

## **Bachelor of Business Administration**

### **Program in Finance (2022)**

#### **Courses Description**

**001211      English Listening and Speaking for Communication      3(2-2-5)**

English Listening and speaking skills for communication with emphasis on pronunciation, word and sentence stress, intonation, cross-cultural understanding, listening and speaking practice in everyday and job-related topics

**001212      English Critical Reading for Effective Communication      3(2-2-5)**

English language skills for critical reading with emphasis on reading for main ideas and supporting details, guessing meaning from contexts, making inferences, distinguishing facts and opinions, identifying the author's purpose, attitude and tone of voice, evaluating information and ideas

**001213      English Writing for Effective Communication      3(2-2-5)**

English language skills for effective written communication with emphasis on practice in writing sentences and paragraphs with proper and correct use of vocabulary, grammar, structure and organization

**001301      Thai Language for Academic Communication      3(2-2-5)**

Reading for information; writing and speaking for academic presentation

**001302      Thai Language for Communication in the 21<sup>st</sup> Century      3(2-2-5)**

Developing Thai communicative skills for appropriate and updated use in the 21<sup>st</sup> century

**001303      Reading in the Digital Age Century      3(2-2-5)**

Developing reading skill in context of digital society for knowledge and improving the quality of life

**001311      Korean for Communication      3(2-2-5)**

Basic Korean communicative skills used in daily-life situations and learning of Korean culture

<b>001312</b>	<b>Japanese for Communication</b>	<b>3(2-2-5)</b>
	Basic Japanese communicative skills used in daily-life situations and learning of Japanese culture	
<b>001313</b>	<b>Chinese for Communication</b>	<b>3(2-2-5)</b>
	Basic Chinese communicative skills used in daily-life situations and learning of Chinese culture	
<b>001314</b>	<b>Myanmar for Communication</b>	<b>3(2-2-5)</b>
	Basic Myanmar communicative skills used in daily-life situations and learning of Myanmar culture	
<b>001315</b>	<b>French for Communication</b>	<b>3(2-2-5)</b>
	Basic French communicative skills used in daily-life situations and learning of French culture	
<b>001316</b>	<b>Spanish for Communication</b>	<b>3(2-2-5)</b>
	Basic Spanish communicative skills used in daily-life situations and learning of Spanish culture	
<b>001317</b>	<b>Lao for Communication</b>	<b>3(2-2-5)</b>
	Basic Lao communicative skills used in daily-life situations and learning of Lao culture	
<b>001318</b>	<b>Indonesian for Communication</b>	<b>3(2-2-5)</b>
	Basic Indonesian communicative skills used in daily-life situations and learning of Indonesian culture	
<b>001319</b>	<b>Vietnamese for Communication</b>	<b>3(2-2-5)</b>
	Basic Vietnamese communicative skills used in daily-life situations and learning of Vietnamese culture	
<b>001320</b>	<b>Hindi for Communication</b>	<b>3(2-2-5)</b>
	Basic Hindi communicative skills used in daily-life situations and learning of Hindi culture	

**001321**      **Khmer for Communication**      **3(2-2-5)**  
Khmer language communicative skills used in daily-life situations and learning of Cambodian culture

**001221**      **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.

**001222**      **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 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.

**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 Way of Life**      **3(2-2-5)**  
Music development and characteristic in Thai way of life. Cultural and Social significance role, values, changes, aesthetic as well as 21<sup>st</sup> Century competence.

