ALANYA ALAADDIN KEYKUBAT UNIVERSITY INSTITUTE OF GRADUATE EDUCATION
DEPARTMENT OF ECONOMICS
PHD PROGRAM IN ECONOMICS

I. YEAR – I. SEMESTER

COURSE CODE	COURSE TITLE	HOURS			ECTS	CONTENT
		T	U	L		
LEE 671	PHD SPECIALIZATION AREA COURSE	4	0	0	8	Transfer of knowledge, skills, and experiences in the scientific field where the advising faculty member specializes to students; instilling principles of scientific ethics and work discipline, enhancing the ability to follow and evaluate current literature. Topics determined by the student's thesis advisor.
LEE 681	PHD CONSULTANCY	0	1	0	1	Conceptual and practical studies related to the thesis topic.
IKT 601	ADVANCED SCIENTIFIC RESEARCH METHODS AND ETHICS	3	0	0	7	The main aim of this course is to ensure that doctoral students can conduct scientific studies in accordance with scientific ethics and rules during their course and thesis period. It aims to make students proficient in fundamental discussions about science and the philosophy of science and in designing and conducting scientific studies (articles, papers, reports, books). By the end of the term, it is intended that students gain the thinking style required for scientific research. discussions about science and the philosophy of science and in designing and conducting scientific studies (articles, papers, reports, books). By the end of the term, it is intended that students gain the thinking style required for scientific research.
IKT 603	MICROECONOMIC ANALYSIS	3	0	0	7	Microeconomic Analysis covers the economic, technical, and mathematical dimensions of the relationships of consumers and producers with the goods and services market. The aim is to examine the topics in a theoretical framework, explaining partial equilibriums between economic decision units and the goods and services market in perfect competition, and the state's interventions in the perfect competition market. It also analyzes oligopoly, monopolistic competition, and other imperfect competition markets within the framework of game theory. Special markets with incomplete information and uncertainty, externalities, and state interventions are also discussed.
IKT 611	TIME SERIES ANALYSIS	3	0	0	7	This course covers theoretical models for the economic analysis of time series and introduces students to numerous applications of these models. The course gives equal time to theory and applications, with a focus on applications in assignments and exams. It starts with a review of necessary basic knowledge in statistics and econometrics, discussing difference equations and regression operators. Topics include stationary ARMA models, ARCH, GARCH models, and VAR techniques, followed by non-stationary time series, unit root analysis, and ARIMA models. The course concludes with discussions on Engle-Granger, Johansen, ARDL boundary test cointegration approaches, and forecasting with time series. Software applications include GRETL, EVIEWS, and R packages.
IKT 613	ECONOMIC DOCTRINES	3	0	0	7	This course addresses one of the most significant areas of economics by examining modern economic trends from a historical perspective and explaining the stages up to the present. It covers the historical development of the market system, analyzing major economic thoughts and their alternatives. Initially, it provides a general framework for the dynamic relationships between theories and the historical development of the market system. Each school of thought is then examined chronologically.
IKT 615	WELFARE ECONOMICS	3	0	0	7	The foundations of welfare economics. Welfare indicators. Compensation principle and social welfare function: measurability and comparability, optimal distribution of welfare and income. Measurement of welfare changes. Market failures. Social choice. Property rights and rights mechanisms, Coase's intergenerational equity. Methods used in solving the preference revelation problem: survey data, Clarke-Groves mechanism, travel cost method, hedonic pricing. Cost-benefit analysis. Risk: attitudes towards risk, welfare analysis of risky projects, the value of information, and irreversibility in decisions.
IKT 617	FINANCIAL ANALYSIS TECHNIQUES	3	0	0	7	Financial statement analysis is an essential tool used by analysts, investors, managers, and other stakeholders to make effective and efficient decisions. This course is designed to equip students with the knowledge and skills necessary to analyze financial statements effectively and efficiently by introducing fundamental concepts, tools, and techniques used in financial statement analysis.
IKT 619	INTERNATIONAL ECONOMIC ANALYSIS	3	0	0	7	International trade policies, tariffs, and non-tariff trade barriers. The impact of GATT and the World Trade Organization on global trade. Classical and neoclassical international trade theories, terms of trade, trade multiplier, balance of payments theories and analysis, international trade transactions, policies of production factors, the impact of foreign economic relations on development, international economic integrations, and the global monetary system.
IKT 621	ENERGY ECONOMICS	3	0	0	7	An Overview of Energy Economics, Energy Statistics, Energy Flows, Fundamentals of Supply, Demand, and Price Formation in Competitive Markets, Energy Demand: Short- and Long-Term Price and Income Elasticities, Energy Supply and the Economics of Exhaustible Resources, World Oil Markets and Energy Security, Natural Gas Price Regulation, Liberalization and Markets, Electricity, Coal, Nuclear Energy, Renewable Energy Policies, Energy Efficiency Policies, Energy, Futures Markets and Derivatives, Energy and Climate Change, Internalizing Environmental Externalities with a Focus on CO2 Emission Cap and Trade Mechanisms.
	Total				30	

