

IPHD 7004 Reserach Method for Education and Public Policy

NATIONAL TSING HUA UNIVERSITY

Spring 2019

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Time and Location: TBA

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

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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 research methods for conducting academic research in the area of public policy, including education policy. More specifically, we will start with preliminary statistic review and then get into basic econometric modelling, including simple linear regression model, multiple regression model, structural equation model (SEM)

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.

Requirement:

To take this course for University Credit you must register for the course (**IPHD 7002**). 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%
Presentation (★★★)	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:

- Chuang, Hwei-Lin, Eric S. Lin and Shih-Yung Chiu. The Gender Wage Gap in the Financial Industry: Evidence from the Interindustry Ranking, *International Review of Economics & Finance*, 55, 246–258, 2018.
- Chuang, Hwei-Lin and Eric S. Lin. The Employment Status of Marriage Immigrants in Taiwan. *Advances in Pacific Basin Business, Economics and Finance Vol: 5*, 121–150, 2017.
- Chu, Jo-Yin and Eric S. Lin. The Learning Effectiveness About the Ability of Critical Thinking in General Courses and its Application of Institutional Research, *Journal of Education & Psychology*, 40(4), 29–62, 2017
- Lin, Ming-Chia and Eric S. Lin. The Role of Learning Antecedents and Quality in Predicting OpenCourseWare Utility: Preliminary Evidence from University and Public Learners. *International Journal on Digital Learning Technology*, 9(1), 71–104, 2017

- Lin, Ming-Chia and Eric S. Lin. Development of the College-Attendance Value Scale for Second-Year Students in Taiwan. *Higher Education Evaluation and Development*, 11(1), 38–54, 2017
- Lin, Eric S. and Yu-Lung Lu. The Causal Effect of the Cram Schooling Timing Decision on Math Scores. *Economics Bulletin*, 30(3), 2330–2345, 2010.
- Lin, Eric S. Gender Wage Gaps by College Major in Taiwan: Empirical Evidence from 1978-2003 Manpower Utilization Survey. *Economics of Education Review*, 29(1), 156–164, 2010.
- Lin, Eric S. and Shih-Yung Chiu. Can a Doctoral Degree Be Completed Faster Overseas Than Domestically? Evidence from Taiwanese Doctorates. *Higher Education*, 68(2), 263–283, 2014.
- Lin, Eric S. and Yu-Lung Lu. The Educational Achievement of Pupils with Immigrant and Native Mothers: Evidence from Taiwan. *Asia Pacific Journal of Education*, 36(1), 48–72, 2016.
- Lin, Eric S. and Shih-Yung Chiu. Does Holding a Postdoctoral Position Bring Benefits for Advancing to Academia? *Research in Higher Education* (Official journal of AIR), forthcoming, 2016.
- Lin, Ming-Chia, Hsiang Yu, and Eric S. Lin. Validating University Graduate Attribute Scale,” *Higher Education Evaluation and Development*, 8(1), 59–84, 2014.
- Lu, Yu-Lung, Stephen Chou and Eric S. Lin. Gender Differences in the Impact of Weight Status on Academic Performance: Evidence from Adolescents in Taiwan. *Children and Youth Services Review*, 46, 300–314, 2014.
- Yun, Myeong-Su and Eric S. Lin. Alternative Estimators for the Gender Wage Gap by Industry: A Normalized Equation Approach. *Pacific Economic Review*, forthcoming, 2016.