**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.

- 001231      Philosophy of Life for Sufficient living      3(2-2-5)**  
Basic philosophical and conceptual knowledge on worldview, attitude, philosophy for life, lifestyle, valuable experiences and factors or conditions which influence success in all aspects of life and profession of respected people.
- 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 towards 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 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)**  
Development of local wisdom effecting to gain the body of knowledge in art and culture with concrete and abstract areas which is a foundation of Thai Civilization and a path of developing innovation in art and culture creatively on a foundation of local wisdom and Thai civilization for maintaining, promoting value with worthiness and sustainable integration.
- 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 economy systems, influences of globalization in terms of economy, fundamental economy, the development of economy and society of Thailand, human and society, fundamental sociology, social order, social refinement, social characteristics, uniqueness of Thai society and 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 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 21<sup>st</sup> century which is essential to the members of ASEAN Community as well as 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 include an adaptation to changes in a society, life and career skills 21<sup>st</sup> century, 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 21<sup>st</sup> century 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 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)
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Various behaviors regarding grouping behaviors, development of group characterization, group's 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)
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This course aims to study on the biography of King Naresuan the Great.

The emphasis is placed on economy, society and foreign affair which reflect to Thai Identity such as knowledge acquisition, endeavor and tolerance.

001253	Entrepreneurship for Small Business Start-up	3 (2-2-5)
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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 venture, 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.

001254	The King's Philosophy for Living	3 (2-2-5)
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Biography, ideas, philosophy, royal duties, royal initiative projects of the late His Majesty King Bhumibol Adulyadej with special reference to living.

001271	Man and Environment	3(2-2-5)
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Ecosystems and biodiversity, man-nature and ecosystem service, human structure and system change that effects on 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 a system usage, data management, information system, office automation software, multimedia technology, web-based media publishing, web design and development and an influence of technology on human and society.
- 001273      Mathematics and Statistics in Everyday Life      3(2-2-5)**  
Measurement, surface area and volume of geometric shapes, introduction to mathematics in financial fields, survey and data collection methods, data analysis and presentation for basic research, application of probability to statistical decision making.
- 001274      Drugs and Chemicals in Daily Life      3(2-2-5)**  
Basic Knowledge of drug and chemical, nutrition, food supplement including cosmetics and herbal medicinal product 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 selections according to basic needs, food choices, information for purchasing food, and food and life style in the age of globalization with the awareness of 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 issues.
- 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 its involved substances; sensory perception, learning and memory, language; the intelligent and

others quotients; social behaviors; abnormal behaviors; human behavioral analysis and applications in daily life.

001278	Life and Health	3(2-2-5)
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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)
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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, chemical, energy and electricity, telecommunications, meteorology, earth, space and the new frontier of science and technology.

001281	Sports and Exercises	1(0-2-1)
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The sport playing, exercises for improvement of the physical fitness and physical fitness test.

001291	Consumption in Daily life	3(2-2-5)
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Importance of consumption, good nutritional status and practical guidelines for good food consumption, Choosing medicines and safe health products, food safety, management of consumerism effects, consumer rights, laws and organizations for consumer protection.

001292	Circular Economic Lifestyle for 21 <sup>st</sup> Century	3(2-2-5)
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Learning the value of nature to human life in the use of resources and being a source of support and pollution treatment, crisis of resource problems, climate and environmental emergency situations, concepts throughout the life cycle and business design process under the concept of circular economy, business model innovation to the circular economy, lifestyle under the concept of circular economy, awareness and driving force to the way of life under the concept of circulating economy and circulating economy society.

001331	Social Innovation	3(2-2-5)
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Introduction to Social innovation, Future Uncertainties (21<sup>st</sup> Century challenges, 4<sup>th</sup> Industrial revolution), Global Issues (social and environmental issues), Sustainable Development Goals (SDGs), Sustainable community (eco village), Public participation, Introduction



to Innovation, Social enterprises, 21<sup>st</sup> entrepreneurship ( social ecopreneur) , Case study (development of social innovation entrepreneurship)

**001332                      Introduction to Data Management in Digital Era                      3(2-2-5)**

Overview of data management, fundamentals and tools for big data and data science, data analytics and techniques of information presentation for business value by using modern tools.

