

## Descriptions of Courses

### □ Finance MBA Program

- FMB500 Statistical Analysis for Finance 3:3:3  
This course is designed to provide the framework for statistical analysis to study finance. Topics such as statistical inference, hypothesis testing, and regression analysis will be discussed
- FMB501 Financial Management 3:0:3  
This course is designed to help you develop the conceptual foundations as well as the basic tools for making optimal financial decisions. The issues addressed in this course include time value of money, discounted cash flows analysis, relation between risk and return, cost of capital, capital budgeting analysis, capital structure decisions, dividend policy, and options.
- FMB502 Financial Accounting 3:0:3  
This course examines basic concepts of financial accounting. This course provides a basic framework to understand and interpret the financial statement from the perspective users. It also provides overview of the basic financial statements - income statement, balance sheets, and cash flow statement, and the detailed elements of those statements.
- FMB510 Derivatives I 1.5:0:1.5  
The purpose of this course is to learn about the essential knowledge to understand derivatives and derivatives markets. In particular, the course will deal with forward, futures, swap, and option contracts, and provide knowledge regarding pricing and usage of derivatives.
- FMB511 Derivatives II 1.5:0:1.5  
This course is a continuation course of Derivatives I. On the basis of the knowledge learned in Derivatives I, this course provides more profound knowledge on the option pricing, hedging with option Greeks, recent issues in options, credit and interest rate derivatives.
- FMB512 Investment and Portfolio Analysis 3:0:3  
This course is designed to help students better understand the basic principles behind investment theories and be exposed to various empirical evidence on investments. The topics to be covered include introduction to financial markets, asset allocation, various empirical asset pricing models, performance evaluation, and various equity investment strategies.
- FMB513 Advanced Corporate Finance 3:0:3  
This course is designed to help students develop a deeper understanding of the issues and the basic tools needed for corporate finance managers. The issues addressed in this course include capital structure and payout policy, real options, how to raise external capital, mergers and Economic Value Added (EVA). It is designed for everyone who has taken introductory corporate finance course.
- FMB551 Computer Programming in Finance 1.5:0:1.5  
This course provides a systematic introduction to the analysis and implementation of numerical methods used in financial engineering and risk management. The course uses EXCEL, VBA and Matlab.
- FMB552 Financial Databases 1.5:0:1.5  
This course introduces various financial databases that are used to analyze various financial issues. The databases covered include Bloomberg, Datastream, FnGuide's DataGuide, Reuters, CRSP and others.
- FMB553 Strategic Management and Leadership in Financial Institutions 1.5:0:1.5  
This course is to develop students' skills in analyzing complicated business situations and applying their learning experience into the real financial business world, mainly through case study.
- FMB554 Financial Marketing 1.5:0:1.5  
This class is to deliver a body of knowledge applied to plan, implement, and control marketing activities of financial services in a buyer orientation. Its focus is on how to analyze the needs for financial products and

services and allocate business resources to fulfill these needs.

FMB555 Ethics and Social Responsibility of Finance 1.5:0:1.5  
This course is intended to nurture sound financier/financial managers who study and understand both ethics and social responsibility of finance industry should be important and educated for future development and growth of the industry.

FMB556 Microanalysis of Financial Economics 1.5:0:1.5  
This course is designed to provide the basic economic theory to understand finance. The topics will include the consumer theory, firm theory, industry organization, and equilibrium theory from the perspective of finance.

FMB557 Financial Environment and Macroeconomy 1.5:0:1.5  
Financial markets and financial institutions are closely related with the macroeconomy. This course will teach the principles of macroeconomics and examine the macroeconomic effects on financial markets and financial institutions.

FMB558 Finance and Law 1.5:0:1.5  
We discuss legal issues in finance. Especially, we examine the soundness of the bank management by exploring the Banking Act.

FMB601 Corporate Valuation 1.5:0:1.5  
This course examines basic concepts of corporate valuation. This course provides a basic framework to understand corporate valuation from the perspective of financial analysts and information users. It also provides overview of the basic corporate valuation models - Dividend Discount Model, Discounted Cash Flow Model, Residual Income Model, Abnormal Earnings Growth Model and etc.