I. YEAR – II. SEMESTER

COURSE CODE	COURSE TITLE	HOURS			ECTS	CONTENT
		T	U	L		
LEE 672	PHD SPECIALIZATION AREA COURSE	4	0	0	8	The course aims to transfer the knowledge, manners, and experiences of the advisor's scientific field to the students, inculcate scientific ethics and work discipline, and develop the ability to follow and evaluate current literature. The topics are determined by the student's thesis advisor.
LEE 682	PHD CONSULTANCY	0	1	0	1	Determining the thesis topic, defining research methods, and thesis preparation.
IKT 602	MACROECONOMIC ANALYSIS	3	0	0	7	Introducing macroeconomic models and their characteristics within the framework of general equilibrium, analyzing the connection between aggregate expenditure (AE) and aggregate income (Y), and the interaction between the IS-LM model when interest rates change. It explains the relationships between aggregate supply (AS) and aggregate demand (AD) models and their interpretation. The analysis covers the interactions between total expenditure and total income models and AS-AD models, and the relationship between unemployment and inflation.
IKT 620	PANEL DATA ANALYSIS	3	0	0	7	This course includes Panel Data Modeling Strategy, cross-sectional dependency and homogeneity tests, LM and CD tests, Pesaran and Yamagata Delta tests, unit root tests, cointegration tests (Pedroni tests, Westerlund ECM test, Westerlund & Edgerton LM test, Westerlund multiple structural break cointegration test), and estimators (Panel ARDL, Panel FMOLS, Panel DOLS, Bai&Kao, Westerlund BAOLS, Pesaran CCEG, Panel AMG, Panel VAR, and Panel causality). Software applications include GRETL, EVIEWS, and R packages.
IKT 622	ECONOMIC POLICY	3	0	0	7	Basic concepts of economic policy, factors accelerating the development of economic policy, basic elements of economic policy, balance of goals and tools, implementation of economic policy, economic policy and macro theories, Keynesian macro theory, and economic policy, rational expectations theory, and economic policy.
IKT 624	ECONOMIC GROWTH	3	0	0	7	Reminder of basic concepts and measurement techniques used in growth analysis, analysis of different types of growth in the literature, analysis methods of growth sources, evaluation of Turkey's recent growth performance, classical growth/distribution model, Neo-Keynesian growth models, Solow model under fixed technology assumption, technological development under the Solow model, analysis of Hicks, Solow, and Harrod types of technological progress. Alternative theses on growth: Neo-Ricardian growth and Marxist growth, Solow model extended with human capital, Mankiw-Romer-Weil growth model, endogenous growth models, AK model, Lucas-Uzawa human capital model, Romer's R&D model, Aghion-Howitt model, Barro model, endogenous growth and foreign trade relationship, new institutional economics, and growth, Turkey's economic growth process and structural change, sources of growth in Turkey, investment strategies and growth, global crises and their impact on growth.
IKT 626	GAME THEORY	3	0	0	7	This course presents the basic solution methods and applications of game theory. Game theory is used to examine strategic interactions in various contexts in social sciences. Companies must predict the actions of other individuals, competitors, buyers, sellers, regulators, and others when making decisions. Game theory is the most appropriate methodological tool for examining such interactions. The course first explains solution methods used in game theory models (dominance, Nash equilibrium, backward induction, commitment, credibility, Bayesian equilibrium) and then presents applications in economic and social situations.
IKT 628	FINANCIAL ECONOMICS	3	0	0	7	The course focuses on the functioning of the financial structure, financial markets, and institutions. It covers developments in financial markets and their effects, using an equal amount of quantitative techniques and explanatory information. Examples from the market are provided to establish a connection with the theoretical framework. The course aims to enhance students' knowledge of the structure of financial markets and the characteristics of securities traded in these markets, such as bonds, stocks, and derivatives. It introduces the basic principles of portfolio theory, equilibrium in asset pricing, and determining the values of financial assets. The relationship between economics and finance is established. By the end of this course, students will be able to understand security pricing techniques, use economic analysis tools to understand the functioning of financial markets, and relate financial markets to the economic system. Modern finance models and their interrelation with economics.
IKT 630	TOURISM ECONOMICS	3	0	0	7	The course content aims to provide students with general knowledge and foresight about the basic concepts in tourism economics, the global and European tourism markets, and the Turkish tourism market. It covers the economic structure of the tourism sector and the economic impacts of tourism, and enables students to make comments on its general condition. The course includes the following topics: Basic Concepts and Definitions Related to Tourism Economics, Tourism Product and Its Characteristics, Economic Impacts of Tourism, Measurement of Economic Impacts of Tourism, Analysis of Tourism Market: Tourism Supply and Demand, Price Phenomenon in Tourism Sector, The Effect of Real/Nominal Exchange Rates and Euro on Tourism Sector, Product Differentiation and Marketing in Tourism Sector, Tourism Sector and Environmental Economics, Tourism Sector and Information Economics, The Impact of Devaluation Practices in Turkey on the Tourism Sector, The Effect of Tourism Sector in Reducing Interregional Development Disparities, The Relationship Between Tourism and Economic Growth in Developing Countries, The Effect of Tourism in Preventing Poverty and Microcredit System.
	Total				30	

