

## Bachelor of Economics Program (Year 2018)

### Courses Description

**001201 Thai Language Skills 3(2-2-5)**

The importance and characteristics of Thai language in Thai society as a meaning making tool. Learning about various kinds of modern media, including newspapers and electronic media. Cultivating reading habits and practicing analyzing and criticizing literary values, especially relations and values in Thai and global societies in various contexts (economics and politics in different situations) along with developing Thai language skills, especially reading and writing.

**001211 Fundamental English 3(2-2-5)**

Development of Basic English listening, speaking, reading skills and grammar for communication in various contexts in preparation for a global society.

**001212 Developmental English 3(2-2-5)**

Gain knowledge of the English language, cultivate 21st century skills and develop in the areas of listening, speaking, reading and grammar in order to understand and communicate real-world information used in different relevant context.

**001213 English for Academic Purposes 3(2-2-5)**

The development of English skills with an emphasis on academic reading, writing, and researching in preparation for a global society.

**00122 Information Science for Study and Research 3(2-2-5)**

The meaning and importance of information; types of information sources; access to different sources of information; application of information technology and communication, media and information literacy; knowledge management; selection, synthesis, and presentation of information as well as creating positive attitudes and a sense of inquiry in students; diligence; patience; honesty; and gratitude to the country.

**00122 Language, Society and Culture 3(2-2-5)**

The relationship between language and society as well as language and culture in terms of the ways in which language reflects society and culture. The study includes verbal and symbolic communication, new meanings of social and cultural structure, changes of language, and usages in a borderless world.

- 001224 Arts in Daily Life 3(2-2-5)**  
Art Fundamentals and understanding in the basic features, meaning, value, differences and the relationship between the various categories of works of art, including fine art, applied art, visual art, audio art, audiovisual art, and new media art. through the artistic experience and basic practice on various types of art for developing knowledge, understanding and indoctrinating aesthetic judgment that can be applied in daily life, harmonized with the social context in both the global and local levels.
- 001225 Life Privacy 3(2-2-5)**  
Philosophy and basic knowledge of privacy. Human rights, privacy law. Privacy regarding private information, health, residence, and information technology. Protection of privacy, privacy in daily life.
- 001226 Ways of Living in the Digital Age 3(2-2-5)**  
Development of skills in media usage, various computer equipment utilization, inquiries, analysis, measurement, rights and creation, including ethical awareness and individual responsibility to the society in communication behaviors.
- 001227 Music Studies in Thai Culture 3(2-2-5)**  
Uniqueness and development of various genres of music in Thai culture Including their roles and functions, aesthetic values, and significance to Thai society and Thai culture.
- 001228 Happiness with Hobbies 3(2-2-5)**  
Concept of happiness, basic elements of happiness in life, creative thinking, creation of works from hobbies to promote life and social happiness.
- 001229 Know Yourself, Understand Others, Meaningful Life 3(2-2-5)**  
Mindfulness; self-reflection; meaning of life; deep listening; handling emotions; empathy and consideration of the social, economic, cultural, and environmental context; living and working constructively with others.
- 001231 Philosophy of Life for Sufficient Living 3(2-2-5)**  
Basic philosophical and conceptual knowledge on worldview, attitude, Philosophy for life, lifestyle, valuable experience and factors or conditions which influence success in all aspects of life and profession, develop one's quality of life to benefit society.

