

**DOCTOR OF PHILOSOPHY PROGRAM IN ECONOMICS  
(INTERNATIONAL PROGRAM)  
PROGRAM REVISION 2018**

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**Institution Name:** National Institute of Development Administration

**School:** Graduate School of Development Economics

|                            |
|----------------------------|
| <b>General Information</b> |
|----------------------------|

**1. Name of Program**

Name in Thai: หลักสูตรปรัชญาดุษฎีบัณฑิต สาขาวิชาเศรษฐศาสตร์  
(หลักสูตรนานาชาติ)

Name in English: Doctor of Philosophy Program in Economics  
(International Program)

**2. Name of Degree**

Full Name: ปรัชญาดุษฎีบัณฑิต (เศรษฐศาสตร์)  
Doctor of Philosophy (Economics)

Abbreviated Name: ปร.ด. (เศรษฐศาสตร์)  
Ph.D. (Econ.)

**3. Major Subject (if any)**

None

**4. Number of credits in the curriculum**

Plan 1 (1.1) Focuses on research, no requirement for courses, a total of 48 credits  
Plan 2 (2.1) Coursework 30 credits and Dissertation 36 credits, a total of 66 credits  
Plan 2 (2.2) Coursework 42 credits and Dissertation 48 credits, a total of 90 credits

**5. Place for Studying**

All teaching will be held at the National Institute of Development Administration.  
118, Serithai Road, Klongchan, Bangkok, Bangkok 10240, Thailand.  
Tel. +66 2727-3640

**6. Philosophy and Objectives of the Program**

**Philosophy**

The Doctor of Philosophy Program in Economics (International Program) aims to produce graduates with the advanced theoretical knowledge and analytical skills to help expanding the economic research frontier as well as making decisions on complex economic policies. Such contributions are the keys to a sustained economic development in Thailand.

## 7. Program Operation

### 7.1 Teaching Hours

First semester begins August – December

Second semester begins January – May

Summer semester begins June – July

### 7.2 Qualifications of Applicants

**7.2.1 Plan 1 (1.1) and Plan 2 (2.1)**, A master's degree or equivalent from an institution accredited by the following: the Commission on Higher Education, the Office of the Civil Service Commission or the standard organizations is required or by approval of the Council of the institute.

**7.2.2 Plan 2 (2.2)**, A bachelor's degree or equivalent from an institution accredited by the following: the Commission on Higher Education, the Office of the Civil Service Commission or the standard organizations is required or by approval of the Council of the institute and the must obtain the bachelor's degree with first class honors or have GPA. not less than 3.50.

**7.2.3** Consideration for applicants will be made based upon the applicant's scholastic records, statement of purpose and English language proficiency and interview.

## 8. Budget

Budget allocation is from the government, the National Institute of Development Administration, and the Graduate School of Development Economics.

| Semester              | Plans        | Year 1<br>(Baht/person) | Year 2<br>(Baht/person) | Year 3<br>(Baht/person) | Year 4<br>(Baht/person) | Year 5<br>(Baht/person) |
|-----------------------|--------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| International Program | Plan 1 (1.1) | 178,040.-               | 196,040.-               | 62,020.-                | -                       | -                       |
|                       | Plan 2 (2.1) | 179,040.-               | 125,040.-               | 140,040.-               | 120,040.-               | -                       |
|                       | Plan 2 (2.2) | 232,040.-               | 124,040.-               | 140,040.-               | 150,020.-               | 42,020.-                |

