The Chinese University of Hong Kong, Fall 2019

ECON5121A: Econometric Theory and Applications

Instructor:

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Lecture Hours and Venue:

Monday 12:30—3:15 pm, 302 ELB

Dates: September 2, 9, 16, 23, 30;

October 14, 21 (**midterm**), 28;

November 4, 11, 18, 25

Topics (tentative):

This course is an entry-level graduate econometrics course. Knowledge of multivariate calculus, linear algebra, statistics and econometrics at the undergraduate level is prerequisite.

- Conditional expectation and linear projection
- Least squares estimator
- Basic asymptotic theory
- Hypothesis testing
- Panel data models
- Endogeneity and instruments
- Generalized method of moments

Textbooks:

- Hansen (2019): Econometrics (http://www.ssc.wisc.edu/~bhansen/econometrics/) *Downloadable for free*
- Stachurski (2016): A Primer in Econometric Theory *available at CUHK Bookstore*

Lecture Notes:

- https://github.com/zhentaoshi/Econ5121A

Evaluations:

- Assignment (10%)
- Midterm (45%): **Oct 21**
- Final (45%): **TBD**

Academic Honesty:

Attention is drawn to University policy and regulations on honesty in academic work, and to the disciplinary guidelines and procedures applicable to breaches of such policy and regulations. Details may be found at http://www.cuhk.edu.hk/policy/academichonesty/.