Course Description

ECO6000 Basic Quantitative Analysis
This course provides the basic knowledge on algebras and statistics to the students who do not have valid quantitative background.

ECO7100 Advanced Microeconomics
3 (3 - 0) credits
This course examines neo-classical general equilibrium theory. Topics covered include economic analysis and optimal decision, consumer choice and the demand for products, production function and cost curve, market structure, pricing, existence of competitive equilibrium, fundamental welfare theorems, externalities, and uncertainty.

ECO7101 Advanced Macroeconomics
3 (3 - 0) credits
Basic Keynesian model: consumption, investment, and money demand functions will be discussed. The course proceeds to extension to the open economy, determinants of money supply, interest rate, national income, effectiveness of monetary and fiscal policy, inflation and income policy, employment, elementary growth models, investment, consumption, and government expenditure, and balance of payments. Analyses are conducted through the use of macroeconomic models.

ECO7102 Quantitative Analysis
3 (3 - 0) credits
This course introduces the doctoral students with basic mathematical methods which are necessary for understanding literature. Discussion is made on Static Analysis, Comparative-Static Analysis, Optimization Problems, Basic Dynamic Analysis and Mathematical Programming. Topics covered are matrix algebra, differential and integral calculus, differential equations, difference equations, and linear programming.

ECO7103 Econometrics I
3 (3 - 0) credits
This course examines applied econometrics including basic techniques in regression analysis and some of the variety of models that are used when the linear model proves inadequate or inappropriate. Topics covered are Probability and Distribution Theory, Statistical Inference and Prediction and Regression Analysis.

ECO8204 Econometrics II
3 (3 - 0) credits
This course provides student with useful quantitative tools in recent research and sophisticated valuation models to understand and produce research in finance. Topics include the mechanics of GMM estimation, nonlinear least squares, maximum likelihood estimation, asymptotic results for regression models, Simultaneous Equations Models and Time-Series Models.

ECO8205 Multivariate Analysis
3 (3 - 0) credits
This course covers the basic multivariate techniques that are currently used in Literature. This includes principal components analysis, exploratory and confirmatory factor analysis, multivariate analysis of variance, discriminant function analysis. Other techniques, such as structural equation modeling, hierarchical linear modeling, cluster analysis, canonical correlation, or multidimensional scaling, will also be covered.

FIN6000 Principles of Finance
Non-credit
This course is to provide the basic knowledge on Finance to the students who do not have background in business.
### Course Description

**Ph.D. program in Business Administration**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FIN8201</td>
<td>Seminar in Financial Economics</td>
<td>3 (3-0)</td>
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<td>This course emphasizes on the basic theories of asset pricing. Topics discussed are individual investment decision under uncertainty including expected utility theory, state-preference theory, risk aversion, stochastic dominance, and two-period consumption-portfolio problem, equilibrium pricing theories including mean variance efficiency, Capital Asset Pricing Model, and Arbitrage Pricing Theory, and recent development in asset pricing.</td>
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<tr>
<td>FIN8202</td>
<td>Seminar in Corporate Finance</td>
<td>3 (3-0)</td>
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<td>This course is the intensive review of modern theories of corporate finance. An extensive reading of the current literature in corporate finance field includes the Modigliani-Miller invariance theorems, dividend policy, capital structure theory, mergers and acquisition, agency theory, asymmetric information and signaling, impact of taxes, and financial distress.</td>
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<tr>
<td>FIN8203</td>
<td>Seminar in Investment and Portfolio Management</td>
<td>3 (3-0)</td>
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<td>This course covers the major areas in investments: portfolio theory, asset pricing, valuation models market efficiency, pricing anomalies, performance evaluation, management of equity portfolios, management of fixed income portfolios, hedging strategies, asset allocation strategies, market timing, and the use of options and futures in portfolio management.</td>
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<tr>
<td>FIN8301</td>
<td>Seminar in Continuous-Time Finance</td>
<td>3 (3-0)</td>
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<td>This seminar course will introduce students to continuous-time finance. Topics covered are continuous-time stochastic processes, viability and state-price densities, and equivalent martingale measures, optimal consumption with complete markets and under constraints, derivations of some classic asset-pricing models and equilibrium models in continuous time.</td>
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<td>FIN8302</td>
<td>Seminar in International Finance</td>
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<td>The course is designed to apply the theory of business finance in an international context. Topics include the determinants of exchange rate and management of foreign exchange risk including hedging with financial instruments and operational hedge strategies, exchange rate forecasting, financial analysis and control of foreign investment decisions, foreign exchange markets efficiency, capital flows, balance of payments and exchange-rate policies and international monetary system. The course also considers financial functions in the multinational firms including capital budgeting, cost of capital, and capital structure.</td>
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<tr>
<td>FIN8303</td>
<td>Seminar in Financial Engineering and Risk Management</td>
<td>3 (3-0)</td>
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<td>This course covers the design of new financial securities, advanced techniques for pricing and measuring the risks of derivative securities, and strategies employing derivative securities, trading mechanisms, hedging and speculation, practical risk management issues, Market Risk (Value at Risk), and Credit risk. Corporate Government will also be discussed.</td>
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<tr>
<td>FIN8304</td>
<td>Seminar in Financial Markets and Financial Institutions</td>
<td>3 (3-0)</td>
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<td>This course examines major financial markets and financial institutions with emphasis on current trends and developments. Discussions include strategic financial issues including optimal asset allocation, regulatory environment, and cost of capital; modern management techniques including duration-based asset-liability modes, and a variety of risk-hedging instruments. Topics also include the instruments, the level and term structure of interest rates, globalization of financial markets, asset securitization, financial innovation, and technique to hedge interest-rate and foreign-currency risk.</td>
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MGT6000 Principles of Management  Non-credit
This course provides the knowledge on Principles of Management to the students who do not have background in Business Administration.