FMB602 Market Microstructure & Trading Strategies 1.5:0:1.5  
This course discusses the market microstructure of financial markets. The topics in this course will include the price-formation process, order structure, market making process, the impact of market microstructure on quotes and trades in financial markets, Dark Pools and other trading systems, algorithmic trading strategies, and other issues.

FMB603 Fixed Income Investments 1.5:0:1.5  
This course will provide the basic knowledge on fixed income investments. The course introduces fixed income securities markets and various types of fixed income securities to be used in fixed income investments. In addition, the topics discussed in this course include the basic concepts of fixed income security management such as yield-to-maturity, forward rates, duration and convexity, and various investment strategies related to fixed income securities.

FMB604 Investment Banking 1.5:0:1.5  
This course is designed to help you as an executive to understand the fundamental functions of investments banks. Precisely, we look at how investment banks help firms to strategically raise funds to finance investment projects and in the process how investment banks make money.

FMB605 Money and Banking 1.5:0:1.5  
This course is designed to help you prepare for careers in the central bank or in financial services industry where understanding economics of money and banking is crucial. To achieve the goal of this course effectively, we seek to bridge the gap between practitioners and academicians by applying theory to practice.

FMB606 Commercial Bank Management 1.5:0:1.5  
This course is designed to help you prepare for careers in the banking industry where successful interactions with the financial markets are crucial. To achieve the goal of this course effectively, we seek to bridge the gap between practitioners and academicians by applying theory to practice. We first examine theory of interest rates and financial markets. Topics on the management of financial institutions are covered to maintain the managerial perspective.

- FMB607 Corporate Governance 1.5:0:1.5  
 In this course, we look at this over-sighted area of finance: the relationship between corporate governance and firm value and shareholder wealth distribution. We mainly use the case study method to achieve this goal.
- FMB608 Business Strategies in Financial Service Industry 1.5:0:1.5  
 Financial institutions have some characteristics that manufacturing firms do not have. This course is designed to help understand the unique characteristics of financial service industry and to study the survival and differentiation strategies of financial institutions.
- FMB609 Principles of Insurance and Risk 1.5:0:1.5  
 This course focuses on issues regarding insurance and principles of risk sharing and transfers. This course studies law of large numbers, mutuality principle, risk aversion, and insurability.
- FMB610 Venture Capital Investments 1.5:0:1.5  
 In this course, we seek understand issues in venture capital investments. To achieve this goal, we overview the fundamental finance theories of risk-return relationships in investing start-up firms. Using the case study approach, we look at each issue including the exit strategies.
- FMB611 Private Equity Investments 1.5:0:1.5  
 In this course, we seek understand issues in venture capital investments. To achieve this goal, we overview the fundamental finance theories of risk-return relationships in investing start-up firms. Finally, we then explore the valuation technique and examine the exiting strategy using the case study approach.
- FMB612 Mergers and Acquisitions 1.5:0:1.5  
 This course is designed to help you as an executive to understand the fundamental functions of mergers and acquisitions in corporate decision making. To achieve the goal of this course effectively, we seek to bridge the gap between practitioners and academicians by applying theory to real world situations with case studies. Finally, issues continuously in the news and the subject of vigorous corporate financial policy debate will be discussed.
- FMB613 International Finance 1.5:0:1.5  
 This course extends the principles of finance to an international setting. Topics of the course include foreign exchange markets, international bond markets, determination and forecasting of the exchange rates, foreign exchange risk management and international portfolio investments.
- FMB614 Security Market Analysis 1.5:0:1.5  
 This course is designed to study the security markets where investors invest and firms raise their capital. This course covers the topics such as regulations, institutional characteristics, and the trading mechanisms in security markets.
- FMB615 Northeast Asian Financial Market 1.5:0:1.5  
 This course help students better understand the Northeast Asian Financial Markets by covering various issues regarding the development processes and recent statuses of the Northeast Asian Financial Markets.
- FMB616 International Financial Markets 1.5:0:1.5  
 There is a growing need to understand international financial markets due to the globalization of the world. This course is designed to provide the framework and institutional background knowledge of international financial markets. Topics on foreign exchange markets, eurocurrency markets, and international bond markets will be covered in the course.
- FMB617 Corporate Law 1.5:0:1.5  
 This course will first survey various forms of business association available in the current legal system in order to achieve business goals of securing sourcing, know-how, and market positioning. Then it will cover i) the fiduciary duties of the management, board of directors and controlling shareholder, ii) securities laws.
- FMB618 Advanced Corporate Financial Policy 1.5:0:1.5