**001351                      From Sufficiency Economy Philosophy (SEP) to Practice                      3(2-2-5)**

Meaning, origin, and application of the Sufficiency Economy Philosophy (SEP), the definition of 3 chains 2 conditions, in details, sufficiency philosophy to achieve principles of strategy for livelihood, reasonableness and scientific method to achieve successful working, and immunity to maintain of physical and mental health in relation to life homeostasis, principles of reading habits practice, information searching principles, introduction to information presentation methods, knowledge for the 21<sup>st</sup> century, principles of being good citizen, honesty, empathy, and public mind practice

**001352                      Peace and Religion for Human Kinds                      3(2-2-5)**

Learning of the value concept, theory, peace, religion principles and morals based on religion and key mans, moral principles, needs, social problems, conflict, organization, socialization, reasonability, friendship, encroachment, harmonious, reconciliation speech, peaceful method, human kind on 21<sup>th</sup> century, value experience of key man with useful for creatively apply to be human calming and peace to human kinds.

**205111                      Basic Reading                      3(3-0-6)**

Reading comprehension strategies; text predicting; scanning; skimming; finding topics, main ideas, and supporting details; guessing word and passage meanings from contexts i.e. referring, inferring, tones, and purposes.

**205361                      English for Business                      3(3-0-6)**

English for business purposes; business vocabulary; summarizing documents; writing memos; correspondence; describing graphs and chart; application letters and resume; job application process and interview.

**213102 Principles of Management and Organizational Behavior 3(3-0-6)**

Concepts and principles of management; managerial process; theories and evolution of management; business environment; business functions: planning, organizing, influencing and controlling; Perception; motivation; communication; decision making; organizational structure, culture and politics; diversity, group, work team and leadership

**213130 Principles of Marketing 3(3-0-6)**

Concepts, functions and roles of marketing, marketing environment, marketing information, market analysis, consumer behavior, market segmentation, targeting and positioning strategies; marketing mix and CSR.

**213260 Human Capital Management 3(3-0-6)**

Evolution of concepts and principles of human resource management; human resource functions: job analysis, human resource planning, recruiting and selection, training and development, compensation and benefits, labor union and industrial relations, occupational safety and health, and quality of work-life management. Strategies for modern human resource management.

**213270 Operations Management 3(2-2-5)**

Operations system, value creation, operations planning, competitive advantage in production, introductory project management, technologies relating to operations, forecasting, site selection, location and process layout planning, operations system design and resources planning, inventory control, supply chain management, quality management, safety management, maintenance, applying quantitative tools for operational decision making

**213303 Business Law 3(3-0-6)**

Legal issues on business establishment; regulations of business endeavors; individual specific contracts such as sale, hire of property, hire purchase, loan, suretyship, mortgage, pledge, bills, factoring agreement, laws on financial instruments, intellectual property law, labor law, taxation, VAT, principles of the civil and commercial code: natural and juristic persons; void and voidable act ; property; obligations and related laws.

<b>214114</b>	<b>Microeconomics</b>	<b>3(3-0-6)</b>
Basic consumer behavior theory, consumer satisfaction, consumer choice under budget constraint, origin of demand curve, variables determining demand and its change, value of demand elasticity, production and production cost theories, origin of supply curve and value of supply elasticity, market equilibrium , structure of perfect competitive market		
<b>214115</b>	<b>Macroeconomics</b>	<b>3(3-0-6)</b>
General economic principles consisting of national income, consumption, saving, investment, government expenditure, international trade, changes of national income level, money and banking, demand and supply of money, inflation and deflation		
<b>222103</b>	<b>Financial Accounting</b>	<b>3(2-2-5)</b>
Concepts and principles of accounting; benefit of information of accounting; basic accountings: 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.		
<b>222200</b>	<b>Managerial Accounting</b>	<b>3(2-2-5)</b>
A study of managerial accounting concepts, an analysis of accounting information for planning, decision making, and operational control such as product costing by full cost and variable cost methods, budgeting for planning and control, statement of cash flow, and cost-volume-profit analysis.		
<b>808101</b>	<b>Business Finance</b>	<b>3(3-0-6)</b>
Scopes, roles and tasks of a finance manager within a business enterprise, objectives and importance of financial management, basic financial analysis, time value of money, risk and return, current asset management, management of short-term, medium-term and long-term capital sources, capital budgeting, capital structure and dividend policy		
<b>808201</b>	<b>Computer Applications for Finance</b>	<b>3(2-2-5)</b>
Introduction to financial information systems and banking by applying software packages to various financial functions, such as financial functions in project analysis, financial work system, planning and financial control, including the role of law and computer ethics in financial work		