## 9. Curriculum and Teaching Staff

### 9.1 Curriculum

#### 9.1.1 Credits

**Plan 1 (1.1)** Focuses on research, no requirement for coursework, a total of 48 credits

**Plan 2 (2.1)** Research and coursework requirements, a total of 66 credits

**Plan 2 (2.2)** Research and coursework requirements, a total of 90 credits

#### 9.1.2 Program structure

| Courses                   | Plan 1 (1.1)<br>Focuses on research,<br>no requirement for<br>courses | Plan 2 (2.1)<br>Research and<br>courses<br>requirements | Plan 2 (2.2)<br>Research and<br>courses<br>requirements |
|---------------------------|---|---|---|
| 1. Pre-Foundation Courses | 6 credits<br>(Non credit)   | 6 credits<br>(Non credit)                               | 6 credits<br>(Non credit)                               |
| 2. Basic Courses          | 3 credits<br>(Non credit)   | 3 credits<br>(Non credit)                               | 12 credits  |
| 3. Core Courses           | -   | 18 credits  | 18 credits  |
| 4. Elective Courses       | -   | 12 credits  | 12 credits  |
| 5. Dissertation           | 48 credits  | 36 credits  | 48 credits  |
| 6. Qualifying Examination | Required  | Required  | Required  |
| <b>Total</b>              | <b>48 Credits</b>   | <b>66 Credits</b>                                       | <b>90 Credits</b>                                       |

### 9.1.3 Courses List

#### a) Plan 1 (1.1)

The formal course requirements for *Plan 1 (1.1)*. This course focuses on research only with a total of 48 credits. No credit earned in DE 7000 Mathematics for Economists may be applied toward the Ph.D. degree.

#### Pre-Foundation Courses (Non credit)

Students who do not meet the minimum requirements of English proficiency tests stipulated by the program must enroll in the English for graduate studies program and receive a grade not lower than “B” within the following periods:

|         |   |           |
|---------|---|-----------|
| LC 4003 | Advanced Integrated English Language Skills Development               | 3 (3-0-6) |
| LC 4012 | Remedial Integrated English Language Skills Development               | 3 (3-0-6) |
| LC 6000 | Advanced Reading and Writing in English for Graduate Studies          | 3 (3-0-6) |
| LC 6001 | Remedial Advanced Reading and Writing in English for Graduate Studies | 3 (3-0-6) |

*Remark:* Exemption of enrollment to English for graduate studies courses are determined in compliance with the criteria and requirements stipulated in the English for graduate studies program by the Graduate School of Language and Communication, National Institute of Development Administration.

#### Basic Course (Non credit)

|         |                            |           |
|---------|----------------------------|-----------|
| DE 7000 | Mathematics for Economists | 3 (3-0-6) |
|---------|----------------------------|-----------|

This is a required course for all doctoral students in the program. To be exempted from the course, students must petition for the permission from the School Dean.

#### Dissertation (48 Credits)

|         |              |            |
|---------|--------------|------------|
| DE 9900 | Dissertation | 48 Credits |
|---------|--------------|------------|

*Remarks:* The criteria for dissertation defense shall be in accordance with the Directives of the National Institute of Development Administration on Education B.E. 2557 (2014), the revision of the Directives of the National Institute of Development Administration on Education, and the Ministry of Education Graduate Program Standard Criteria B.E. 2558 (2015).

#### b) Plan 2 (2.1)

The formal course requirements for *Plan 2 (2.1)* must be met with 66 credits. No credit earned in DE 7000 Mathematics for Economists may be applied toward the Ph.D. degree.

#### Pre-Foundation Courses (Non credit)

Students who do not meet the minimum requirements of English proficiency tests stipulated by the program must enroll in the English for graduate studies program and receive a grade not lower than “B” within the following periods:

|         |   |           |
|---------|---|-----------|
| LC 4003 | Advanced Integrated English Language Skills Development               | 3 (3-0-6) |
| LC 4012 | Remedial Integrated English Language Skills Development               | 3 (3-0-6) |
| LC 6000 | Advanced Reading and Writing in English for Graduate Studies          | 3 (3-0-6) |
| LC 6001 | Remedial Advanced Reading and Writing in English for Graduate Studies | 3 (3-0-6) |

*Remark:* Exemption of enrollment to English for graduate studies courses are determined in compliance with the criteria and requirements stipulated in the English for graduate studies program by the Graduate School of Language and Communication, National Institute of Development Administration.

**Basic Course (Non credit)**

DE 7000 Mathematics for Economists 3 (3-0-6)

This is a required course for all doctoral students in the program. To be exempted from the course, students must petition for the permission from the School Dean.