This course investigates advanced topics in corporate finance. In particular, this course studies the topics such as real options and their applications, advanced topics in capital structure, corporate restructuring, lease, and short-term financing. I

FMB651 Financial Statement Analysis 1 1.5:0:1.5  
Financial statements are the summary of performance of a firm, and provide useful information for investors to evaluate the firm. The objective of this course is to learn a framework to analyze financial statements and to apply it in specific decision contexts such as investment and performance evaluation of a firm.

FMB652 Financial Statement Analysis II 1.5:0:1.5  
The objective of this course is to understand how accounting information is used for firm value evaluation and value creation. This course examines how key economic variables used for fundamental valuation and the financial variables derived from the financial analysis are used for value creation and value-based management.

FMB653 Advanced Accounting I 1.5:0:1.5  
The primary goal of this course is to provide students with the knowledge and skills required to become sophisticated users of financial statements and their accompanying footnotes. The topics covered include receivables, inventories, long-lived assets, investment in securities including derivatives.

FMB654 Advanced Accounting II 1.5:0:1.5  
This course covers the income statement and related issues, accounting changes and error correction, accounting for lease, income tax and pension and postretirement benefits. Also, such issues as intercompany investments and consolidation issues are covered.

FMB655 Managerial Accounting I 1.5:0:1.5  
This course studies basic issues on the concepts and principles of managerial accounting. In particular, this course studies cost concepts and behavior, cost-volume-profit analysis, product costing including activity based costing, variance analysis.

FMB656 Managerial Accounting II 1.5:0:1.5  
This course studies how basic concepts examined in the Managerial Accounting I are used in actual decision making. The topics include relevant costing, activity based management, strategic cost management, pricing and customer profitability analysis, transfer pricing, performance evaluation, and Balanced Scorecard.

FMB657 Tax Accounting I 1.5:0:1.5  
This course introduces students to the subject of taxation and provides the core knowledge of the underlying principles and major technical areas of taxation, as they affect the activities of individuals and businesses. The course include Basic Law for National Taxes and Value added tax, etc. The purpose is to provide a basic understanding of the role of taxes in decision-making and to prepare students for advanced topics in the second tax course.

FMB658 Tax Accounting II 1.5:0:1.5  
This course introduces students to the subject of taxation and provides the core knowledge of the underlying principles and major technical areas of taxation, as they affect the activities of individuals and businesses. The course include basic income tax, corporate tax and financing decisions, etc. The purpose is to provide a basic understanding of the role of taxes in decision-making.

FMB661 Green Technology Commercialization and Finance I 1.5:0:1.5  
This course focuses on the technological and cost "fundamentals" of emerging energy technologies, including solar, wind, biomass, oceanic, geothermal, hydropower, fuel cell (hydrogen), nuclear, and other more exotic energy sources. A premise of the course is that a sustainable energy technology must both be technically feasible and economically viable. We consequently investigate the technological promise and progress of each technology, as well as its economic opportunities and challenges. At the conclusion of the course, students will have a solid technical and economic understanding of these energy technologies.

FMB662 Green Technology Commercialization and Finance II 1.5:0:1.5

This course focuses on the technological and cost “fundamentals” of emerging energy technologies, including solar, wind, biomass, oceanic, geothermal, hydropower, fuel cell (hydrogen), nuclear, and other more exotic energy sources. A premise of the course is that a sustainable energy technology must both be technically feasible and economically viable. We consequently investigate the technological promise and progress of each technology, as well as its economic opportunities and challenges. At the conclusion of the course, students will have a solid technical and economic understanding of these energy technologies.

FMB663 Valuation of Green Firms 1.5:0:1.5

In this course, green industry is analyzed and we explore various valuation techniques and investment criteria for green companies. The course introduces such methods as DDM, DCF, RIM, EVA, and Real Options on green firms.

