



**DOCTOR OF PHILOSOPHY  
PROGRAM IN ECONOMICS  
(INTERNATIONAL PROGRAM)**

**THE  
STUDENT  
HANDBOOK**

**FACULTY OF ECONOMICS  
SRINAKHARINWIROT UNIVERSITY**

**ACADEMIC YEAR 2021-2025**

## **GREETING FROM THE DEAN**

Congratulation on being accepted into one of our Doctor of Philosophy Program in Economics (International Program) at Faculty of Economics, Srinakharinwirot University.



The purpose of the Student Handbook is to assist graduate students to ensure that you will be successful and kept informed every step of the way regarding university academic expectations and resources and services available to students.

Our program provides students with a sound knowledge of an expanded range of theory and tools, and provides a consistent emphasis on the application of these tools to areas of policy importance. The professors and advisors will develop you to critical thinkers, researchers and experts in the chosen fields.

Again, congratulations on the steps and decisions you have made to bring success to your doctoral journey. We wish you all the best. I hope to see you in the future contributing your valuable knowledge to society.

**Assist. Prof. Adul Supanut, PhD**  
Dean of the Faculty of Economics

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## **Doctor of Philosophy in Economics (International Program)**

### **1. Program title**

Doctor of Philosophy Program in Economics (International Program)

### **2. Name of degree and field of study**

Full Title: Doctor of Philosophy Program in Economics (International Program)

Abbreviation: Ph.D. (Economics) (International Program)

### **3. Philosophy, significance and objectives of the curriculum**

#### **3.1 Philosophy**

The program is designed to produce scholars who contribute to research and create bodies of knowledge using economics devices in cross integration with other branches of knowledge in order to provide useful policies at the international level.

#### **3.2 The objectives of the curriculum**

The program's objectives are to produce graduates who are

3.2.1 Able to research and build a body of knowledge in economics to integrate appropriately in the changing social and economic context at an international level;

3.2.2 Able to provide useful policy recommendations to society at both national and international levels;

3.2.3 Able to create and present research results and new knowledge in economics and other involved branches of knowledge, both at a national and international level; and

3.2.4 Skilled leaders in integrating economics with academic ethics and public consciousness.

## 4. Educational Management

### 4.1 Academic System

The program is a bi-semester academic system where the study program for one academic year consists of two regular semesters. There will be a minimum period of 15 weeks' study in each semester.

### 4.2 Summer session

Teaching during summer recess can be done, and a minimum period of eight weeks' study is required. The teaching in summer will be carried out according to the decisions of the Program Committee.

### 4.3 Credits equivalent to the bi-semester system

Credit equivalent comparison is done in accordance with the Regulations of Srinakharinwirot University on Graduate Studies, B.E. 2559.

## 5. Curriculum

### 5.1 Program plans

Doctor of Philosophy in Economics (International Program) has plans of study.

#### **Plan 1 Research**

Plan 1.1 Research only

#### **Plan 2 Coursework and research which is divided into**

Plan 2.1 For people who hold Master's Degree

Plan 2.1.1 Students with a Master's Degree in economics, and

Plan 2.1.2 Students with a Master's Degree in another field.

Plan 2.2 For people who hold Bachelor's Degree in Economics with GPAX 3.50 above

## 5.2 Curriculum Structure

Course/Thesis	Plan 1.1 (Credits)	Plan 2.1.1 (Credits)	Plan 2.1.2 (Credits)	Plan 2.2 (Credits)
1. Courses				
Course courses	-	9	18	21
Electives	-	3	3	6
2. Thesis	48	26	26	48
Total (minimum)	48	48	57	75

## 5.3 Curriculum courses

### Plan 1.1 Research only

#### Thesis

GRD892 Dissertation 48 Credits

### Plan 2.1.1 Students with a Master's Degree in Economics

#### Core courses

ECO711 Advanced Microeconomics 3(3-0-6)

ECO712 Advanced Macroeconomics 3(3-0-6)

ECO713 Advanced Applied Econometrics 3(3-0-6)

#### Electives

Choose to take only one course from one of the subject groups (Economics subject group and Integrated subject group) for 3 credits.