**Core Courses (18 Credits)**

DE 8100 Microeconomic Theory I 3 (3-0-6)

DE 8200 Microeconomic Theory II 3 (3-0-6)

DE 8300 Macroeconomic Theory I 3 (3-0-6)

DE 8400 Macroeconomic Theory II 3 (3-0-6)

DE 8500 Econometrics I 3 (3-0-6)

DE 8600 Econometrics II 3 (3-0-6)

**Elective Courses (12 Credits)**

Students must choose four Ph.D.-level courses in economics or related to their area of specialization as electives under the guidance of advisor.

DE 9000 Development Economics: Microeconomic Issues 3 (3-0-6)

DE 9001 Development Economics: Macroeconomic Issues 3 (3-0-6)

DE 9002 International Trade 3 (3-0-6)

DE 9003 International Finance 3 (3-0-6)

DE 9004 Financial Economics 3 (3-0-6)

DE 9005 Asset Pricing Theory 3 (3-0-6)

DE 9006 Natural Resources and Environmental Economics 3 (3-0-6)

DE 9007 Environmental Valuation 3 (3-0-6)

DE 9008 Taxation and Welfare Economics 3 (3-0-6)

DE 9009 Government Expenditure and Public Policy 3 (3-0-6)

DE 9010 Behavioral Economics 3 (3-0-6)

DE 9011 Quantitative Tools for Economic Analysis 3 (3-0-6)

DE 9012 Economic Approach to Policy Analysis 3 (3-0-6)

DE 9013 Labor Economics 3 (3-0-6)

DE 9014 Health Economics 3 (3-0-6)

DE 9015 Game Theory 3 (3-0-6)

DE 9016 Independent Research Paper 3 (0-0-12)

DE 9017 Directed Study 3 (3-0-6)

*Remark:* Schedule of elective courses are subject to approval of the School of Development Economics.

**Dissertation (36 Credits)**

DE 9900 Dissertation 36 Credits

*Remarks:* The criteria for dissertation defense shall be in accordance with the Directives of the National Institute of Development Administration on Education B.E. 2557 (2014), the revision of the Directives of the National Institute of Development Administration on Education, and the Ministry of Education Graduate Program Standard Criteria B.E. 2558 (2015).

**c) Plan 2 (2.2)**

The formal course requirements for *Plan 2 (2.2)* must be met with 90 credits.

**Pre-Foundation Courses (Non credit)**

Students who do not meet the minimum requirements of English proficiency tests stipulated by the program must enroll in the English for graduate studies program and receive a grade not lower than “B” within the following periods:

|         |   |           |
|---------|---|-----------|
| LC 4003 | Advanced Integrated English Language Skills Development               | 3 (3-0-6) |
| LC 4012 | Remedial Integrated English Language Skills Development               | 3 (3-0-6) |
| LC 6000 | Advanced Reading and Writing in English for Graduate Studies          | 3 (3-0-6) |
| LC 6001 | Remedial Advanced Reading and Writing in English for Graduate Studies | 3 (3-0-6) |

*Remark:* Exemption of enrollment to English for graduate studies courses are determined in compliance with the criteria and requirements stipulated in the English for graduate studies program by the Graduate School of Language and Communication, National Institute of Development Administration.

**Basic Course (12 Credits)**

|         |                             |           |
|---------|-----------------------------|-----------|
| DE 6001 | Intermediate Microeconomics | 3 (3-0-6) |
| DE 6002 | Intermediate Macroeconomics | 3 (3-0-6) |
| DE 6003 | Basic Econometrics          | 3 (3-0-6) |
| DE 7000 | Mathematics for Economists  | 3 (3-0-6) |

**Core Courses (18 Credits)**

|         |                         |           |
|---------|-------------------------|-----------|
| DE 8100 | Microeconomic Theory I  | 3 (3-0-6) |
| DE 8200 | Microeconomic Theory II | 3 (3-0-6) |
| DE 8300 | Macroeconomic Theory I  | 3 (3-0-6) |
| DE 8400 | Macroeconomic Theory II | 3 (3-0-6) |
| DE 8500 | Econometrics I          | 3 (3-0-6) |
| DE 8600 | Econometrics II         | 3 (3-0-6) |