MGT7100 Research Design and Methodology  3 (3 - 0) credits
This course discusses a study of research design appropriate for basic and field research, including methodology for implementing such design. An analysis of various statistical methods for evaluating research data will be examined. The course includes prospectus and manuscript writing and submission, and also a critical review of various researches currently published.

MGT7110 Applied Behavioral Science  3 (3 - 0) credits
This course covers an in-depth review of recent research findings and contributions in behavioral science. Emphasis is placed on new theoretical development such as self-efficacy, group dynamics, self-managing teams, learning organizations, and world-class organizations. The topics also cover on innovation and organizational learning, evolution of firms and industries, corporate culture, power and politics in organization, social identity theory, motivation, affect, emotion, justice, job attitudes, leadership, and social networks.

MGT8201 Seminar in Organizational Issues  3 (3 - 0) credits
This course introduces doctoral students to issues in organizational strategy and behavior theory. The principal theoretical perspectives and empirical findings used to explain relationships among environments, organizational strategies, designs, and performance are discussed. Multiple theoretical paradigms including decision theory, structural contingency theory, institutional theory, transaction cost economics, network theory, resource dependence theory, organizational ecology, and industrial organization economics will be examined.

MGT8202 Seminar in Human Resource Management  3 (3 - 0) credits
The seminar will cover selected topics on current research on organizational behavior and human resource management. Topics covered may include theories of individual difference, motivation, leadership, decision making, interpersonal relations; significant issues currently confronting Personnel/Human Resource professionals, processes used by organizations in analyzing and implementing new programs and projects with consideration given to both the behavioral and economic (costs/savings) aspects of proposals.

MGT8203 Seminar in Strategic Management  3 (3 - 0) credits
This course introduces the principal theoretical perspectives and empirical findings in the field of strategy. It demonstrates the complexity of business problems and the interrelationship of business functions, strategic decision making, assessing the strategic situation, strategic planning systems and techniques, and implementation and control. Theoretical perspectives include industrial organization economics, resource-based view, agency and game theory, transaction cost economics, institutional theory, and organization ecology.

MGT8301 Seminar in Organizational Change and Development  3 (3 - 0) credits
This course introduces significant issues involving organizational paradigms, metaphors and organizational research, organizational learning and knowledge management, systems concepts and systems thinking, strategies and methods of organizational change and systems practice, organizational culture, creativity and cross-cultural perspectives, consultative methods and the role of the change agent, the nature of organizations in the future, methods of needs assessment, and indicators of organizational effectiveness.
MGT8302 Seminar in Leadership 3 (3-0) credits
This course examines major theories of leadership, traditional and contemporary perspectives on leadership and the group process toward which leadership is directed. Discussion is on conceptual background and empirical support for each leadership theory.

MGT8303 Seminar in International Management 3 (3-0) credits
This is the exploration of the emerging and leading ideas in management. It is an interdisciplinary study, and integrates what have become recognized areas of international business. It recognizes the value of a candidate's experience and seeks to draw this out while matching it with the literature and knowledge of scholarship. The themes explored center around the change to the service and knowledge economy, globalization, international business practice, and international business and trade forums, with their international protocols. It deals with the design of multi-national corporations, the creation of virtual organizations, alliances and networks, and how risk management addresses these complex realities.