**808202                      Quantitative Finance I    3(3-0-6)**

หลักของความน่าจะเป็นและสถิติสำหรับการเงิน ทฤษฎีความน่าจะเป็น สถิติเชิงพรรณนาของข้อมูล การกระจายของความน่าจะเป็น ตัวแปรสุ่ม ทฤษฎีเข้าสู่ศูนย์กลาง กฎของจำนวนมาก แบบจำลองมอนติคาร์โล โดยใช้ซอฟต์แวร์คอมพิวเตอร์

Principles of probability and statistics for finance, probability theory, descriptive statistics of data, probability distributions, random variables, central limit theorem, law of large numbers, Monte Carlo simulation using computer software.

**808203                      Quantitative Finance II    3(3-0-6)**

Characteristics of financial data and descriptive statistics of the data, various statistical tests, simple linear regression, multiple linear regression, analysis and interpretation of regression, goodness of fit of regression, time series analysis, financial forecasting, the basic principles of financial econometrics and financial applications.

**808204                      Financial Markets and Financial Institutions    3(3-0-6)**

Overview of financial markets and financial institutions; Roles of money in the economic system, financial markets, mechanism of the financial system in relation to the economy; Analyzing the effects of monetary and fiscal policies on the economy; Structures of interest rates, exchange rates and financial innovations; Types and roles of financial institutions, risk management and the supervision of financial institutions.

**808301                      Business English for Finance I    1(0-2-1)**

A Practice of skills: listening and speaking in topics related to financial and banking activities

**808302                      Corporate Governance, Law, and Professional Ethics for Finance3(3-0-6)**

Concept of corporate governance, conflicts between managers and shareholders, conflicts between minority shareholders and block-holders of the firm, responsibility of stakeholders, and internal and external corporate governance mechanisms. Laws related to securities and stock exchange business, operational standard and the professional code of ethics and practice

**808303 Principles of Investment 3(2-2-5)**

Fundamental knowledge of different types of securities investment, investment policies of different types of investors, risk and return on investment, basic principles in the analysis and valuation of securities as well as theories related to investment.

**808304 Research Methodology for Finance 3(2-2-5)**

Steps of research in finance, writing a research proposal, research design, data analysis, research conclusion, research writing and presenting research results.

**808305 Wealth Management 3(3-0-6)**

Financial management leading to the achievement of short term and long term financial goals and creation of individual's wealth, starting from the collection of personal financial information to data analysis, different types of financial instruments, investment planning, insurance and retirement planning.

**808306 Financial Derivatives 3(3-0-6)**

Fundamental knowledge of financial derivatives including futures, forwards, options, warrants, and swaps, futures and forwards valuation, option pricing by using binomial model and Black-Scholes model, futures and options trading strategies, risk parameter measurements for options.

**808307 Innovations in Fintech 3(2-2-5)**

Innovation from the collaboration between finance and technology, such as online payments and securities trading, trends, and examples from the development of financial technology such as blockchain, artificial intelligence system, including innovations and other financial technologies that tend to automate the execution of financial services for reducing risk, human error for providing more accurate information, and the financial revolution driven by big data.

**808311 Financial Planning and Control 3(3-0-6)**

Strategic organizational financial planning and control, in-depth knowledge regarding the usage of tools for financial planning and control such as budgeting system, standard costing, working capital planning, targeted capital structure, strategic planning for growth, and cash budgeting.