**Elective Courses (12 Credits)**

Students must choose four Ph.D.-level courses in economics or related to their area of specialization as electives under the guidance of advisor.

|         |   |           |
|---------|---|-----------|
| DE 9000 | Development Economics: Microeconomic Issues   | 3 (3-0-6) |
| DE 9001 | Development Economics: Macroeconomic Issues   | 3 (3-0-6) |
| DE 9002 | International Trade                           | 3 (3-0-6) |
| DE 9003 | International Finance                         | 3 (3-0-6) |
| DE 9004 | Financial Economics                           | 3 (3-0-6) |
| DE 9005 | Asset Pricing Theory                          | 3 (3-0-6) |
| DE 9006 | Natural Resources and Environmental Economics | 3 (3-0-6) |
| DE 9007 | Environmental Valuation                       | 3 (3-0-6) |
| DE 9008 | Taxation and Welfare Economics                | 3 (3-0-6) |
| DE 9009 | Government Expenditure and Public Policy      | 3 (3-0-6) |
| DE 9010 | Behavioral Economics                          | 3 (3-0-6) |
| DE 9011 | Quantitative Tools for Economic Analysis      | 3 (3-0-6) |
| DE 9012 | Economic Approach to Policy Analysis          | 3 (3-0-6) |
| DE 9013 | Labor Economics                               | 3 (3-0-6) |
| DE 9014 | Health Economics                              | 3 (3-0-6) |
| DE 9015 | Game Theory                                   | 3 (3-0-6) |

|                                    |            |
|------------------------------------|------------|
| DE 9016 Independent Research Paper | 3 (0-0-12) |
| DE 9017 Directed Study             | 3 (3-0-6)  |

*Remark:* Schedule of elective courses are subject to approval of the School of Development Economics.

**Dissertation (48 Credits)**

|                      |            |
|----------------------|------------|
| DE 9900 Dissertation | 48 Credits |
|----------------------|------------|

*Remarks:* The criteria for dissertation defense shall be in accordance with the Directives of the National Institute of Development Administration on Education B.E. 2557 (2014), the revision of the Directives of the National Institute of Development Administration on Education, and the Ministry of Education Graduate Program Standard Criteria B.E. 2558 (2015).

**d) Master of Economics**

This alternative set of requirements for the Master's Degree must be met with 36 credits if students change their plans or fail to satisfy the Ph.D. requirements.

**Pre-Foundation Courses (Non credit)**

Students who do not meet the minimum requirements of English proficiency tests stipulated by the program must enroll in the English for graduate studies program and receive a grade not lower than "B" within the following periods:

|   |           |
|---|-----------|
| LC 4003 Advanced Integrated English Language Skills Development               | 3 (3-0-6) |
| LC 4012 Remedial Integrated English Language Skills Development               | 3 (3-0-6) |
| LC 6000 Advanced Reading and Writing in English for Graduate Studies          | 3 (3-0-6) |
| LC 6001 Remedial Advanced Reading and Writing in English for Graduate Studies | 3 (3-0-6) |

*Remark:* Exemption of enrollment to English for graduate studies courses are determined in compliance with the criteria and requirements stipulated in the English for graduate studies program by the Graduate School of Language and Communication, National Institute of Development Administration.

**Basic Courses (12 Credits)**

|                                     |           |
|-------------------------------------|-----------|
| DE 6001 Intermediate Microeconomics | 3 (3-0-6) |
| DE 6002 Intermediate Macroeconomics | 3 (3-0-6) |
| DE 6003 Basic Econometrics          | 3 (3-0-6) |
| DE 7000 Mathematics for Economists  | 3 (3-0-6) |

**Core Courses (9 Credits)**

|                                |           |
|--------------------------------|-----------|
| DE 8100 Microeconomic Theory I | 3 (3-0-6) |
| DE 8300 Macroeconomic Theory I | 3 (3-0-6) |
| DE 8500 Econometrics I         | 3 (3-0-6) |

