Course Description

751701 MICROECONOMIC THEORY

3(3-0-6)

Pre: None

Theory of consumer behavior and theory of the firm including an analysis of uncertain and certain situations; theory of price determination under various market structures; aggregation theory; general equilibrium analysis

751702 MACROECONOMIC THEORY

3(3-0-6)

Pre: None

Modern macroeconomic theory; theory of consumption, theory of investment demand, the Keynesian and classical models of employment, interest and money, fiscal monetary policies and macroeconomic theory of distribution; inflation theory; growth theory and income distribution.

751703 **ECONOMETRICS**

3(3-0-6)

Pre: None

The General Linear Model, Statistical Properties of the Least Squares Estimator, The Linear Restriction Estimator, Multicollinearity, Generalized Least Squares Method, Heteroscedasticity, Autocorrelation, Model Selection, Models for Panel Data, Systems of Regression Equations, Instrumental Variable, Generalized Method of Moment, Maximum Likelihood Estimator, Limited Dependent Variables, Binary Choice Model, Multiple Choice Model, Ordered Data Model, Truncated Data Model, Sample Selection Model, Count Data Estimator, Duration Model Estimator, Quartile Estimator, Bayesian Estimator, Extreme Estimator

751705 **OUANTITATIVE ANALYSIS IN ECONOMICS**

3(3-0-6)

Pre: None

Maxima and Minima of objective functions using calculus; matrix algebra; economic and econometric models; linear and multiple regression; problems and applications of mathematical and econometrical techniques.

Pre: None

The significant features of world economy in the aspects of expenditures, production, investment, income distribution, finance, etc. The essential concepts of world's financial and economic institution; integrated relationship of international economic institutions and Thai economy; an international funding mechanism, economic policies, economic and social development, and tendencies of the world economy changes

751708 RESEARCH METHODS IN ECONOMIC

3(3-0-6)

Pre: At least 2 courses in economics at 700 level

The use of mathematics, statistics and econometrics in researching economic problems; identification of problems; hypotheses setting; model building for hypotheses testing; analysis of results and research presentation at various levels.

751711 MATHEMATICAL ECONOMICS

3(3-0-6)

Pre: None

Matrix and vector analysis; economic models; comparative static analysis, dynamic analysis; continuous and discrete time; modern growth model and the mathematical problem of choice in situations involving risk.

751712 ECONOMIC AND BUSINESS FORECASTING

3(3-0-6)

Pre: Consent of the instructor

Role and importance of economic and business forecasting focusing on quantitative and qualitative methods. Criteria used in selecting appropriate quantitative methods for forecasting. Integrating qualitative and quantitative methods in forecasting. The applications of economic and business forecasting in short term, medium term and long term.

751714 APPLIED OPERATIONAL RESEARCH IN

3(3-0-6)

ECONOMICS

Pre: Consent of the instructor

Linear and nonlinear programming and its application in economic evaluation of decision making for planning, forecasting and business administration.

Pre: 751701

Production theory and productivity measurement, estimation methods involving production economics, risk and uncertainly in production, externalities, role of human, capital and information.

751716 APPLIED ECONOMETRIC TIME SERIES

3(3-0-6)

Pre: None

Difference equations. Stationary time series model. Modeling economics time series. Testing for trends and unit roots. Multiequation time-series models. Contegration and error correction models.

751719 SELECTED TOPICS IN QUANTITATIVE

3(3-0-6)

ECONOMICS

Pre: None

Selected topics in quantitative economics; theory, application, or empirical studies which were not studied or emphasized in other courses.

751721 WELFARE ECONOMICS

3(3-0-6)

Pre: None

Concepts and theories on welfare of society; welfare criterion; externalities; economics of scale; decreasing cost industries; problems and solutions of monopoly; analysis of public utilities.

751722 ECONOMICS OF INDUSTRIAL ORGANIZATION

3(3-0-6)

Pre: None

Concepts of market structure, conduct and performance. Determinants of market structure and basic conditions, firm's conduct in term of price and product policies under alternative market structures. Appropriate standards for evaluation of the economic and social performance of the business sector, government policy and welfare analysis under the framework of structure-conduct-performance.