FMB664 Green Corporate Financial Strategy 1.5:0:1.5

This course examines financial strategy and financial policy of green firms. Topics include raising capital, capital structure decision, debt maturity structure, dividend policy of green firms. This course also covers issues on M&A, corporate governance, and corporate social responsibility.

FMB665 Green Accounting 1.5:0:1.5

This course covers the concept and principles of managerial accounting for green firms. The course examines such topics including product costing, activity-based costing, life cycle costs, environmental budget matrix and control. It also deals with the issue of sustainable balanced scorecard.

FMB666 Green Fund Investment Strategy 1.5:0:1.5

This course introduces the relationship between risk and rate of return for green funds and explores the applicability and the efficiency of green fund market. The course covers management techniques of green funds and study theory and application of green funds. In this course, the issue of socially responsible investment is also covered.

FMB667 Green Derivatives 1.5:0:1.5

This course examines derivatives with underlying assets such as energy, metals, CO2 emission allowance. Market micro-structure, trading strategy, pricing and hedging issues of commodities market will be covered in this class.

FMB668 Case Study in Green Finance I 1.5:0:1.5

This is a case study class on green financial markets. This course examines structures and characteristics of green financial markets and the cases of emerging green derivatives market. There will be student presentations at later stages of the course.

FMB669 Case Study in Green Finance II 1.5:0:1.5

This is a case study class in corporate financial strategy of green firms. Also, case studies in VC, PEF, M&A in green funds and green firms are covered. There will be student case presentations at later stages of the course.

FMB670 Special Topics in Green Finance I 1 : 0 : 1

In this course, students are introduced with tools to analyze newly arising essential topics green finance.

FMB671 Special Topics in Green Finance II 2 : 0 : 2

In this course, students are introduced with tools to analyze newly arising essential topics green finance.

FMB672 Special Topics in Green Finance III 3 : 0 : 3

In this course, students are introduced with tools to analyze newly arising essential topics in green finance.

FMB678 Economic Strategy and Finance 1.5:0:1.5

The purpose of this course is to make students understand the fundamental framework of the national economic system. Topics such as the general economic policy and planning, national budgeting and treasury management, tax system, national debt management, foreign exchange and international financial policy, and public institutions management will be covered.

FMB679 National Accounts and Budgeting	1.5:0:1.5
The purpose of this course is to understand the System of National Accounts (SNA). The System of National Accounts (SNA) is a statistical framework that provides a comprehensive, consistent and flexible set of macroeconomic accounts for policy making, analysis and research purposes.	
FMB680 Monetary Policy	1.5:0:1.5
This course discusses what the optimal monetary policy is, based on the theory of banking and finance. Students will study various monetary policy tools and their impacts and implications to the national economy as well as private firms.	
FMB681 Advanced Topics in Monetary Policy	1.5:0:1.5
This course is a continuation of the monetary policy class, and studies the more advanced topics not covered in the monetary policy class. The issues about the rational expectations and monetary policy will be discussed, but the topics may change.	
FMB682 Monetary Policies in Developing Countries	1.5:0:1.5
This course studies monetary policy issues in developing countries. Since the financial markets in developing countries are not fully developed, there are many issues in implementing monetary policies in developing countries. In addition, monetary policies are sometimes used to redistribute funds to the area that is desirable to economic growth. This course discusses the issues in this process as well.	
FMB683 Special Issues in Monetary Policy	1.5:0:1.5
This course focuses on special or current issues regarding monetary policies.	
FMB684 Special Topics in Monetary Policy I	1.5:0:1.5
This is a special course for new topics in monetary policy area with special interest and potential for development as a regular course. Topics may vary depending on the instructor in charge.	
FMB685 Special Topics in Monetary Policy II	1.5:0:1.5
This is a special course for new topics in monetary policy area with special interest and potential for development as a regular course. Topics may vary depending on the instructor in charge.	
FMB686 East Asian Economic Development and Developing Countries I	1.5:0:1.5
Successful economic developments of Japan & 1960s + 1970s Korea in East Asia in the 19th & 20th Centuries have been interesting examples for the current emerging/developing economies to learn by reviewing, finding their contributing factors to success.	
FMB687 East Asian Economic Development and Developing Countries II	1.5:0:1.5
Successful economic developments of East Asia since early 20th Century have been interesting examples for the current emerging/developing economies. Latter Korea and other developing countries cases will be studied by reviewing, finding their contributing factors to success.	
FMB688 Foreign Exchange Markets and Foreign Exchange Policy	1.5:0:1.5
This course examines theoretical and empirical issues related with foreign exchange markets such as the mechanics of foreign exchange trading, determination of exchange rates, choice of foreign exchange system, cases for foreign exchange crisis, policy tasks to secure the stability in foreign exchange sector, etc.	
FMB689 Finance and Science & Technology Policies for Economic Development	1.5:0:1.5
Capital, labor and land were three major inputs in production function, where technology was later added as important element. In economic development, policies for high value-added finance industry and science & technology have been important, which will be reviewed & discussed in the class.	
FMB691 Special Topics in Finance I	1.5:0:1.5
This is a special course for new topics in finance area with special interest and potential for development as a regular course.	
FMB692 Special Topics in Finance II	1.5:0:1.5