**Elective Courses (12 Credits)**

Students shall choose any course from elective courses under the guidance of advisor to complete the requirement.

|                                   |           |
|-----------------------------------|-----------|
| DE 8xxx/9xxx Elective Course (#1) | 3 (3-0-6) |
| DE 8xxx/9xxx Elective Course (#2) | 3 (3-0-6) |
| DE 8xxx/9xxx Elective Course (#3) | 3 (3-0-6) |
| DE 8xxx/9xxx Elective Course (#4) | 3 (3-0-6) |

**Independent Studies (3 Credits)**

|                             |            |
|-----------------------------|------------|
| DE 8900 Independent Studies | 3 (0-0-12) |
|-----------------------------|------------|

### 9.1.4 Study Plan

A typical program of a Ph.D. student consists of the following sequence:

#### a) Plan 1 (1.1) Dissertation only no requirement for courses

|   |  |                           |
|---|--|---------------------------|
| <b>First Summer (8 weeks)</b>               |  |                           |
| DE 7000                                     | Mathematics for Economists                                   | Non credit                |
| <b>First Year, 1<sup>st</sup> Semester</b>  |  |                           |
| LC 6000                                     | Advanced Reading and Writing in English for Graduate Studies | 3 Credits<br>(Non credit) |
| DE 9900                                     | Dissertation   | 6 Credits                 |
| <b>First Year, 2<sup>nd</sup> Semester</b>  |  |                           |
| LC 4003                                     | Advanced Integrated English Language Skills Development      | 3 Credits<br>(Non credit) |
| DE 9900                                     | Dissertation   | 6 Credits                 |
| <b>Second Year, 1<sup>st</sup> Semester</b> |  |                           |
| DE 9900                                     | Dissertation   | 12 Credits                |
| <b>Second Year, 2<sup>nd</sup> Semester</b> |  |                           |
| DE 9900                                     | Dissertation   | 12 Credits                |
| <b>Third Year, 1<sup>st</sup> Semester</b>  |  |                           |
| DE 9900                                     | Dissertation   | 12 Credits                |

#### b) Plan 2 (2.1) Dissertation and course requirements

|   |  |                           |
|---|--|---------------------------|
| <b>First Summer (8 weeks)</b>               |  |                           |
| DE 7000                                     | Mathematics for Economists                                   | Non credit                |
| <b>First Year, 1<sup>st</sup> Semester</b>  |  |                           |
| LC 6000                                     | Advanced Reading and Writing in English for Graduate Studies | 3 Credits<br>(Non credit) |
| DE 8100                                     | Microeconomic Theory I                                       | 3 Credits                 |
| DE 8300                                     | Macroeconomic Theory I                                       | 3 Credits                 |
| DE 8500                                     | Econometrics I   | 3 Credits                 |
| <b>First Year, 2<sup>nd</sup> Semester</b>  |  |                           |
| LC 4003                                     | Advanced Integrated English Language Skills Development      | 3 Credits<br>(Non credit) |
| DE 8200                                     | Microeconomic Theory II                                      | 3 Credits                 |
| DE 8400                                     | Macroeconomic Theory II                                      | 3 Credits                 |
| DE 8600                                     | Econometrics II  | 3 Credits                 |
| <b>Second Year, 1<sup>st</sup> Semester</b> |  |                           |
| DE 9xxx                                     | Elective Course (#1)   | 3 Credits                 |
| DE 9xxx                                     | Elective Course (#2)   | 3 Credits                 |
| <b>Second Year, 2<sup>nd</sup> Semester</b> |  |                           |
| DE 9xxx                                     | Elective Course (#3)   | 3 Credits                 |
| DE 9xxx                                     | Elective Course (#4)   | 3 Credits                 |
| <b>Third Year, 1<sup>st</sup> Semester</b>  |  |                           |
| DE 9900                                     | Dissertation   | 6 Credits                 |
| <b>Third Year, 2<sup>nd</sup> Semester</b>  |  |                           |
| DE 9900                                     | Dissertation   | 12 Credits                |
| <b>Fourth Year, 1<sup>st</sup> Semester</b> |  |                           |
| DE 9900                                     | Dissertation   | 12 Credits                |
| <b>Fourth Year, 2<sup>nd</sup> Semester</b> |  |                           |
| DE 9900                                     | Dissertation   | 6 Credits                 |

