

Spring 2020

## MICRO-ECONOMETRICS (ECO 707)

### **Instructor:**

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### **Goal:**

The goal is to cover multivariate linear models, univariate nonlinear models, and multivariate limited dependent variable (LDV) models. The detailed topics can be found in the contents of the textbook listed below (Chapters 2, 3, 4 and 6).

### **Prerequisites:**

The students are required to have passed the first graduate econometrics course *with B or higher*, and have enough knowledge to implement OLS and IVE/GMM programs for linear models. For those lacking this background, a preparatory course will be held late January to the end of February, 2020; an announcement for this will be made early January, 2020, in the bulletin board for graduate students in the economics department website.

### **Evaluation:**

Participation and attendance random checks (10%)

Three or four data analysis homeworks (30% in total)

One exam near the semester end (40%)

Final data analysis project and its presentation (20%).

The data sets for the HW's will be provided. Each student should find a data set for his/her final project. The final project should be presented in class. No joint work for the final project will be allowed.

### **Textbook:**

Lee, Myoung-jae., 2010, Micro-Econometrics: Methods of Moments and Limited Dependent Variables (xxvii+770 pages), Springer. This book sells at about \$90 at [www.amazon.com](http://www.amazon.com). Alternatively, you may visit the Springer website to buy each chapter (pdf files) separately; the preface, Chapter 1 and the appendix are free. At the time of this writing, the Korea University has a free access to the entire e-book at the Springer website through the Korea University e-library.

**Remarks:**

1. It is essential to make independent efforts for each HW and the final project. Plagiarizing other students' works or allowing other students to copy your own work will result in a failing grade for both parties.
2. No late submissions will be given the full credit, no matter how closely they are late. If submitted within 24 hours after the deadline, 50% of the full credit will be given at maximum. All submissions later than 24 hours will be given zero credit.
3. No sitting in on the course or auditing is allowed unless the instructor's consent is given explicitly.
4. Learning GAUSS is mandatory, which will be made available free of charge. There might be some GAUSS programming questions in the final exam.
5. Occasionally, the class will be held Saturday afternoon (1-4pm), particularly in the first half of the semester; you should have this time period available.