#### 1. Economics subject group

ECO831 Selected Topics and Policy Analysis in Development Economics 3(2-2-5)

ECO832 Selected Topics and Policy Analysis in Monetary Economics 3(2-2-5)

ECO833 Selected Topics and Policy Analysis in International Economics 3(2-2-5)

ECO834	Selected Topics and Policy Analysis in Behavioral and Experimental Economics	3(2-2-5)
ECO835	Selected Topics and Policy Analysis in Public Economics	3(2-2-5)

## 2. Integrated subject group

ECO841	Selected Topics in Public Health Policy and Management	3(2-2-5)
ECO842	Selected Topics in Education and Human Capital Policy	3(2-2-5)
ECO843	Selected Topics and Policy Analysis in Agricultural, Industrial and Energy Economics	3(2-2-5)
ECO844	Selected Topics and Policy Analysis in Tourism and Sport Economics	3(2-2-5)
ECO845	Selected Topics and Policy Analysis in Technology and Innovation Economics	3(2-2-5)

## Thesis

GRD892	Dissertation	36 Credits
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Plan 2.1.2 Students with a Master's Degree in another field

## Core courses

ECO511	Microeconomic Theory	3(3-0-6)
ECO512	Macroeconomic Theory	3(3-0-6)
ECO513	Applied Econometrics	3(3-0-6)
ECO711	Advanced Microeconomics	3(3-0-6)
ECO712	Advanced Macroeconomics	3(3-0-6)
ECO713	Advanced Applied Econometrics	3(3-0-6)

### Electives

Choose to take only one course from one of the subject groups (Economics subject group and Integrated subject group) for 3 credits.

#### 1. Economics subject group

ECO831	Selected Topics and Policy Analysis in Development Economics	3(2-2-5)
ECO832	Selected Topics and Policy Analysis in Monetary Economics	3(2-2-5)
ECO833	Selected Topics and Policy Analysis in International Economics	3(2-2-5)
ECO834	Selected Topics and Policy Analysis in Behavioral and Experimental Economics	3(2-2-5)
ECO835	Selected Topics and Policy Analysis in Public Economics	3(2-2-5)

#### 2. Integrated subject group

ECO841	Selected Topics in Public Health Policy and Management	3(2-2-5)
ECO842	Selected Topics in Education and Human Capital Policy	3(2-2-5)
ECO843	Selected Topics and Policy Analysis in Agricultural, Industrial and Energy Economics	3(2-2-5)
ECO844	Selected Topics and Policy Analysis in Tourism and Sport Economics	3(2-2-5)
ECO845	Selected Topics and Policy Analysis in Technology and Innovation Economics	3(2-2-5)



## Thesis

GRD891 Dissertation 36 Credits

Plan 2.2 For those with a bachelor's degree in economics and at least 75 credits in total

## Core courses

ECO511	Microeconomic Theory	3(3-0-6)
ECO512	Macroeconomic Theory	3(3-0-6)
ECO513	Applied Econometrics	3(3-0-6)
ECO521	Research Methodology in Economics	3(2-2-5)
ECO711	Advanced Microeconomics	3(3-0-6)
ECO712	Advanced Macroeconomics	3(3-0-6)
ECO713	Advanced Applied Econometrics	3(3-0-6)

## Electives

Choose 6 credits as follows.

(1) Choose one course from the master's level subject group for 3credits;

ECO631	Public Economics	3(2-2-5)
ECO632	International Economics	3(2-2-5)
ECO633	Monetary and Financial Economics	3(2-2-5)
ECO634	Development Economics	3(2-2-5)
ECO635	Behavioral and Experimental Economics	3(2-2-5)

and (2) choose to take only one course from one of the subject groups (Economics subject group and Integrated subject group) at the doctoral level for 3 credits.

1. Economics subject group

ECO831	Selected Topics and Policy Analysis in Development Economics	3(2-2-5)
ECO832	Selected Topics and Policy Analysis in Monetary Economics	3(2-2-5)
ECO833	Selected Topics and Policy Analysis in International Economics	3(2-2-5)
ECO834	Selected Topics and Policy Analysis in Behavioral and Experimental Economics	3(2-2-5)
ECO835	Selected Topics and Policy Analysis in Public Economics	3(2-2-5)

2. Integrated subject group

ECO841	Selected Topics in Public Health Policy and Management	3(2-2-5)
ECO842	Selected Topics in Education and Human Capital Policy	3(2-2-5)
ECO843	Selected Topics and Policy Analysis in Agricultural, Industrial and Energy Economics	3(2-2-5)
ECO844	Selected Topics and Policy Analysis in Tourism and Sport Economics	3(2-2-5)
ECO845	Selected Topics and Policy Analysis in Technology and Innovation Economics	3(2-2-5)

## Thesis

GRD892

Dissertation

48 Credits

The definition of subject codes

ECO means Economics

The first number means level course, 5-6 means master's level course and 7-8 means doctoral level course.