751723 COMPARATIVE ECONOMICS

3(3-0-6)

Pre: None

Capitalism, Marx's theory, socialism and problems involved in the economics planning of each system studied.

Pre: Consent of the instructor

Economic optimization, analysis and application of demand and supply principles, production and cost, and pricing practices. Economic environment and policies that affect business operation.

751725 PUBLIC ECONOMICS AND BUSINESS POLICY 3(3-0-6)

Pre: None

Current issue in public economics, such as market failure, public goods, public choice, externalities, economic growth and stability, and income distribution; implementation of fiscal measures to get high efficiency of resource allocation, government regulations on business activities, decision-making within the firm under different regulatory environments.

751726 ECONOMIC THEORY OF INVESTMENT IN 3(3-0-6) FINANCIAL MARKETS

Pre: Consent of the instructor

Basic investment concepts, modern developments of investment theory, and analysis for valuation of securities.

751727 PROJECT PLANNING AND PROJECT 3(3-0-6) APPRAISAL

Pre: Consent of the instructor

Economic and social aspects of project planning and preparations. Financial and economic feasibility analysis. Cost and benefit analysis of the project. Project selection and preparation. Selected case studies.

751728 PROJECT MANAGEMENT AND EVALUATION 3(3-0-6)

Pre: 751727

Principles and methods of project evaluation. Economic concepts such as benefit-cost analysis and non-market valuation techniques. Project cycle and project adjustment. Problems and limitations of performance evaluation.

751729 SELECTED TOPICS IN ECONOMIC THEORY 3(3-0-6)

Pre: None

Selected topics in economic theory: theory, application, or empirical studies which were not studied or emphasized in other courses.

Pre: None

Quantity theories of money, theory of interest rate; theory of demand for money; relationship between monetary factors and economic policies; economic stabilization by monetary policies and monetary policy problems in developing countries.

751732 MONEY AND BANKING

3(3-0-6)

Pre: Consent of the instructor

The nature of money, credit and credit instruments, advanced theories of interest, commercial bank structure and operation, non-bank financial institutions, role and function of central bank, financial market, monetary theory and policy, and international finance.

751733 FISCAL THEORY AND POLICY

3(3-0-6)

Pre: None

Analysis of fiscal theories and policies; impacts of government expenditures and taxation on resources distribution, economic incentives, income distribution etc.; government borrowing and public debt.

751734 DERIVATIVES IN FINANCIAL ECONOMICS

3(3-0-6)

Pre: None

Basic concepts in financial economics. Financial derivatives as tools for hedging including of futures, forwards, swap, and options. Economic methods to implement financial derivatives. Derivatives and Potentials for arbitrage. The financial derivatives pricing. The current issues in financial derivatives

751739 SELECTED TOPICS IN MONETARY AND FISCAL ECONOMICS

Pre: None

Selected topics in monetary and fiscal economics; theory, application, or empirical studies which were not studies or emphasized in other courses.

751741 ECONOMICS OF HUMAN RESOURCES

3(3-0-6)

3(3-0-6)

Pre: None

Economic analysis of the value of human life. Investment process in education and welfare during life cycle; human and physical capital, cost-benefit analysis of investment on education-welfare; returns from human and physical capital on economic development and on population and manpower planning.

POLICY

Pre: Consent of the instructor

Basic concepts and problems of environmental economics. Measures and problems related to the application of these measures and selection of these measures in dealing with environmental problems. Ways in which business policy should be designed to comply with environmental protection measures.

751743 LABOR ECONOMICS AND INDUSTRIAL

3(3-0-6)

RELATIONS

Pre: None

Labor market mechanism, wage theories; wage structure; employment and unemployment, the effects change in wage rates may have on economic activities; the role of labor unions, labor disputes; mechanisms generally employed in dissolving labor disputes.

