

# Courses Description

## A. Pre-Foundation Courses

### Plan 1 (1.1), Plan 2 (2.1) and Plan 2 (2.2)

**LC 4003 Advanced Reading and Writing in English for Graduate Studies** **3 Credits**  
**(Non credit)**

This course is aimed to review of essential reading and writing strategies required to read and write academic English. Course contents include work on sentence structures, vocabulary and recognition of major thought relationships in paragraphs, as well as practice in reading and writing academic English.

**LC 4013 Remedial Advanced Reading and Writing in English for Graduate Studies** **3 Credits**  
**(Non credit)**

This course is intended to provide additional practices in the reading and writing skills and strategies for students who failed to acquire essential skills in LC 4003 Advanced Reading and Writing in English for Graduate Studies. Students receive individualized attention to enhance their reading and writing skills for academic purposes.

**LC 4004 Advanced Integrated English Language Skills Development** **3 Credits**  
**(Non credit)**

This course is aimed to provide contents and teaching activities that focus on the integrated skills of listening, speaking, reading and writing with a particular emphasis on academic writing. Students will also work in small groups, practicing paper presentation techniques, precis writing, and research writing.

**LC 4014 Remedial Advanced Integrated English Language Skills Development** **3 Credits**  
**(Non credit)**

This course is intended to provide additional practice in the four skills – listening, speaking, reading and writing strategies covered in LC 4004 Advanced Integrated English Language Skills Development. Students receive individualized attention to enhance their communication skills in English.

## B. Basic Course

### Plan 1 (1.1) and Plan 2 (2.1)

**DE 7000 Mathematics for Economists** **3 Credits**  
**(Non credit)**

This course covers specific topics needed for advance economic study such as matrix algebra, differentiation and integral calculus, optimization, and differential equation analysis.

**Plan 2 (2.2)**

**DE 6100 Intermediate Microeconomics**

**3 Credits**

This course explores rational decisions of economic agents. Consumer behavior and demand for goods, production theory and costs, market structure, and price determination mechanism are the core focus. Basic concepts in general equilibrium theory, welfare economics and market failure, and remedies mechanism are topics to be discussed.

**DE 6200 Intermediate Macroeconomics**

**3 Credits**

This course focuses on theoretical and empirical models in intermediate macroeconomics for closed and opened economy studies. The course also analyzes economic fluctuations and impacts of monetary and fiscal policies. Growth theory and its application for sustainable development are included.

**DE 6300 Quantitative Analysis**

**3 Credits**

This course offers fundamental and advanced probability theory and probability distribution function in applied statistics. Moreover, the course covers an introduction to random variables, large sample theory, point estimation, interval estimation and hypothesis/hypotheses testing. A simple bivariate and multi-variate linear regression models are also introduced.

**DE 7000 Mathematics for Economists**

**3 Credits**

This course covers specific topics needed for advance economic study such as matrix algebra, differentiation and integral calculus, optimization, and differential equation analysis.

**C. Core Courses**

**Plan 1 (1.1), Plan 2 (2.1) and Plan 2 (2.2)**

- For students in Plan 1 (1.1) no credit earned in core courses.
- For students in Plan 2 (2.1) and Plan 2 (2.2) credit earned in core courses.

**DE 8001 Microeconomic Theory I**

**3 Credits**

This course offers microeconomic theory with an emphasis on analysis of consumer behavior, theory of firm, decision making under uncertainty. An analysis of market structure covers perfect competition, monopoly and monopsony, and imperfect competition. Game theory for microeconomics study and applications are also included.

**DE 8002 Microeconomics Theory II**

**3 Credits**

Microeconomic theory with an emphasis on the basic topics of classical microeconomic theory including market equilibrium, individual decision making, traditional market failure, and general equilibrium theory.

Prerequisite: DE 8001 Microeconomic Theory I

The dean of School of Development Economics may grant exemption for Prerequisites on case-by-case basis.

**DE 8003 Macroeconomic Theory I**

**3 Credits**

This course introduces economies modeled as dynamic equilibrium systems based on inter-temporal decisions. This framework is then used to study growth, social security system, asset pricing, and economic policy.

**DE 8004 Macroeconomic Theory II**

**3 Credits**

Advanced topics in Macroeconomics with emphasis on economic fluctuations. The competitive equilibrium business cycle and deviations from the competitive model are the main focuses. Topics include consumption and investment theories, real business cycle theory, and new Keynesian theory.

Prerequisite: DE 8003 Macroeconomic Theory I

The dean of School of Development Economics may grant exemption for Prerequisites on case-by-case basis.

**DE 8005 Econometrics I**

**3 Credits**

This course covers econometric methods for economic analysis. Topics include the theory and application of the least square (LS) and maximum likelihood (ML) estimators of the linear single equation, and structural models for time series, cross-sectional and panel data, specification analysis, and model choice issues and analysis of limited dependent variables.