- 001232 Fundamental Laws for Quality of Life 3(2-2-5)**  
The laws concerning the quality of student life, such as basic rights, human rights, media ethics in the digital age, intellectual property law, environmental laws, the laws relating to the protection of art and culture as well as the laws pertaining to the developments in the 21<sup>st</sup> century.
- 001233 Thai State and the World Community 3(2-2-5)**  
Relations between Thailand and the world community under changes over time from the premodern period to the present day and roles of Thailand in the world forum, including future trends, applications of knowledge in self-improvement, ethic of life management and being a good citizen of Thailand and the world.
- 001234 Civilization and Local Wisdom 3(2-2-5)**  
Civilizations throughout history, cultural evolution, ways of life, traditions, ritual practices, beliefs, and contributions, development and preservation of local wisdom.
- 001235 Politics, Economy and Society 3(2-2-5)**  
Meaning and relationship of politics, economy, and society; development of international politics; fundamental politics; politics and the adjustment of developed and developing countries, Thai politics; World - economic systems; influences of globalization in terms of economy; fundamental economy; the development of the economy and society of Thailand; man and society; fundamental sociology; social order; social refinement; social characteristics; uniqueness of Thai society; the application of the body of knowledge to one's living in a dynamic world of change in politics; economy, and society; and relationships of the world and Thai systems.
- 001236 Living Management 3(2-2-5)**  
Living management knowledge and skills concerning role, duty, and human nature as well as factors relating to sustainable development in improving responsibility, thinking skills, and being updated with modern science and technology in daily life. Living ethically along the dynamics of the 21<sup>th</sup> century, which is essential to the members of the ASEAN community as well as the world community.
- 001237 Life Skills 3(2-2-5)**  
Knowledge, relating to role, duty, and responsibility of an individual both as a member of a family and a member of a society which includes an adaptation to changes in a society, life and 21<sup>st</sup> century career skill flexibility and adaptability skills, creativity and self-direction skills, intra-social and cross culture interaction skills, productivity and accountability skills, leadership and responsibility skills.

- 001238 Media Literacy 3(2-2-5)**  
Processes of media analysis and acknowledgements in digital literacy. Understanding of media effect theories such as myth semiology and advertising concept, attributes and influence of contemporary and digital media. Including analyzing contents on every current platform.
- 001239 Leadership and Compassion 3(2-2-5)**  
The importance of a leader, leadership in the 21<sup>st</sup> century, learning and living with love, good global citizenship, studying good practices of conducting public activities as a guideline for learners' own activities.
- 001241 Western Music in Daily Life 3(2-2-5)**  
Aesthetics of music, elements, structure and the history of Western music. Style of music in daily life. Criticism and admiration of music. The application and process of Western music in daily life.
- 001242 Creative Thinking and Innovation 3(2-2-5)**  
Innovation development process; means of accessing customers' mind and discovering the roots of problems; generating and selecting ideas, creating rough prototypes, testing in the field and extracting information, quick and efficient design-build-test cycles, getting things done as a multidisciplinary team: brainstorming, making decisions, giving constructive comments, and managing conflicts.
- 001251 Group Dynamics and Teamwork 3(2-2-5)**  
Various behaviors regarding group behaviors, development of group characterization, group environments, interpersonal relations versus group involvement, group persuasion, change in group attitudes, intra-group communication, teamwork model, guideline to create team and network, group unity, factors enhancing teamwork, and practice of teamwork.
- 001252 Naresuan Studies 3(2-2-5)**  
Biography of King Naresuan the Great; his royal duties while reigning over the kingdom, such as economy, society, and international affairs reflecting Thai identity in various aspects, namely the pursuit of knowledge, perseverance, endeavour, courage, sacrifice, loyalty and tolerance for in the face of problems.

**001253 Entrepreneurship 3(2-2-5)**

The entrepreneurial practices with an emphasis on learning how to find business ideas, evaluation of new market opportunities and starting a new venture; focuses on identifying and evaluating new ventures, and how to recognize the barriers to success. Exposure to the stresses of a start-up business, the uncertainties that exist, and the behavior of entrepreneurs. Theoretical overview, entrepreneurs, entrepreneurship's links with other disciplines, and entrepreneurial networks and alliances. Strategies for sustainable survival.

**001271 Man and the Environment 3(2-2-5)**

Ecosystems and biodiversity, man-nature and ecosystem, human structure and system change that effects the environment, planetary boundary, climate change, sustainable development goals, environmental ethic and consciousness building, and environmental public participation.

**001272 Introduction to Computer Information Science 3(2-2-5)**

Evolution of computer technology from past to present and a possible future, computer hardware, software and data, how a computer works, basic computer network, Internet and applications on the Internet, risks of system usage, data management, information system, office automation software, multimedia technology, web-based media publishing, web design and development, and the influence of technology on man and society.

