

FACULTY OF ECONOMICS, ADMINISTRATIVE AND SOCIAL SCIENCES

DEPARTMENT OF ECONOMICS

1st Semester

Critical Thinking: Everyday life displays a rich dynamics within which we try to think things through to logical conclusions; distinguish between solid arguments on the one hand and stupid ones on the other; determine the value of claims, often for competing goods, that others are presenting and make efforts to figure out what to believe or not to believe based on the evidence that is given; gauge the probability of whether something might or might not occur; and thoughtfully construct arguments to present to others in a variety of conversational situations. The purpose of this course is to make you more skilled in these kinds of everyday reasoning.

Business: Basic concepts and principles of organization and management, Description of function of management: Planning, organizing, directing and controlling, Motivation, Leadership, Role of the Manager in organization, Role of the Entrepreneur in organization, Legal Structures of Enterprises, Business combination.

2nd Semester

Mathematics for social sciences: In this course, Sets and Numbers, Equations and Inequalities, Functions, Logic, Mounting Argument and Proof Methods, Derivatives, Integral, Probability, Matrix and matrix transactions will be studied.

Economics: Students that follow the course will have ability to understand topics; Supply and Demand, market mechanism, Quotas and Price Ceilings, Utility and consumer theory, Production organisation and costs, supply and pricing in perfect competition market and monopoly, imperfect markets, monetary policy, AS-AD analysis, Macroeconomic policy.

3rd Semester

Mathematics for economists: Upon successful completion of the course, students will be able to; Formalizing economic phenomena by using basic mathematical tools, Solving optimization problems, Drawing intuitive conclusions from mathematical models, Interpret graphs of functions, writing mathematical definitions, make financial calculations by using the tools developed in the course

Microeconomics: Main topics of the course: Analysis of economic problems, supply and demand analysis, Consumer preferences and utility notion, Demand theory, Inputs and production functions, costs and cost minimization, cost curves, perfect competition markets, monopolistic and monopsonic markets, Market structure and competition, Game theory and strategic interactions, Risk and information

Statistical applications I: The course covers thinking about research issues in a statistically sound and practical fashion. Students will learn how to formulate and ask the right questions, how to collect data effectively, how to summarize and interpret information, and how to understand the limitations of statistical inferences. Main topics of the course; Identification of data, Probability theory, Discrete

random variables and probability distribution, Continuous random variables and probability distribution, Sampling and sampling distribution.

4th Semester

Macroeconomics: In this course, Main notions in macroeconomics, good markets and financial markets, IS-LM model, AS-AD model, Labour market, Unemployment and inflation, economic growth, Open economy macroeconomics, monetary policies and fiscal policies will be studied

Accounting: This course is an introduction to the basic concepts and standards underlying financial accounting systems. Several important concepts will be studied in detail, including: revenue recognition, inventory, long-lived assets, present value, and long-term liabilities. The course emphasizes the construction of the basic financial accounting statements - the income statement, balance sheet, and cash flow statement - as well as their interpretation.

Statistical applications II: The course covers thinking about research issues in a statistically and practical fashion. Students will learn how to formulate and ask the right questions, how to collect data effectively, how to summarize and interpret information, and how to understand the limitations of statistical inferences. Main topics of the course; Point estimation and features of estimators, Estimation methods, Interval estimation, Hypothesis testing, Correlation and simple regression, multiple regression analysis, Chi-square distribution applications, Time series analysis.

5th Semester

Introduction to econometrics: This course covers Simple Regression Analysis, Properties of Regression Coefficients and Hypothesis Testing, Multiple Regression Analysis, Transformation of Variables, Specification of Regression Variables, Heteroscedasticity, Stochastic Regressors and Measurement Errors, Simultaneous Equations Estimation, Modelling Dynamic Processes, Autocorrelation, Logit and probit (binary choice models)

Money and Banking: The Money and Banking course teaches the role of money, credit, and financial institutions in the economy. Topics include commercial banks, thrifts, credit unions, central banks, credit markets, and monetary theory and policy. It emphasizes the effects of structural change, globalization, financial innovation, and technology on the financial environment.

6th Semester

Public Economy: At the first part of the course the issues of equity, efficiency and the role of the state, market failure, public goods and externalities, and environmental policy will be studied. Then, the course will focus on education policies, social insurance programs. In second part, we look to taxation, behavioural responses and the design of tax policy and then the income distribution and the effects of taxes and transfers on labour supply and migration will be examined. At the last part, the course is devoted to the question of development and public finance.

International Economics: An introduction to major issues in international trade and finance as well as the conceptual frameworks for understanding these issues. Topics include: theories of international trade, trade policy, multilateral and regional trade agreements, foreign direct investment,

international financial markets and capital mobility, exchange rate regimes, macroeconomic stabilization policies in the open-economy setting.

7th Semester

Game theory: This course provides a rigorous treatment of non-cooperative solution concepts in game theory, including rationalization and Nash, sequential, and stable equilibria. It covers topics such as Solution Concepts for Static Games, Solution Concepts for Extensive-form Games, Equilibrium Concepts for Games with Imperfect Information, Signalling and Forward Induction, Repeated Games, Super modular Games, Global Games, Cooperative Games.

8th Semester

Turkish economy: Analysis and plausible estimations of economic policies pursued in Turkey and their consequences, economic crisis and economic agenda of Turkey. Statist period, Turkish economy in 2. World war conditions, 1950-1960 period, 1960-1980 period, strategy of import substitution based industrialization, Decisions of 24 January 1980, Problems and reforms interested in financial structure in Turkish economy, 1989 transformation- reasons and consequences, 1990s- financial crisis, 2003-2008 economic improvement period, export oriented industrialization, World and Turkish economy after global recession.

Elective Major Area Courses

Advance Microeconomics: This is an advanced course in microeconomic theory. The course covers the main topics of microeconomics; consumer and producer behavior, partial and general equilibrium, behavior under uncertainty, game theory and asymmetric information.

Advance Macroeconomics: This is an advanced course in macroeconomics that is divided into two sections. The first half covers topics such as how to formulate and solve optimization problems. The second half, covers recent work on multiple equilibria, global games, and informational fictions.

Behavioral Economics: This course provides information about how predictions of economic behavior differ when several assumptions that simplify economic models are replaced with psychologically realistic assumptions based on empirical observations from the lab and from the world.

Time Series Analysis: The course will provide a basic introduction to modern time series analysis. Main topics of this course are time series regression, ARMA/ARIMA models, model identification/estimation/linear operators, Fourier analysis, spectral estimation, and state space models.

Economic growth: This course is intended as a broad and relatively non-technical overview of both facts and theories related to economic growth. The main focus will be on understanding the substantial increase in average living standards that has taken place in industrialized economies over the past two centuries.

Monetary economics: The course focuses on the issues of monetary policy implementation in a closed economy contexts, money creation and monetary transmission mechanisms, inflation and expectations, neutrality of money, the Real Business Cycle Model, classical and Keynesian approaches to the monetary policy and discusses their empirical evidence, time inconsistency in monetary policy, uncertainties in monetary policy design.

Applied Econometrics: This course gives students a solid foundation in econometric techniques. At the end of this course, students have better understanding on issues in collecting data, statistics methods and economic theory by applying theoretical information to practical exercises.