MGT8304 Seminar in Operations Management 3 (3-0) credits
Selected topics in Operations Management (OM) will be examined, including research issues in OM, research in OM strategy, statistical quality control, productivity, inventory management and control, and various service operations. It will focus on the critical evaluation of current theory and methodology.

MKT6000 Principles of Marketing Non-credit
This course is to provide the knowledge on Principles of Marketing to the students who do not have background in Business Administration.

MKT8201 Seminar in Consumer Behavior 3 (3-0) credits
This course is an advanced study of current research underlying individual and group behavior of consumers, theories and conceptual approaches to the choice, purchase, and consumption behavior of buyers. It blends behavioral science and quantitative approaches and emphasizes research applications. Behavioral science-related theories will be applied to Consumer behavior from descriptive, predictive, and normative perspectives. Topics included are Consumer knowledge (learning, memory, categorization), attitude theory, decision-making, affect and social influence, relationship marketing, impact of technology on marketing thoughts and practice and marketing application of psychological, sociological and social psychological factors.

MKT8202 Seminar in Marketing Strategy 3 (3-0) credits
The evolution of marketing strategy is examined. The course emphasizes on the formulation of marketing strategies, and the management functions of directing, planning, organizing, coordinating and controlling as they are applied to operational marketing issues, and the analysis of the external environment. Topics include product pricing, distribution strategies, promotion, positioning and differentiation. The course critically evaluates strategic frameworks, assumptions, and concepts, and assesses the way strategic thinking relates to other functional areas.

MKT8203 Advanced Topics in Marketing Research 3 (3-0) credits
This course is an in-depth study of the development and validation of self-report measures used in marketing research. It focuses on conceptual and methodological tools for developing and investigating measurement scales, with particular emphasis on reliability and validity used in the current stream of marketing research.
MKT8301 Seminar in Price and Product Management 3 (3 - 0) credits
This course studies product management functions and pricing strategy in contemporary business. Topics included in product management are product strategies, product planning, product auditing, and legal aspects of products. Topics in price management include demand estimation, techniques used in setting prices, psychological aspects of pricing, and legal aspects of pricing.

MKT8302 Seminar in Marketing Channel Strategy 3 (3 - 0) credits
This course analyzes marketing channels as social, economic and political systems. Strong emphasis on understanding and dissecting behavioral dimensions of channel relations: roles of channel members, use of power, conflicts that arise among them, and their communication networks. Topics also include economic and structural dimensions of retailing, wholesaling, physical distribution and constraints on channel activities.

MKT8303 Seminar in Marketing Communication 3 (3 - 0) credits
This course studies on decision-making in the management of promotions. Topics include an evaluation of promotional mix, communications theories, advertising and promotional management and strategy development, advertising objectives and budget, media strategy, client-agency relationships, and the measurement of advertising effectiveness.

MKT8304 Seminar in International Marketing 3 (3 - 0) credits
This course examines international marketing policies, strategies, and objectives when entering and operating in foreign markets. Foreign market selection, product adaptation, and distribution channels are also discussed.

DST9901 Doctoral Project: Proposal Development 6 (6 - 0)
Candidate will focus on refining the research proposal and will make decisions about it in consultation with the main supervisor.

DST9902 Doctoral Project: Introduction 6 (6 - 0)
Candidate will formulate the Introductory Chapter of the dissertation, which includes background to the research, research problems, hypotheses or issues, justifications, delimitations, definitions and terms according to the guidelines.

DST9903 Doctoral Project: Literature Review 6 (6 - 0)
Candidate writes the Literature Review Chapter of the dissertation. Supervisor(s) and candidate will consult on an ongoing basis during this period.

DST9904 Doctoral Project: Data Gathering and Analysis 6 (6 - 0)
This stage is the data gathering and analysis for the dissertation.

DST9905 Doctoral Project: Conclusions and Recommendations 12 (12 - 0)
Candidate is expected to write the final Conclusions and Recommendations Chapter of the dissertation. This chapter includes an outline of findings, acknowledgement of limitations, recommendations for future research and applications in management practice. Then, the focus will be made on re-writing, corrections and revisions of all the chapters in the dissertation. Supervisor can recommend the acceptance of the dissertation for dissertation examination. The final grade will depend on the dissertation committee.