**001273 Mathematics and Statistics in Everyday Life 3(2-2-5)**

Fundamental knowledge of mathematics and statistics for everyday life , including measurement in different types of unit systems, surface area and volume of geometric shapes, tax, profit, depreciation, interest and discount, process of data survey, data collection methods, introduction to data analysis and presentation, probability, and introduction to statistical decision making.

**001274 Drugs and Chemicals in Daily Life 3(2-2-5)**

Basic Knowledge of drug and chemicals, nutrition, food supplements, including cosmetics and herbal medicinal products commonly used in daily life and related to health as well as their proper selection and management for health and environmental safety.

- 001275 Food and Life Style 3(2-2-5)**  
Roles and importance of food in daily life, cultures and consumption behavior around the world, including the influence of foreign cultures on Thai consumption behavior, identity and wisdom of food in Thailand, proper food selection according to basic needs, food choices, information for purchasing food, and food and life style in the age of globalization with the awareness to environmental conservation.
- 001276 Energy and Technology around Us 3(2-2-5)**  
Fundamental knowledge of energy and technology around us; energy sources and knowledge about electrical energy, fuel energy, and alternative energy; relationship between technology and energy consumption; direct and indirect energy consumption; global warming and related energy situation; current issues and relationship to energy and technology; participation in energy conservation; efficient energy use; and proactive approach to energy issuers.
- 001277 Human Behavior 3(2-2-5)**  
The Knowledge of human behaviors such as behavioral concepts; biological basis and mechanisms of human behaviors; mindfulness, meditation, consciousness and involved substances; sensory perception, learning and memory, language; intelligence and other quotients; social behaviors; abnormal behaviors; human behavioral analysis and applications in daily life.
- 001278 Life and Health 3(2-2-5)**  
Life and health behavior, health care and promotion for each age group, including the implementation of the health knowledge and skills for continuous improvement of the quality of life for oneself and others.
- 001279 Science in Everyday Life 3(2-2-5)**  
The role of science and technology with concentration on both biological and physical science and integration of earth science in everyday life, including organisms and environments, chemicals, energy and electricity, telecommunications, meteorology, earth, space and the new frontier of science and technology.
- 001281 Sports and Exercises 1(0-2-1)**  
The playing sports, exercises for improvement of physical fitness, and physical fitness test.

- 205121 Basic Writing 3(2-2-5)**  
 Improving sentence – level writing focusing on writing sentences of different structures namely simple, compound, complex, and compound-complex sentences, analyze sentence writing problems; for example, sentence fragments, comma splices, and Run-on sentences.
- 205131 Basic Oral Skills 3(2-2-5)**  
 Oral – aural skills with emphasis on basic stress patterns of words and sentences and practice listening and speaking simple dialogues
- 205371 Business English 3(3-0-6)**  
 Reading and writing business document; business vocabulary; summarizing documents; writing memos; correspondence; describing graphs and charts; application letters and resume; job application process and interview.
- 213303 Business Law 3(3-0-6)**  
 Legal issues on business establishment; regulations of business endeavors; individual specific contracts such as trade contracts, hiring renting, leasing, borrowing-lending, mortgaging, pledging, bills, laws on financial instruments, intellectual property law, labor law, taxation, VAT and related laws
- 214110 Introduction to Economics 3(3-0-6)**  
 Basic economic concepts and problems, basic concepts relating to economic Behavior of consumer and producers, important economic sectors, national income, economic policies and measures, international trade and economic development
- 214111 Microeconomics I 3(2-2-5)**  
 Mathematical analyses: in consumer behavior; production behavior; and cost behavior, role of market price mechanism in demand and supply for goods and services, demand elasticity, supply elasticity, elasticity of technical substitution, price determination and efficiency of resource allocation in perfect competition
- 214112 Macroeconomics I 3(2-2-5)**  
 Basic concept of macroeconomics, national income, determination of national income, money meaning, theory of money demand and money supply, inflation and deflation, labor market and unemployment, analysis of aggregate demand and aggregate supply in closed economies

