ECON4720: Econometric Methods

Fall 2018, University of Virginia

Instructor: Lidia Kosenkova, **email:** lidia.kosenkova@virginia.edu

Lecture: Monday and Wednesday 2:00PM-3:15PM, Monroe Hall 116

Office hours: Tuesday 10:00AM-12:00PM, Monroe Hall 247

Teaching Assistant: Kyeongtak Do, **email:** kd5tt@virginia.edu

Discussion Sections: Friday 1:00PM-1:50PM, Monroe Hall 118

Friday 2:00PM-2:50PM, Wilson Hall 238

Office Hours: Monday 12:00PM-2:00PM, Monroe Hall basement

Textbook: James Stock and Mark Watson, "Introduction to Econometrics", 3rd Edition,

Updated edition, ISBN: 9780133486872.

Grading: Problem sets **(10%)**

Midterm 1 **(20%)**

Midterm 2 **(30%)**

Final **(40%)**

Homeworks

You may discuss the problem sets with your classmates but you must submit your original individual answers. The teaching assistants will grade your submitted problem sets. Problem sets should be turned in at the beginning of class on the day that they are due. Late homework will not be accepted and there will be no extensions. Please write clearly. Any questions that you may have about the grading should be addressed to the teaching assistants no later than one week after the graded homework is handed out. The lowest grade you receive on one of the problem sets (which could be zero if a student does not submit a solution on time) will be dropped when evaluating your overall grade on problem sets.

Exams

There will be no makeup midterms. If you miss a midterm, and have a Dean's excuse, the weight of the missed exam will be reallocated to the final exam, regardless of the respective means of the individual exams.

The final exam is comprehensive, so you will be responsible for all the material covered in this course. The time of the final will be set up by the University and will not be moved under any circumstances.

Exams will be closed book, but you will not need to memorize a bunch of formulas. For each exam, you will be given a set of formulas and notes prepared by me.

Course Outline

- Review of probability and statistical concepts being used in econometrics (Chapters 2, 3)

- Linear regression models with single and multiple regressors, hypothesis testing, confidence intervals, nonlinear regressions (Chapters 4-9)

- Binary dependent variables, instrumental variables, experiments (Chapters 11-13)

- Panel Data (Chapter 10)

- Time series analysis (Chapters 14-16)