This is a special course for new topics in finance area with special interest and potential for development as a regular course.

FMB693 Special Topics in Finance III 1.5:0:1.5

This is a special course for new topics in finance area with special interest and potential for development as a regular course.

FMB694 Special Topics in Finance IV 1.5:0:1.5

This is a special course for new topics in finance area with special interest and potential for development as a regular course.

FMB695 Theory of corporate restructuring 1.5:0:1.5

This course provides theoretical and empirical foundations for corporate restructuring methods such as spin-off, divestitures, equity carve-out, and leverage recapitalization from the point of finance. It also examines the accounting and law perspectives as well as financial perspective.

FMB696 Special topics in investment banking 1.5:0:1.5

This course focuses on special or current issues regarding investment banking.

FMB697 Case Studies in Investment Banking 1.5:0:1.5

This course studies cases in various investment banking activities. The purpose of this course is for the students to have a bird eye's view on investment banking as well as practical knowledge in various investment banking activities.

FMB698 Case Studies in Bank Management 1.5:0:1.5

This course provides the bridge between bank management theories and bank management practices through case studies based on various bank management theories. The topics covered include the bank management in the financial crises, interest risk management, and bank management strategies.

FMB901 Business Presentation 3:1:0

The purpose of this course is to provide students with a range of skills, knowledge and options for presenting in a professional and interesting manner. The course also provides knowledge on how to present to a range of audiences. Participants are required to perform a variety of speeches on a regular basis, as well as to provide feedback to others, thereby creating a shared and mutually beneficial learning environment.

FMB902 Business English Writing 3:1:0

This course is an introduction to English business writing. It focuses on how to write business letters: email, short business reports, letters and proposals.

FMB960 Thesis for Graduate Students 0:0:9

This course is for the research on the thesis.

FMB961 Field Application Project 0:6:3

This course is designed to provide students with realistic field experience by their participation in special projects in the financial services industry. Students are expected to apply theories and practices they have learned from other courses, to have hands-on experiences, and to build a personal network with other industry experts during the course.

FMB965 Independent study for graduate studies 0:0:1.5

In this class, students will do independent studies with advisors over the major problems in the Financial industries. Specially, issues will be selected based on the criticality of the problems. Students will experience the whole process of modeling, analysis, insight generation, and strategy development.

FMB966 Seminar for Graduate Students 1.5:0:1.5

This course is offered to cover the methodology and techniques to analyze important new issues that arise in the field of finance.

FMB998 Internship Program

0:6:1.5

This course is designed to provide students with realistic field experience in the management area. Students will participate in special projects or in daily operation tasks in the Financial industries. They are expected to apply theories, and practice what they have learned from other courses, to have hands-on experiences, and to build a personal network with other industrial experts during the course.

FMB999 International Internship

0:6:1.5

This course was created to provide MBA students with an improved understanding of global issues and equip them with professional and international competence. This internship program will develop practical skills that integrate a student's academic learning into real life situations. In addition, this internship program will allow students to experience collaborative and multicultural work, as students work side by side with non-Korean employees and within different work and management contexts.