- 214114 Introduction to Microeconomics 3(3-0-6)**  
 The study of concept and application of economics theories related to basic economic problems, price mechanism, demand and supply of goods, basic theory of consumer behavior, production behavior, production cost, price determination in perfect competition market and other imperfect competition markets, basic theories of factor of market failure.
- 214115 Introduction to Macroeconomics 3(3-0-6)**  
 The study of meaning and methodology of economics, macroeconomic indicators, targets and problems of macroeconomics, national income calculation, theory of national income determination, equilibrium, money market, demand and supply of money, unemployment problem, inflation and deflation problem, monetary and fiscal policy, balance of payment, foreign exchange market and determination of exchange rate
- 214131 Fundamental to Economic Business and Accounting 2(2-0-4)**  
 Basic knowledge in micro and macro economy, business operating, marketing, Managing businesses: middle enterprise; small enterprise and startup enterprise, business recording, sorting data and accounting
- 214181 Mathematical Economics I 3(2-2-5)**  
 Mathematics applied to economics in the following topics: sets; relation; function and graph; types of functions, equations and inequalities, limit; derivatives of functions with one variable; maxima and minima of functions with one variable; partial & derivatives; total differential; optimization of multivariable functions; equality constrained optimization
- 214182 Mathematical Economics II 3(2-2-5)**  
**Prerequisite: 214181 Mathematical Economics I**  
 Mathematics applied to economics in the following topics: system of equations; Vectors; matrices; definite and indefinite integration; multiple integration; sequences and series; introduction to differential and difference equations.
- 214201 Data Analysis Tools for Economists 3(2-2-5)**  
 Business and economic data analysis and management, introduction to big data Analysis, application of MS Excel, Macro function, Program R, presenting to info graphics and online channels with word press



- 214211    Microeconomics II** **3(2-2-5)**  
**Prerequisite: 214111 Microeconomics I**  
Price and output determination under various forms of imperfect competition: monopoly market; oligopoly market; monopolistic competition market, competitive in modern market pattern such as online trade, demand and supply theories of production factors, general equilibrium, welfare economics, market failure occurring due to externalities or market with asymmetric information
- 214212    Macroeconomics II** **3(2-2-5)**  
**Prerequisite: 214112 Macroeconomics I**  
Solow growth model, Macroeconomic theories of consumption and investment, Mundell-Flemming model, general equilibrium of aggregate demand and aggregate supply, monetary and fiscal policy for macroeconomic stabilization, government debt, introduction to business cycle theory and economic fluctuations
- 214213    History of Economic Thought** **3(3-0-6)**  
The study of evolution of economic thought and theory from its initial era of capitalism, modern economic concepts and the contemporary concepts in the present day, how economic theories explain the world in response to conditions of political, social structures and technology, and the interrelationships between the economic theories.
- 214251    Thai Economy, Local Economy and Current Economic Issue** **3(3-0-6)**  
The study of the structure of Thai and local economy, including the agricultural sector, industrial sector and service sector, the link between Thai and local economic with world economy, and the study of important current issues and trends economic problems, such as digital economy, that impact various aspects of the economy; production and investment international trade, and domestic and foreign economic policies
- 214282    Statistics for Economists** **3(2-2-5)**  
Applications of statistics in economics; probability; random variables; binomial distribution; normal distribution; sampling distribution; estimation theory; hypothesis testing; chi-square distribution; simple regression; analysis of variance.