808312	Project Analysis	3(3-0-6)
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A Process of project analysis, project feasibility study, and project selection, as well as the screening of project ideas and the sensitivity and risk analysis of the project, project financing, capital structure decision.

808313	Credit Management	3(3-0-6)
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Nature and scope of credit management; types of credit, credit instruments and collateral, different types of credit management, investigation and analysis of credit risk; sources and methods of collection of information, credit policies and procedure; credit limits; collection policies and practices; credit control and follow-up. Laws and regulations concerning credit. Nonperforming loan management.

808314	Behavioral Finance	3(3-0-6)
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Psychology issues related to financial markets, irrational behaviors such as biases, anchoring, optimism, pessimism, loss aversions, contrarian, etc., the psychological issues that impacts on capital structure, valuation, and management decision making, rank dependent theory, and prospect theory, and how to rationally make decision or invest in an irrational world.

808315	Enterprise Risk Management	3(3-0-6)
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Strategies, tools, and concepts that reduce costs of risks and enhance value for enterprises, construction of risk map, risk categories, risk management decisions, various issues of enterprise risk management such as catastrophic events, heavy-tailed risks, the failure of Value at Risks, coherent of risk measures.

808316	Finance for Startups	3(3-0-6)
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The importance of funds on conventional firms and startups, sources of funds and financing such as debt financing, angel investors, venture capital, private equity, and crowdfunding, effective financial allocation, business's goal and growth management, valuation models for startups, revenue models for startups, risk management for entrepreneurs.

- 808317      Financial Statement Analysis      3(3-0-6)**  
Financial analytical tools to be used appropriately in the assessment of business performance, strengths and weaknesses in terms of risk and return; An analysis of earning quality and earning management and financial statement forecast.
- 808321      Value Investing      3(3-0-6)**  
Fundamental of margin of safety, Market, mistakes to avoid for value investing, reasons why value stocks exist, economic moats, important financial ratios, how to analyze management team, red flags, wisdom of famous value investors, valuation techniques revisited, industries and competitive advantage, global value investing strategy, value investing in special situations: spinoff, risk arbitrage, corporate restructuring.
- 808322      Portfolio Management      3(3-0-6)**  
Basic concept of portfolio management, security pricing, assets allocation, optimal investment portfolio, portfolio and risk management strategies. Evaluation of the performance of portfolio management, funds and fund managers. Regulations related to the different types of fund investment. Types of investors, and objectives and limitations of investors in each type.
- 808323      Investment Banking      3(3-0-6)**  
Concepts of investment banking, the procedure of security issuing and offering, business analysis, takeover, and capital restructuring to create value for business and investors, fundraising for startups.
- 808324      Fixed-Income Securities Analysis      3(3-0-6)**  
Characteristics of plain fixed-income securities, complex fixed income securities and their market, valuation and yield measurement of fixed-income securities, price volatility of fixed-income securities, analysis of plain and complex fixed-income securities, yield curve analysis and bond portfolio management strategies.
- 808325      Equity Analysis and Valuation      3(2-2-5)**  
Characteristics of equity, types of equity, securities analysis based on fundamental factors and technical analysis, fundamental principles of securities valuation, as well as valuation of preferred stock and common stock.