The definition of the credit number such as 3(3-0-6)

The first number refers to the total credits of the course.

The first number in the parentheses refers to lecture hours per week.

The second number in the parentheses refers to practice hours per week.

The third number in the parentheses refers to self-study hours per week.

### 5.4 Study Plan

Plan 1.1 Holders of a Master's Degree in Economics choosing to do only research

Year 1 Semester 1			Year 1 Semester 2		
Code	Course name	Credits	Code	Course name	Credits
GRD892	Dissertation	6	GRD892	Dissertation	6
Total		6	Total		6
Year 2 Semester 1			Year 2 Semester 2		
Code	Course name	Credits	Code	Course name	Credits
GRD892	Dissertation	9	GRD892	Dissertation	9
Total		9	Total		9
Year 3 Semester 1			Year 3 Semester 2		
Code	Course name	Credits	Code	Course name	Credits
GRD892	Dissertation	9	GRD892	Dissertation	9
Total		9	Total		9

Plan 2.1 Holders of a Master's Degree in any field choosing to do research and take additional courses

### 2.1.1 For those with a degree in Economics

Year 1 Semester 1			Year 1 Semester 2		
Code	Course name	Credits	Code	Course name	Credits
ECO711	Advanced Microeconomics	3	ECO713	Advanced Applied Econometrics	3
ECO712	Advanced Macroeconomics	3	ECO8xx	Elective at the doctoral level	3
Total		6	Total		6
Year 2 Semester 1			Year 2 Semester 2		
Code	Course name	Credits	Code	Course name	Credits
GRD891	Dissertation	9	GRD891	Dissertation	9
Total		9	Total		9
Year 3 Semester 1			Year 3 Semester 2		
Code	Course name	Credits	Code	Course name	Credits
GRD891	Dissertation	9	GRD891	Dissertation	9
Total		9	Total		9

Note: To make a research proposal, the student must pass the Qualifying Examination first.

### 2.1.2 For those with degrees in other fields

Year 1 Semester 1			Year 1 Semester 2		
Code	Course name	Credits	Code	Course name	Credits
ECO511	Microeconomic Theory	3	ECO711	Advanced Microeconomics	3
ECO512	Macroeconomic Theory	3	ECO712	Advanced Macroeconomics	3
ECO513	Applied Econometrics	3	ECO713	Advanced Applied Econometrics	3
Total		9	Total		9

Year 2 Semester 1			Year 2 Semester 2		
Code	Course name	Credits	Code	Course name	Credits
ECO8xx	Elective at the doctoral level	3	GRD891	Dissertation	9
GRD891	Dissertation	9			
Total		12	Total		9
Year 3 Semester 1			Year 3 Semester 2		
Code	Course name	Credits	Code	Course name	Credits
GRD892	Dissertation	9	GRD892	Dissertation	9
Total		9	Total		9

### Plan 2.2 Holders of Bachelor's Degree

Year 1 Semester 1			Year 1 Semester 2		
Code	Course name	Credits	Code	Course name	Credits
ECO511	Microeconomic Theory	3	ECO521	Research Methodology in Economics	3
ECO512	Macroeconomic Theory	3	ECO6xx	Elective at the master's level	3
ECO513	Applied Econometrics	3			
Total		9	Total		6
Year 2 Semester 1			Year 2 Semester 2		
Code	Course name	Credits	Code	Course name	Credits
ECO711	Advanced Microeconomics	3	ECO713	Advanced Applied Econometrics	3
ECO712	Advanced Macroeconomics	3	ECO8xx	Elective at the doctoral level	3
Total		6	Total		6

Year 3 Semester 1			Year 3 Semester 2		
Code	Course name	Credits	Code	Course name	Credits
GRD892	Dissertation	12	GRD892	Dissertation	12
Total		12	Total		12
Year 4 Semester 1			Year 4 Semester 2		
Code	Course name	Credits	Code	Course name	Credits
GRD892	Dissertation	12	GRD892	Dissertation	12
Total		12	Total		12

## 5.5 Course Description

### 1. Required subjects

ECO511                      Microeconomic Theory                      3(3-0-6)

A study of intermediate microeconomic theory through the topics of individual optimal decision making, equilibrium, consumer behavior theory, rational choice, utility maximization, cost minimization, production theory, cost, decision making under uncertainty, perfect competitive market, monopoly, oligopoly, monopolistic competition, market failures, game theory, general equilibrium, welfare and externalities, and application of the above microeconomic theories to explain economic and social phenomena.