751744 ECONOMICS OF ENTREPRENEURSHIP

3(3-0-6)

Pre: None

Microeconomic and Macroeconomic theories related to economic development and entrepreneurship, role of entrepreneurs in economic development, business opportunity for small and medium sized business, business planning, organizational management, small business management, government policy and small business

751745 ECONOMICS OF NATURAL RESOURCES AND 3(3-0-6) ENVIRONMENT

Pre: None

Natural resources, especially those in Thailand. How natural resources can be used more economically and optimally. Economic models of natural resources and environment. Effects of pollution on market mechanism. Government policy and instruments available.

QUANTITATIVE ANALYSIS OF ENERGY AND

3(3-0-6)

RESOURCES INDUSTRIES

Pre: 751705

Applications of parametric techniques to issues in energy and resource economics, research methodology, and an analysis of economic models to policy and planning issues in energy and resources industries. Modeling the two-variable relationship, the k-variable relationship, the nonlinear-variable relationship and the time series relationship in energy and resources industries. Solving Multicollinearity, Heroscedasticity and Autocorrelation problems and estimating a simultaneous equation system in energy and resources industries.

751747 FFEICIENCY AND PRODUCTIVITY ANALYSIS

3(3-0-6)

Pre: 751701 AND 751705

Production economics. An analysis of the efficiency and productivity in the industry. Applications of economic, statistical and mathematical concepts in designing mathematical programming and parametric methods to measure the efficiency and productivity of a production process in energy and resource industry. An analysis of the efficiency and productivity in the industry using index number approach, data envelopment analysis model, and stochastic frontier analysis model.

751749 SELECTED TOPICS IN ECONOMICS OF NATURAL RESOURCES

3(3-0-6)

INATURAL RESOURCE

Pre: None

Selected topics in economics of natural resources; theory, application, or empirical studies which were not studied or emphasized in other courses.

751751 TRADE AND INTERNATIONAL INVESTMENT THEORY

3(3-0-6)

Pre: None

Classical and neoclassical international trade theories; comparative static mathematical models for problems in international trade; the lifting of some assumptions in trade theories; theory of international investment based on capital movement; technology; need for diversified foreign exchange holdings; history and characteristics of multinational corporations.

Pre: Consent of the instructor

Trade theory and trade policy, trade laws of major trading countries, economic integration and trade blocs, and the role of GATT in international trading system. The balance of payments and its impact on domestic macroeconomy exchange rates and foreign exchange market, and government policies for external equilibrium.

751753 INTERNATIONAL MONETARY THEORY AND 3(3-0-6) POLICY

Pre: None

International monetary markets; analysis of the balance of payments adjustment problems; relationship between fiscal and monetary policies on the national and international level; analysis of exchange rate system; structure; objectives and roles of international financial institutions.

751755 INTERNATIONAL BUSINESS ECONOMICS 3(3-0-6)

Pre: None

Principle of international business economics, International business strategies in current economic situations. The US, EU, Chinese, Japanese, Russian and Middle Est markets. Cultures and consumers' behaviors. Import regulations. Products-standards. Markets-entries. Political economy between the US, EU, China, Japan, Russia, Middle East and major countries such as India, Korea and others that effect international business.

751759 SELECTED TOPICS IN INTERNATIONAL 3(3-0-6) ECONOMICS

Pre: None

Selected topics in international economics; theory, application, or empirical studies which were not studied or emphasized in other courses.

751761 ECONOMIC DEVELOPMENT 3(3-0-6)

Pre: None

Basic factors for development in less developed countries in classical, neoclassical and modern models; institutions for development; differences between development theories and growth theories.

751763 REGIONAL DEVELOPMENT PLANNING

3(3-0-6)

Pre: None

Problems involved in target setting, techniques and methodology in regional development projects in less developed countries especially Thailand.

751768 SELECTED TOPICS IN ECONOMIC

3(3-0-6)

DEVELOPMENT

Pre: None

Selected topics in economic development: theory, application, or empirical studies which were not studied or emphasized in other courses.

751798 INDEPENDENT STUDY

3(3-0-6)

Pre: Approved proposal

751799 THESIS

3(3-0-6)

Pre: Approved proposal