**DE 8006 Econometrics II**

**3 Credits**

Advanced topics in econometrics are examined. Topics include the recent development in time series econometrics, univariate time series models in both mean and variance, unit roots and co-integration, non-linear regression technique and regime-switching model.

Prerequisite: DE 8005 Econometrics I

The dean of School of Development Economics may grant exemption for Prerequisites on case-by-case basis.

**D. Elective Courses**

**Plan 2 (2.1) and Plan 2 (2.2)**

**DE 9001 Development Economics**

**3 Credits**

This course is designed for an introduction to both theoretical and empirical issues on development economics. Also, the course encourages students to apply analytical tools in discussing current development topics. The topics include agricultural economics, household decision making, credit market and international lending, behavioral economics, and other contemporary issues.

**DE 9002 Economic Interdependence and Globalization**

**3 Credits**

The theory and empirical evidences concerning causes and consequences of international trade and investment. Topics include comparative advantage and specialization under perfect and imperfect competitive markets, income distribution and gains from trade, and the impacts of economic integration in corresponding with trade measures and policies. Analysis of international financial markets; foreign exchange, interest rate, and price relationships. International monetary economics covering topics like exchange rate and balance of payment determination, speculative attacks and target zones, monetary approaches to the adjustment mechanism, portfolio and asset market approaches, monetary integration and policy coordination.

**DE 9003 Asset Pricing Theory**

**3 Credits**

This course focuses on the economic theory for asset pricing model from the perspective of discrete and continuous-time analysis. It examines the microeconomic foundations of individual financial behavior, the financial market, and financial intermediation with some emphasis on risk and uncertainty. Topics include portfolio selection theory and investment decision, market imperfection, capital asset pricing models. The modern asset pricing models are examined, for example, Consumption Capital Asset Pricing Model (C-CAPM), multi-factor models. The empirical issues of asset pricing models are also discussed, for example, predictability of asset returns, and behavioral finance.

**DE 9004 Environmental Economics**

**3 Credits**

Applications of theoretical and empirical economic tools to number of environmental issues. Basic economic principles governing the allocation of various categories of scarce natural/environmental resources among competing uses, and basic analytical tools useful for applying these principles to real world allocation problems. Furthermore, a comprehensive introduction to the economic valuation of environmental resources and policies. The course will cover both key elements of economic theory that are needed to understand the methodologies covered, and an introduction to the analysis of data. The method covered are of direct relevance to policy formulation. Empirical issues on the use of environmental values are discussed.

**DE 9005 Public Policies for Sustainable Development**

**3 Credits**

The course focuses on the foundation of welfare economics, the economic role of government, and how government policies affect social welfare. In addition, the course also covers the theory of social choice in policy determination and the rationing of public policy to address some crucial social issues such as poverty relief and income redistribution. On the expenditure side, social cost-benefit analysis is introduced as a tool in public policy decision making. Some of the concepts related to public project assessment such as compensated demand, shadow price, and alternative discount rate are discussed. Several macroeconomic policies including monetary policy for stabilization (as an automatic stabilizer), fiscal policy for growth enhancing, international trade and investment policy for competitiveness and efficiency improvement are some of the topics to be investigated.

**DE 9006 Seminar in Frontier Economics**

**3 Credits**

Discussion sessions on new and developing economic issues based on theoretical and empirical evidence. Topics on advance and modern theories in various fields for example, welfare economic, behavior economic, capital market globalization, and public policy analysis.

**DE 9007 Directed Studies 1**

**3 Credit**

Topics not offered as a regular course but are of individual interests to students could be offered as a directed course under guidance of a faculty member.

**DE 9008 Directed Studies 2**

**2 Credits**

Topics not offered as a regular course but are of individual interests to students could be offered as a directed course under guidance of a faculty member.

**DE 9009 Directed Studies 3**

**3 Credits**

Topics not offered as a regular course but are of individual interests to students could be offered as a directed course under guidance of a faculty member.

**E. Dissertation**

**Plan 2 (2.1)**

**DE 9900 Dissertation**

**36 Credits**

Research in topics of interest under supervision of dissertation advisor. The additional coursework may be required by recommendation of dissertation advisor. Students are required to present dissertation proposal, progress report and viva core.

**Plan 1 (1.1) and Plan 2 (2.2)**

**DE 9900 Dissertation**

**48 Credits**

Research in topics of interest under supervision of dissertation advisor. The additional coursework may be required by recommendation of dissertation advisor. Students are required to present dissertation proposal, progress report and viva core.

**F. Independent Study**

**Master of Economics**

**DE 8900 Independent Study**

**3 (0-0-12)**

This course enables students to study and present individual research in the field of economics under the supervision of a faculty member. It aims to utilize knowledge in economics and research methodology to conduct an academic research with policy implications.