ECO512                      Macroeconomic Theory                      3(3-0-6)

A study of intermediate macroeconomic theory through the topics of macroeconomic models, economic and financial volatility, rational predictions, consumption choices and savings, real business cycle models, labor and leisure alternatives, investment decisions, money, Inflation, asset pricing, current accounts, financial crisis, monetary policy and fiscal policy, economic growth theories of Solow and Ramsey, the overlapping generational models, and application of the above macroeconomic theories to explain economic and social phenomena.

ECO513                      Applied Econometrics                      3(3-0-6)

Applied study on the topics of generating economic models from linear regression models and non-linear models, the regression method for forecasting, time series data and continuous cross-sectional data, estimates of internal tool variables, differences between experimental and semi-experimental methods, and using econometric software to analyze economic issues with economic data.

ECO521                      Research Methodology in                      3(2-2-5)  
Economics

This course examines the economic research process through learning and practice on the topics of economic research, research structure, research processes, research questions, formulation of hypothesis, application of economic models, development of research tools, data collection and analysis, analysis of related research, critical review of economic literature, integration of economic theories and other sciences, quantitative and qualitative research skills in empirical research, and research writing and presentation skills.

ECO711                      Advanced Microeconomics                      3(3-0-6)

This course offers an in-depth study on advanced microeconomic theories using mathematical models on the topics of consumer and manufacturer behaviors under certainty, partial equilibrium theory and general equilibrium, welfare economics, externality, public goods, market failures and asymmetric information, collaborative and non-cooperative games in game theory, static and dynamic games, market power, oligopoly model, antagonistic selection, signaling and screening, the principal agent theory, and application and discussion of the above advanced microeconomic theories to analyze socio-economic issues through case studies and international research.

ECO712      Advanced Macroeconomics      3(3-0-6)

This course offers an in-depth study of advanced macroeconomic theories through the topics of dynamic optimization, general equilibrium model, Solow's and Ramsey's economic growth models, human capital and economic growth models, technological change and economic growth, dynamic stochastic general equilibrium (DSGE) models, new Keynesian theory, role of monetary and fiscal policy, overlapping generations model, appropriate taxation in environments during uncertain periods, real business cycle model, asset pricing in general equilibrium, and application and discussion of the above advanced macroeconomic theories to analyze socio-economic issues through case studies and international research.

ECO713      Advanced Applied  
Econometrics      3(3-0-6)

This course provides applied econometric methods on the topics of ordinary least squares, generalized least squares, maximum likelihood estimation, simultaneous equations, limited dependent variable models, time series models, trend models, seasonal models, vector autoregression (VAR) model, continuous cross-sectional data, panel data, stationary models and stochastic models, and application and discussion of the above topics to analyze policies and situations related to socioeconomic issues through the use of econometric software.

### Elective Courses

#### General Economics

ECO631      Public Economics      3(2-2-5)

This course analyzes the role of the Thai government in the economy, the balance between government activities and the private sector, government spending and revenue structure, and tax principles through class discussion with government officials, focusing on economic knowledge integration, analysis of the impact of taxation, budgets and issues related to budget policy and fiscal policy.



ECO632

International Economics

3(2-2-5)

This course focuses on the development of international trade theory, international trade policy, international economic organizations, economic integration, international balance of payments through case studies, application and discussion of international economics, balance of payments process, and foreign exchange market and exchange rate determination.

ECO633

Monetary and Financial Economics

3(2-2-5)

This course explores the role and importance of money and loans in the economic system as well as the financial system and monetary market, role of interest rates in financial system, commercial banks and money supply, central banks through case studies on monetary policy and its impact on economic activities, and economic principle analysis on the importance of money in international trade and payment systems.

ECO634

Development Economics

3(2-2-5)

This course emphasizes economic development theory and economic development history of various countries through case studies, the application of theoretical knowledge in the analysis of economic development situations, and modern strategies to promote economic development through in-class lecture and discussion activities focusing on integration of economic knowledge with public policy, political sciences, and political issues.

ECO635 Behavioral and Experimental Economics 3(2-2-5)

This course presents standard economic models (SEM) based on hypothesis optimization and rational decision making; and behavioral economic models (BEM), which are the integration of economic theory and psychology on the topics of system 1, system 2, behavioral biases, nudge theory, and decision making; and the experimental economics approach through case studies, application and discussion of behavioral and experimental economics used in the study of economic and social issues.