II. YEAR – III. SEMESTER

COURSE CODE	COURSE TITLE	HOURS			ECTS	CONTENT
		T	U	L		
LEE 673	PHD SPECIALIZATION AREA COURSE	4	0	0	8	The course aims to transfer the knowledge, manners, and experiences of the advisor's scientific field to the students, inculcate scientific ethics and work discipline, and develop the ability to follow and evaluate current literature. The topics are determined by the student's thesis advisor.
LEE 683	PHD CONSULTANCY	0	1	0	1	Determining the thesis topic, defining research methods, and thesis preparation.
IKT 600	PHD SEMINAR	0	2	0	7	Selecting research topics according to students' areas of interest, planning and conducting research in stages, and presenting research results.
IKT 607	PHILOSOPHY OF ECONOMICS	3	0	0	7	Philosophy of economics deals with conceptual, methodological, philosophical, and ethical issues in economic theory and practice. The course addresses questions such as: What can the philosophy of science teach us about economic methodology? What justifies or makes a particular conclusion in economics correct? How do economic models work? Is economics a science? What are the implications of modeling people as utility maximizers pursuing personal interests in economics? What are the ethical implications of efficiency-based reasoning in economics, and what are the alternatives to efficiency-based reasoning? Topics include concepts such as choice, rationality, irrationality, realism, models, prediction, and explanation, as well as key issues such as general equilibrium, methodological individualism, and formalism. By the end of the course, students will have a methodological perspective to evaluate economics as a social science.
IKT 631	ECONOMIC DEVELOPMENT	3	0	0	7	The development of development economics as a science, concepts of development, growth, industrialization, and progress, characteristics of development economics, measurement of development, the phenomenon of underdevelopment, Traditional Economics Modernization Theories, Economic Structure and Development, Structural Differentiation, Modernization theories explaining underdevelopment; Vicious Circle Theories, Dual Structure Theory, Historical Development Stages Theory, Population trap approaches, Optimum Population approach, Income distribution approaches, Development with Unlimited Labor Supply, Balanced and Unbalanced Development Theories, Big Push Theories, Classical Marxism and Development, Dependency Theories, Globalization, new economy, and information society, Changing development understanding, New development approaches - Neo-Liberal development Theories, Human sustainable development theories, Environmental Development, Criticism of Development Theories, Traditional and new development strategies, Financing Development
IKT 633	AGRICULTURAL ECONOMICS	3	0	0	7	The subject and purpose of agricultural economics, characteristics of agricultural activities, the importance of the agricultural sector in economic development, the role of agriculture in the Turkish economy (agricultural land, production and yield, agricultural production index, exports, the share of agriculture in national income, fixed capital investments), characteristics of agricultural enterprises, general problems of Turkish agriculture, agricultural production tools (natural resources, entrepreneur and capital), annual activities of agricultural enterprises, business expenses, purchase cost and opportunity cost, measurement of business successes (gross production value, gross income, net income, agricultural income, gross profit, net profit).