- 214283 Introduction to Applied Econometrics 3(2-2-5)**  
 Introduction to econometrics; statistic methods and economic theory for economic analysis; econometrics modelling; simple regression; parameter estimation; hypothesis testing; multiple regression; dummy variable; problems and remedies for regression model including autocorrelation; heteroscedasticity; multicollinearity; specification error; using of econometrics computer packages for analysis with Eviews and Stata.
- 214311 Microeconomics Analysis 3(2-2-5)**  
**Prerequisite: 214211 Microeconomics II**  
 Price and output determination under various types of markets, theory of Demand and supply of production factors, general equilibrium, welfare economics, market failure.
- 214312 Microeconomics Analysis 3(2-2-5)**  
**Prerequisite: 214212 Macroeconomics II**  
 The Solow growth model, the Ramsey-Cass-Koopmans model, the overlapping generations model, the endogenous growth models, real-business-cycle theory, the new Keynesian theories of economic fluctuations, analysis of market imperfections using advanced microeconomic foundations, theories of consumption, theories of investment, theories of unemployment, inflation, stabilization using monetary and fiscal policies
- 214321 Agriculture of Economics 3(3-0-6)**  
 Demand and Supply, Price elasticity, income elasticity and cross elasticity of agriculture commodities, agricultural production Cost, Market structure analysis, Production in risky situations, Technology change, Productivity and efficiency in agricultural production analysis, Credit system, Agricultural price, Marketing of agricultural products both domestically and internationally, Future market, Agricultural products in the international trade arena and agricultural policy
- 214322 Health Economics 3(3-0-6)**  
 Theories and concepts relevant to health economics, demand for health care, supply of health care, market in health care, market failure in health care, the role of government in health care, health care financing, health insurance, human resources for health, health care priority setting, economic evaluation in health care, equity in health care and health care system reform

**214323 Economics of Education 3(3-0-6)**

The central aim of the course is to study economics theories about investing in education. Several Tools of economic analysis are used to address the links between education and economic growth, consumption, investment, employment, and equity. Furthermore, analysis of education policy and reform at the primary, secondary and post-secondary levels; e.g., policies related to teacher pay, class-size, high-stakes testing, charter schools, vouchers, affirmative action, and financial aid. International higher education policies are also discussed

**214324 Labor Economics 3(3-0-6)**

To study basic ideas about population and labor demand and supply of labor are Analyzed both Competitive and oligopoly markets. Wage and employment determination the market structure of wages Economic aspects of labor unions, bargaining theories of wages, minimum wage legislations, labor supply incentives of various welfare programs, occupational licensure, labor mobility, and migration

**214325 Economics of Taxation 3(3-0-6)**

Definition, objective and structure of taxation including tax burden theory partial and general equilibrium analysis, efficiency and equity of tax, personal income tax, corporate income tax, value added tax, excise tax, duty tax, specific business tax, inheritance tax and revenue stamp, local tax, tax avoidance and evasion, tax planning, tax reform and tax policy.

**214326 Economic Evaluation in Health Care 3(3-0-6)**

Applications of concept and economics theories and techniques for evaluation Of economics for different health services and health promotion. Economic evaluation for health care includes cost minimization, cost-effectiveness analysis, cost-benefit analysis and cost-utility analysis.

**214327 Economics of Human Resources 3(3-0-6)**

Economics concept on human, different forms of human capital investment such as education, health care, training and labor migration, analysis of individual return and social return from the investment in human capital emphasizing on education and training, human resource planning, and human resource development policy in Thailand

**214328 Public Economics 3(3-0-6)**

Government finance, public expenditure theories, taxation principle and Economic effects of tax levies, the analysis of public budget expenditure and debt, balance budget theories and government financial policy