ECO831 Selected Topics and Policy Analysis in Development Economics 3(2-2-5)

This course focuses on measurement of economic development; characteristics of developing countries; economic factors and factors affecting economic development; barriers to economic development; economic development in Thailand; planning for economic development focusing on characteristics, methods, and related issues; analysis of government agencies in real-world situations; role of trade in economic development; foreign aid; and foreign investment through discussion of case studies in the public and private sectors.

ECO832 Selected Topics and Policy Analysis in Monetary Economics 3(2-2-5)

This course covers the effects of financial variations on the efficiency of resource utilization, financial variations, causes of financial variations, income distribution and economic development, policy on financial stability, impact of wealth on the economy, wealth in direct exchange, wealth as a commodity, current deposit, wealth and consumer behavior, and wealth analysis with macroeconomic models via off-site study.

ECO833 Selected Topics and Policy Analysis 3(2-2-5)  
in International Economics

This course focuses on international investment and the role of multinational corporations in international trade negotiations as well as role of international economic institutions, and types of international investment, lectured on and discussed by experts from the Office of the Board of Investment of Thailand. It also covers economic effects in the investor's country and in the recipient's country, foreign investment promotion, multinational corporations and government policy, and cooperation from international organizations with the Ministry of Foreign Affairs and Ministry of Commerce.

ECO834 Selected Topics and Policy Analysis 3(2-2-5)  
in Behavioral and Experimental  
Economics

This course investigates knowledge integration from multidisciplinary and traditional economics; effects of psychological, social, public, and emotional aspects on personal and institutional decisions; negotiation on market price; profit and allocation of economic resources; decision-making based on the constraints of organizations and individuals; behavioral models; choice in neoclassical economics with the ability to explain it via concepts, theories, tests, and experiments; and systematic data collection

ECO835 Selected Topics and Policy Analysis 3(2-2-5)  
in Public Economics

This course deals with behavior and interaction between economic factors and the economic system function; key components of economic analysis; markets based on individuals, households, and businesses; overall economic analysis; public problems; unsystematic use of labor, capital, and land resources; and public policy on financial and fiscal management in conjunction with government organizations through classroom discussion.

## Integrated Economics

ECO841      Selected Topics in Public Health      3(2-2-5)  
Policy and Management

This course investigates economic principle application in defining public health policy; planning and organizing of health services to maximize interest in public health; and allocation of limited public health resources to maximize benefits to society. Effort is made to answer questions on why health is managed, how health policy is made, who the public health stakeholders are and when public health visits and knowledge sharing on-site by personnel from the Ministry of Public Health are best managed.

ECO842      Selected Topics in Education and      3(2-2-5)  
Human Capital Policy

This course studies the creation of an organization's human capital, intellectual capital, social capital, and emotional capital; policy making; building of knowledge, expertise, experience, and skill among employees; strategy on maximization of an individual's abilities; gaining a competitive advantage; and formulation of policy or direction of organizational development by focusing on investment in the corporate employees' competencies and skills to attain the organization's goal.

ECO843      Selected Topics and Policy Analysis      3(2-2-5)  
in Agricultural Industrial and Energy  
Economics

This course looks into the planning processes of agriculture, industry and energy; regulations on project consideration in developing countries; case studies in project planning and management based on resource development goals; project design; feasibility study; economic concepts in agriculture, industry, and energy; environmental impact and utilization of process or pricing mechanism; enforcement of public policy on management; and environmental impact reduction through off-site study.

ECO844      Selected Topics and Policy Analysis      3(2-2-5)  
                 in Tourism and Sport Economics

This course elaborates on tourism and sports development direction in accordance with government policy, planning development in tourism and sports registration, laws related to tourism and sports, role of sport and tourism in Thai people's quality of life improvement, and economic tools in driving national job creation and revenue growth in an economy based on quality tourism and sports markets. It also focuses on teaching cooperation for public and private networks to balance economic, social, and environmental areas.

ECO845      Selected Topics and Policy Analysis      3(2-2-5)  
                 in Technology and Innovation  
                 Economics

This course presents a compilation of a body of knowledge on theoretical and practical aspects of economic policy and digital management; integration of digital technology and management as well as legal and ethical aspects; creation of active learning processes, application of national and international research to digital technology policy and management for teaching processes which support students' creative leadership in digital technology or information technology in both public and private organizations.