IKT 635	INTERNATIONAL MONETARY THEORY AND POLICY	3	0	0	7	Definition of Balance of Payments by Considering Account Groups of the Balance of Payments, Definition of Balance of Payments from the National Income Balance Equation, Traditional and Dynamic Approaches in Balance of Payments Equilibrium, Nominal Exchange Rate, Purchasing Power Parity, and Real Exchange Rate, Devaluation and Foreign Trade, J Curve, Traditional and Dynamic Approaches to Determining Exchange Rates, Exchange Rate Systems: Fixed Exchange Rate System, Free Exchange Rate System, Intermediate Systems, Turkey's Balance of Payments, Current Account Deficit Problem, Foreign Capital, Short-Term Capital Movements, Hot Money, Exchange Rate Systems Implemented in Turkey, Exchange Rate Policies, Currency Substitution, Inflation, Seigniorage and Exchange Rates, Exchange Rates in Turkey, Interest, Inflation, Current Account Deficit, Currency Crises in the World and Turkey.
IKT 637	HEALTH ECONOMICS	3	0	0	7	Health economics is a branch of science that deals with the efficient use and allocation of resources in the health market. This course aims to teach students how to use microeconomic tools and theories to examine issues in health and medical services. It examines the demand for health and medical services by considering them as commercial goods, the economic explanations of the behavior of health service providers (hospitals and doctors), the functioning of the health insurance market, and the financing of health services in Turkey, the United States, Europe, and some other countries.
IKT 639	ECONOMICS AND POLICY OF TECHNOLOGY	3	0	0	7	Analyzing the economic dynamics and outcomes of technological development in the context of different economic theories; revealing the theoretical foundation of the relationship between development and industrialization in developing countries with science-technology policies.
IKT 641	EUROPEAN UNION AND ECONOMIC INTEGRATION	3	0	0	7	The course covers the basic principles and current issues related to the European Union. Before examining the European Union economy, the structure of the main institutions of the European Union and various integration theories will be analyzed. Subsequently, the economic analysis of the subject will be emphasized considering the institutional structure. The course consists of two parts. The first part focuses on why and how nations prefer economic integration and the determinants of the patterns that constitute economic integration. This part is mainly theoretical and involves studying and summarizing a significant amount of literature. The second part of the course examines the effects of various forms of integration, particularly the European Union.
IKT 643	APPLIED ECONOMETRICS	3	0	0	7	The use of some econometric software and programs used in modeling economic data (R, JAMOVI, GRETL, and EVIEWS), univariate time series analysis, multivariate models, modeling long-term relationships, modeling volatility and nonlinear time series analysis, the use of artificial intelligence applications in econometric analyses.
	Total				30	