**c) Plan 2 (2.2) Dissertation and course requirements**

**First Summer (8 weeks)**

|         |                             |           |
|---------|-----------------------------|-----------|
| DE 6001 | Intermediate Microeconomics | 3 Credits |
| DE 6002 | Intermediate Macroeconomics | 3 Credits |
| DE 6003 | Basic Econometrics          | 3 Credits |
| DE 7000 | Mathematics for Economists  | 3 Credits |

**First Year, 1<sup>st</sup> Semester**

|         |   |                           |
|---------|---|---------------------------|
| LC 6000 | Advanced Reading and Writing in English<br>for Graduate Studies | 3 Credits<br>(Non credit) |
| DE 8100 | Microeconomic Theory I  | 3 Credits                 |
| DE 8300 | Macroeconomic Theory I  | 3 Credits                 |
| DE 8500 | Econometrics I  | 3 Credits                 |

**First Year, 2<sup>nd</sup> Semester**

|         |  |                           |
|---------|--|---------------------------|
| LC 4003 | Advanced Integrated English Language Skills<br>Development | 3 Credits<br>(Non credit) |
| DE 8200 | Microeconomic Theory II                                    | 3 Credits                 |
| DE 8400 | Macroeconomic Theory II                                    | 3 Credits                 |
| DE 8600 | Econometrics II  | 3 Credits                 |

**Second Year, 1<sup>st</sup> Semester**

|         |                      |           |
|---------|----------------------|-----------|
| DE 9xxx | Elective Course (#1) | 3 Credits |
| DE 9xxx | Elective Course (#2) | 3 Credits |

**Second Year, 2<sup>nd</sup> Semester**

|         |                      |           |
|---------|----------------------|-----------|
| DE 9xxx | Elective Course (#3) | 3 Credits |
| DE 9xxx | Elective Course (#4) | 3 Credits |

**Third Year, 1<sup>st</sup> Semester**

|         |              |           |
|---------|--------------|-----------|
| DE 9900 | Dissertation | 6 Credits |
|---------|--------------|-----------|

**Third Year, 2<sup>nd</sup> Semester**

|         |              |            |
|---------|--------------|------------|
| DE 9900 | Dissertation | 12 Credits |
|---------|--------------|------------|

**Fourth Year, 1<sup>st</sup> Semester**

|         |              |            |
|---------|--------------|------------|
| DE 9900 | Dissertation | 12 Credits |
|---------|--------------|------------|

**Fourth Year, 2<sup>nd</sup> Semester**

|         |              |            |
|---------|--------------|------------|
| DE 9900 | Dissertation | 12 Credits |
|---------|--------------|------------|

**Fifth Year, 1<sup>st</sup> Semester**

|         |              |           |
|---------|--------------|-----------|
| DE 9900 | Dissertation | 6 Credits |
|---------|--------------|-----------|

There is an alternative set of requirements that can be used for the Master's Degree if students change their plans or fail to satisfy the Ph.D. requirements:

**d) Master of Economics**

**First Summer (8 weeks)**

|         |                             |           |
|---------|-----------------------------|-----------|
| DE 6001 | Intermediate Microeconomics | 3 Credits |
| DE 6002 | Intermediate Macroeconomics | 3 Credits |
| DE 6003 | Basic Econometrics          | 3 Credits |
| DE 7000 | Mathematics for Economists  | 3 Credits |



**First Year, 1<sup>st</sup> Semester**

|         |  |                           |
|---------|--|---------------------------|
| LC 6000 | Advanced Reading and Writing in English for Graduate Studies | 3 Credits<br>(Non credit) |
| DE 8100 | Microeconomic Theory I                                       | 3 Credits                 |
| DE 8300 | Macroeconomic Theory I                                       | 3 Credits                 |
| DE 8500 | Econometrics I   | 3 Credits                 |

