

IPHD 7005 Empirical Methods for Public Policy

NATIONAL TSING HUA UNIVERSITY

Fall 2019

Instructor: Eric S. Lin

Contact Information:

- Office: CTM-712
- E-mail: slin@mx.nthu.edu.tw
- Tel: 03-574-2729

Time and Location: TBA

Course Webpage: <http://mx.nthu.edu.tw/~slin/>

Secretary: RH Chen, E-mail: mba2@my.nthu.edu.tw

Course Description:

This course is designed for iPhD (i.e., International Intercollegiate Ph.D. Program at National Tsing Hua University) students majoring in education and public policy. This course aims to introduce a variety of research methods for conducting academic research in the area of public policy, including education, health, industry, law and so on. More specifically, we will review the basic econometric modelling and go into the area of program evaluation, which includes experiment (namely, RCT), panel data, instrumental variables, and DID & RDD.

IPhD students will gain a better understanding on executing an evidence-based policy evaluation. This course thus expects to bridge the students' future research by providing the cutting edge policy analysis tools and broad policy research agenda. Students will learn how to implement the introduced methods through executing an empirical project.

Requirement:

To take this course for University Credit you must register for the course (**IPHD 7005**). There are no prerequisites but knowledge on preliminary statistic is welcome. Enrollment is only open to the students of International Intercollegiate Ph.D. Program at National Tsing Hua University.

Textbook:

There will be no textbook for this course. We will use our own lecture notes and distribute assigned readings.

Grading Policy: The grading policy that counts toward the final grade is as follows.

Attendance (★)	20%
Assignment (★★)	40%
Project (★★★)	40%

(★): It is required for credit-taking students to show up.

(★★): 40 points are for assignments.

(★★★): 40 points are for students' oral presentation and final proposal.

References:

- Joshua D. Angrist and Jorn-Steffen Pischke, 2014, *Mastering 'Metrics: The Path from Cause to Effect*, Princeton University Press
- Wooldridge, J. M., 2013, *Introductory Econometrics: A modern approach*, 5th edition, South-Western.
- Stock, J. H. and M. W. Watson, 2011, *Introduction to Econometrics*, 3rd edition, Addison-Wesley.