- 214332 Business Economics 3(3-0-6)**  
Processes and methods of business decision making under risk and uncertainty, forecasting methods and models, demand, production and cost analysis, profit planning, price setting, budget, capital and capital formation for supporting business, analysis of effects on business from the change of government policies
- 214334 Economics of Industrial Organization 3(3-0-6)**  
Decision making of business organization in production and product pricing, market efficiency under different type of markets, behavior of oligopoly competition, how to differentiate product, the effect of imperfect information, Principal-Agent theory, price setting behavior, price discrimination, selling technique, price collusion, the government policy that support or limit competition
- 214336 Tourism Economics 3(3-0-6)**  
Economic concepts and analytical techniques applying for tourism, including Demand for tourism, behaviors of stakeholders, structure of tourism supply, the development of tourist destinations, and impacts from changes in the present world, such as government policies and socio-economic dynamics
- 214337 Project Analysis 3(2-2-5)**  
Criteria in project analysis used for selecting the most efficient project, emphasizing social perspective in general of both positive and negative outcomes, steps of evaluation of projects before the operation, during the operation and after the operation, project management technique with case studies including biodiversity evaluation; and development project evaluation
- 214341 Economics of Money Banking and Financial Market 3(3-0-6)**  
Money and role of money in economy system, interest rate theory and quantity of money theory, financial market and financial institution, central bank and monetary policy, technology advance in financial (FinTech), electronic payment, financial risk management
- 214342 Financial Securities 3(3-0-6)**  
Equity instruments, common stock, preferred stock, warrant, return and risk of investment, securities evaluation, technical analysis, bond, debenture, duration and convexity, mutual fund, type of mutual fund, comparing of mutual fund performance

- 214343 Investment and Portfolio Analysis 3(2-2-5)**  
Modern portfolio theory, securities evaluation, economic analysis, industry Analysis, corporate analysis, financial statement analysis for investment, efficient market theory, portfolio management.
- 214345 Personal Finance 3(2-2-5)**  
Basic knowledge of personal finance planning, time value of money, personal Balance sheet, statement of cash flow, tax planning, insurance planning, investment planning, retirement planning.
- 214346 Principles of Financial Economics 3(2-2-5)**  
Introduction to investment analysis and asset pricing, e.g. fundamental of financial markets, equities and bond markets, interest rates, market efficiency, and equity valuation, theoretical portfolio analysis and allocation; with the aim of conveying the practice of investment theory.
- 214347 Principles of Corporate Financial Analysis 3(3-2-5)**  
The basic concepts of corporate financial analysis, applying tools and techniques for financial and working-capital analysis and forecasting, asset pricing theory, capital budgeting, capital structure and cost of capital, dividend using Microsoft Excel for analysis.
- 214348 Principles of Derivative Securities Analysis 3(2-2-5)**  
Study on fundamental and characteristic of major financial derivative securities; including options, futures and swaps, theories and models of derivative securities associated with the binomial options model and the Black-Scholes model, evaluation of the role of options in hedging and arbitrage.
- 214351 Economic Development 3(3-0-6)**  
Nature and government policy of economic development; poverty and Inequalities; economic growth theories; factors pot growth including demography, labor and migration; financial system; human capital; saving and agricultural households.
- 214352 Introduction to Regional Economics 3(3-0-6)**  
Regional economic behavior, factors affecting regional economic growth, emphasizing economic linkage among provinces, capital accumulation factors, quality of labor capital, government policies affecting growth in local economy.

**214354 Asia Economy 3(3-0-6)**

The study of economic structure in Asia including production, marketing, concept of economic development in those countries, the connection with Thai economy and the competitive advantage of international trade, impact of large economy such as China India on international policy.

**214364 Resource and Environmental Economics 3(3-0-6)**

The relationship between an economy and the environment, how the resource and environmental problem has been developed, the valuation method, cost evaluation of resource and environment, policies related to natural resource and environment both command-and-control policy and incentive-based policy

**214365 Resource Economics and Sustainable Development 3(3-0-6)**

Economic concepts and tools used in natural resources to deal with different problems in resource allocation, valuation of natural resource uses, characteristics of resource markets in microeconomic perspective, use of energy resource, use of water resource, principle of sustainable resource use and sustainable development, role of ICT for sustainable use of natural resources, intertemporal areas of government policies for the use of natural resource differently

**214366 Environmental Economics and Green Growth Engine 3(3-0-6)**

Ecological framework for an understanding of the complex contemporary issues on environment and climate change, economic evaluations of environmental impacts by cost-benefit analysis, meaning of green growth, concept of green economy and nexus approach to reduce environmental risks, notion of green economy to contribute to corporate social responsibility, government policies and actions for promoting green economy schools, vouchers, affirmative action, and financial aid. International higher education policies are also discussed

**214371 Introduction to International Economics 3(3-0-6)**

Basic international trade theories, theories and policies of trade protection and its effects on economic system, theories and policies of economic integration, theories and policies of international investment, monetary market, balance of trade and balance of payments, solutions concerning balance of trade and balance of payments, international trade

**214372 International Economic Cooperation and Trade 3(3-0-6)**

The study of formation and operation of international trade through bilateral \ And multilateral agreement, regionalism, trade integration and the role of international organizations such as World Trade Organization, product and service trading conflict, investment measures on trade, important negotiation of developing countries, principle of trade control and trade prevention methods.