- 808331      Fundamental Principles of Insurance      3(3-0-6)**  
Fundamental knowledge relating to the management of risk and insurance, basic principles of insurance, types of insurance, characteristics of contract and conditions of insurance policy, roles of insurance business in the professional code of ethics and practice for insurers, and related institutes supervising the insurance business.
- 808332      Life Insurance      3(3-0-6)**  
Importance of life insurance, health insurance, individual and group insurance, patterns of insurance policies, conditions and forms, terminology for life and health insurance, factors used in calculating insurance premium, underwriting and claim payment.
- 808333      Non-Life Insurance      3(3-0-6)**  
Getting to know risks, general knowledge of non-life insurance such as fire insurance, motor insurance, marine insurance, liability insurance and miscellaneous insurance, selection of insurers, insurance premium and benefits, and laws related to non-life insurance.
- 808334      Financial Risk Management      3(3-0-6)**  
Types of financial risk, methodologies and techniques to analyze financial risk, risk measurement, financial risk management process and the use of financial derivatives to manage risks.
- 808335      Financial Engineering      3(3-0-6)**  
Concept of financial instrument innovation, applications of mathematical, statistical, and financial theories to design and develop financial instruments, specification of random behavior of a security, securities portfolios and derivatives portfolios, formulation of investment strategies for securities trading and risk management.
- 808341      Basic Programming for Finance      3(2-2-5)**  
Foundations of programming languages that are industry standard and are widely used to create financial products and services, statistical analysis with introductory programming languages, analysis and management of big data, and machine learning algorithms.



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| <b>808342</b> | <b>Machine Learning and Big Data in Finance</b>  | <b>3(2-2-5)</b>  |
|               | Machine learning techniques linked to artificial intelligence, collecting, organizing, and visualizing structured and unstructured data with large amounts of data, to analyze and solve fundamental problems of big data in finance, using application software to train computers to recognize patterns of financial information, such as financial forecasting. |                  |
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| <b>808343</b> | <b>Algorithm Trading</b>   | <b>3(3-0-6)</b>  |
|               | Fundamental of programming for security trading, automation of extracting data, sentiment analysis, generating signals for trading, backtesting, financial anomalies, and evaluation of portfolio's performance.   |                  |
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| <b>808344</b> | <b>Financial Econometrics and Modelling</b>  | <b>3(3-0-6)</b>  |
|               | Fundamental of financial modeling for investment, risk management, and insurance, using various techniques such as Monte Carlo simulation, cross-sectional, time series, and panel analysis, ARCH model, GARCH model, and scenario analysis.   |                  |
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| <b>808401</b> | <b>Business English for Finance II</b>   | <b>1(0-2-1)</b>  |
|               | A Practice of skills: reading and writing in topics related to financial and banking activities.   |                  |
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| <b>808402</b> | <b>International Financial Markets</b>   | <b>3(3-0-6)</b>  |
|               | International financial systems and exchange rate regimes, financial instruments in international money markets and capital markets, factors influencing exchange rates, and basic strategies for managing risk associated with exchange rates.  |                  |
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| <b>808491</b> | <b>Seminar in Finance</b>  | <b>1(0-2-1)</b>  |
|               | Current issues and recent development related to finance, investment and case studies.   |                  |
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| <b>808493</b> | <b>Co-operative Education</b>  | <b>6 Credits</b> |
|               | Training in government or private organizations in Thailand or abroad, with approval of the university.  |                  |

<b>808494</b>	<b>International Academic or Professional Training</b>	<b>6 Credits</b>
	International Academic training in finance or banking related - field aboard or Professional Training in finance or banking in government or private organizations at least 3 months with at least 300 working hours.	
<b>808496</b>	<b>Undergraduate Project I</b>	<b>3 Credits</b>
	Conducting project in financial areas such as financial planning tools, prototyping or developing a financial product, financial technology, or financial service, reviewing literature or related resources, and passing the project proposal defense.	
<b>808497</b>	<b>Undergraduate Project II</b>	<b>3 Credits</b>
	Collecting data, designing or developing or analyzing, testing, summarizing, and project presentation.	
<b>808498</b>	<b>Undergraduate Thesis I</b>	<b>3 Credits</b>
	Conducting research in financial areas, identifying research problems, reviewing literature, passing the thesis proposal defense.	
<b>808499</b>	<b>Undergraduate Thesis II</b>	<b>3 Credits</b>
	Data collection, analysis or test, summary, and research-result presentation.	