TOBB-ETU, Economics Department
Applied Macroeconomics (IKT 441)
Ozan Ekşi

Contact Information

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Office Hour: Monday, 12:30:14:20, or by making an appointment via e-mail

Overview: This course introduces students to important concepts and methods used in the empirical analysis of macroeconomic problems. During the course, you will have the opportunity to apply the learned techniques using Stata and E-views.

Prerequisites: **IKT 253 & IKT 351.**

Computer Sofware: You need to acquire the Stata/IC (which is available for 45$) and the student version lite of E-views (which is free). **Bringing your laptop to the class is mandatory.**

Lecture Notes and Textbook: We will refer to *Introductory Economics, A modern Approach of Jeffrey M. Wooldridge* and to online lecture notes of Ambrogio Cesa-Bianchi. Additional material will be posted on my webpage.

Homeworkss: There will be several homeworks throughout the course. You are allowed (and advised) to do homeworks in a group of 2 people, but not more. You may hand in one copy of the solutions for each group. Late submissions will not be accepted

Grading: There will be one mid-term exam (%50) and one final exam (%50). Each homework and pop quiz will count for %5 of your total grade, and in this case the weight of the relevant exam will reduce by this amount.

Course Attendance: According to the rules designed by University Administration, your absence not to exceed more than %30 of the total hours of the course. If it exceeds, I do not fail you but reduce your overall grade-which is evaluated over 100-up to 10 points. The absences between (%30,%100) will be evaluated in (0,-10) interval.

Course Plan

Week 1-2 : Introduction to Statistics

    Sample Distribution
    Confidence Intervals
    Hypothesis Test
    OLS Estimation
    Introduction to Stata

Week 3-4: Regression Analysis with Cross-Sectional Data

    Endogeneity Problem
    GMM and IV Estimations

Week 5-6: Regression Analysis with Time-Series Data

    Stationary Time Series Models
    ARIMA Estimation

Mid-term Exam

Week 7-8: Regression Analysis with Panel Data

Week 9-10: Structural VARs

Week 11-12: Estimation of Structural VARs

Final Exam