such as linear models, nonlinear models, linear programming, and causal inference					
課程目標 Course Objectives					
Applied various econometric/ statistical methods to real policy issues					
課程說明 Course Description					
MPM students have learned basic statistics and probability. This course will provide students with advanced treatment on different estimation methods including linear models, non-linear models, linear programming, and causal inference. Those empirical methods will be illustrated using a variety of (real) empirical examples to help student understand the decision making process. Empirical applications from different area of public policies (e.g., industry, trade, environment, education, and labor) will be discussed in greater detail.					
指定用書 Textbooks					
Lecture notes TBA					
參考書籍 References					
TBA					

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教學方式 Teaching Approach

Lectures
Hand-on computer exercise

評分標準 Grading

[tentative and subject to change]
Participation: 40%
Assignment: 40%
Project: 20%

教學進度 Course Schedule

TBA

課程相關連接 Course Related Links