**214373 Economics of Transnational Businesses 3(3-0-6)**

Concepts and theories on foreign investments and transnational businesses; the development of transnational capitals and businesses; the globalization of capitals and businesses; describe the business structure, strategic and performance of multinational corporations of investors and recipient from developed and developing countries; the transnational operations of businesses and their effects on trade and investment including labor; the transnational operations of businesses and the change of local communities; the public policy on foreign investments and transnational businesses.

**214401 Economic Analysis of Time Series and Forecasting 3(2-2-5)**

Characteristic and nature of time series, techniques for estimating time series Data, problems of time series estimation, trend analysis, seasonal analysis, cyclical analysis, stationary test, lag variable, techniques for economic forecasting and model selection

**214411 Econometric Theory 3(2-2-5)**

**Prerequisite: 214381 Introduction to Applied Econometrics**

Regression equation model analysis with matrix; parameters estimation with ordinary least square and maximum likelihood using matrix; assumption violation problems including autocorrelation, heteroscedasticity, multicollinearity, and specification error with matrix; simultaneous equation model; qualitative data; dummy variable; limited dependent variable model; using econometrics computer packages for econometric model analysis.

**214431 Economics of Transportation 3(3-0-6)**

Roles of transportation in local and international economy. Relationship between transportation and location choice of production and distribution Determinants and understanding of transportation cost and welfare. Relationship between transportation and the expansion of urban area. Problems and policies of investment in urban area transportation.

- 214432 Introduction to Game Theory 3(3-0-6)**  
 Characteristics of oligopoly market, behavior and decision making in business, static game under perfect information, dynamic game under perfect information, game under uncertain outcome, static game under imperfect information, dynamic game under imperfect information, equilibrium concept and analysis method of game, the emphasis on economic issue and situation
- 214433 Economics of Entrepreneur 3(3-0-6)**  
 Theory of Economics about operational management, marketing, financial, human capital, technology and business management strategy. The analysis of financial cost and economic factors. Understanding of decision-making process and business planning for successful business.
- 214434 Operation Research for Economists 3(2-2-5)**  
 Introduction to the methodology of operation research for economic puzzles and decision making in modern production processes, techniques for solving deterministic problems: linear programming model; transportation model; network analysis; queuing theory; inventory model, techniques for solving non-deterministic problems: decision analysis under uncertainty and risk.
- 214451 Local Community Economics 3(3-0-6)**  
 Concepts and theories of principle economics at microeconomics and macroeconomics levels will be integrated and applied community enterprises to describe in terms of scope, definition and importance of local community economy; household in local community economy; local market; economy outside market and policy for development of local community enterprises; forms and classification of enterprises in a community; policy, direction, and trends in community enterprises
- 214492 Co- operative Education 6 credits**  
 Professional training at a public or private organization in Thailand or abroad with the approval of the university
- 214494 Undergraduate Thesis 6 credits**  
 Conducting research in economics areas, identifying research problems, LiteratureReview, data collection, data analysis and research results presentation.



**214495 International Academic or Professional Training 6 credits**  
International Academic in economics in related field aboard or Professional Training in economics in government or private organizations outside Thailand at least 3 months and 300 hours

**222103 Financial Accounting 3(2-2-5)**  
Concepts and principles of accounting; benefit of information of accounting; basic accountings: recording on assets, liabilities and owner equities; general ledgers; adjusting and closing entries and preparing financial statements for service business, merchandising business and manufacturing business; Valued Added Tax; applying accounting information for business decision making.