II. YEAR – IV. SEMESTER

COURSE CODE	COURSE TITLE	HOURS			ECTS	CONTENT
		T	U	L		
LEE 674	PHD SPECIALIZATION AREA COURSE	4	0	0	8	The course aims to transfer the knowledge, manners, and experiences of the advisor's scientific field to the students, inculcate scientific ethics and work discipline, and develop the ability to follow and evaluate current literature. The topics are determined by the student's thesis advisor.
LEE 684	PHD CONSULTANCY	0	1	0	1	Determining the thesis topic, defining research methods, and thesis preparation.
IKT 690	PHD QUALIFICATION EXAM	0	0	0	21	Preparation for the qualification exam according to students' study areas.
	Total				30	

III. YEAR – V. SEMESTER

COURSE CODE	COURSE TITLE	HOURS			ECTS	CONTENT
		T	U	L		
LEE 675	PHD SPECIALIZATION AREA COURSE	8	0	0	8	The course aims to transfer the knowledge, manners, and experiences of the advisor's scientific field to the students, inculcate scientific ethics and work discipline, and develop the ability to follow and evaluate current literature. The topics are determined by the student's thesis advisor.
LEE 685	PHD CONSULTANCY	0	1	0	1	Determining the thesis topic, defining research methods, and thesis preparation.
LEE 691	PHD THESIS PROPOSAL	0	0	0	21	Determining the thesis topic, defining research methods, and preparing the thesis proposal.
	Total				30	

III. YEAR – VI. SEMESTER

COURSE CODE	COURSE TITLE	HOURS			ECTS	CONTENT
		T	U	L		
LEE 676	PHD SPECIALIZATION AREA COURSE	8	0	0	8	The course aims to transfer the knowledge, manners, and experiences of the advisor's scientific field to the students, inculcate scientific ethics and work discipline, and develop the ability to follow and evaluate current literature. The topics are determined by the student's thesis advisor
LEE 686	PHD CONSULTANCY	0	1	0	1	Determining the thesis topic, defining research methods, and thesis preparation.
LEE 692	PHD THESIS I	0	0	0	21	Determining the thesis topic, defining research methods, and thesis preparation.
	Total				30	

IV. YEAR – VII. SEMESTER

COURSE CODE	COURSE TITLE	HOURS			ECTS	CONTENT
		T	U	L		
LEE 677	PHD SPECIALIZATION AREA COURSE	8	0	0	8	The course aims to transfer the knowledge, manners, and experiences of the advisor's scientific field to the students, inculcate scientific ethics and work discipline, and develop the ability to follow and evaluate current literature. The topics are determined by the student's thesis advisor
LEE 687	PHD CONSULTANCY	0	1	0	1	Determining the thesis topic, defining research methods, and thesis preparation.
LEE 693	PHD THESIS II	0	0	0	21	Determining the thesis topic, defining research methods, and thesis preparation.
	Total				30	

IV. YEAR – VIII. SEMESTER

COURSE CODE	COURSE TITLE	HOURS			ECTS	CONTENT
		T	U	L		
LEE 678	PHD SPECIALIZATION AREA COURSE	8	0	0	8	The course aims to transfer the knowledge, manners, and experiences of the advisor's scientific field to the students, inculcate scientific ethics and work discipline, and develop the ability to follow and evaluate current literature. The topics are determined by the student's thesis advisor.

		T	U	L		
LEE 688	PHD CONSULTANCY	0	1	0	1	Determining the thesis topic, defining research methods, and thesis preparation.
LEE 694	PHD THESIS III	0	0	0	21	Determining the thesis topic, defining research methods, and thesis preparation.
	Total				30	
Abbreviations: T: Theoretical U: Practical L: Laboratory						