**First Year, 2<sup>nd</sup> Semester**

|              |   |                           |
|--------------|---|---------------------------|
| LC 4003      | Advanced Integrated English Language Skills Development | 3 Credits<br>(Non credit) |
| DE 8xxx/9xxx | Elective Course (#1)                                    | 3 Credits                 |
| DE 8xxx/9xxx | Elective Course (#2)                                    | 3 Credits                 |

**Second Year, 1<sup>st</sup> Semester**

|              |                      |           |
|--------------|----------------------|-----------|
| DE 8xxx/9xxx | Elective Course (#3) | 3 Credits |
| DE 8xxx/9xxx | Elective Course (#4) | 3 Credits |
| DE 8900      | Independent Studies  | 3 Credits |

**9.1.5 Course Description**

**A. Pre-Foundation Courses**

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

|                |   |   |
|----------------|---|---|
| <b>LC 6000</b> | <b>Advanced Reading and Writing in English for Graduate Studies</b>   | <b>3 (3-0-6)</b><br><b>(Non credit)</b> |
|                | 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.  |   |
| <b>LC 6001</b> | <b>Remedial Advanced Reading and Writing in English for Graduate Studies</b>  | <b>3 (3-0-6)</b><br><b>(Non credit)</b> |
|                | For students who failed to acquire essential skills in LC 6000, additional practice in the reading and writing skills and strategies will be provided. Students receive individualized attention to enhance their reading and writing skills for academic purposes.                         |   |
| <b>LC 4003</b> | <b>Advanced Integrated English Language Skills Development</b>  | <b>3 (3-0-6)</b><br><b>(Non credit)</b> |
|                | Course contents and teaching activities 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. |   |
| <b>LC 4012</b> | <b>Remedial Integrated English Language Skills Development</b>  | <b>3 (3-0-6)</b><br><b>(Non credit)</b> |
|                | This course is intended to provide additional practice in the four skills – listening, speaking, reading and writing strategies covered in LC 4003. 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 (3-0-6)**  
**(Non credit)**

The course reviews/introduces mathematical concepts and techniques commonly used in economic analysis and the graduate theory courses.

### **Plan 2 (2.2)**

#### **DE 6001 Intermediate Microeconomics**

**3 (3-0-6)**

The course offers fundamental approaches to explain rational decisions of economic agents. Economic analysis of 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 6002 Intermediate Macroeconomics**

**3 (3-0-6)**

This course aims to provide background on theoretical and empirical models in intermediate macroeconomics. The topics include: Static and dynamic form in real economic world, monetary and fiscal policies and basic growth theory.

#### **DE 6003 Basic Econometrics**

**3 (3-0-6)**

The study of 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 model is also introduced.

#### **DE 7000 Mathematics for Economists**

**3 (3-0-6)**

The course reviews/introduces mathematical concepts and techniques commonly used in economic analysis and the graduate theory courses.

## **C. Core Courses**

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

#### **DE 8100 Microeconomic Theory I**

**3 (3-0-6)**

Microeconomic theory with an emphasis on analysis of consumer behavior, theory of firm, decision making under uncertainty, perfect competition, monopoly and monopsony, and imperfect competition. Game theory will also be introduced.

#### **DE 8200 Microeconomics Theory II**

**3 (3-0-6)**

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 8100 Microeconomic Theory I

The Dean may grant exemption for Prerequisites on case-by-case basis.

**DE 8300 Macroeconomic Theory I** **3 (3-0-6)**  
An introduction of the most relevant issues and developments of dynamic modern macroeconomics. Economies are therefore modeled as dynamic equilibrium systems based on inter-temporal decisions. This framework is then used to study growth, social security system, asset price behavior, and economic policy.

**DE 8400 Macroeconomic Theory II** **3 (3-0-6)**  
Advanced topics in Macroeconomics with emphasis on economic fluctuations. The competitive equilibrium business cycle and deviations from the competitive model are the main focus. Topics include consumption and investment theories, real business cycle theory, and new Keynesian theory.  
Prerequisite: DE 8300 Macroeconomic Theory I  
The Dean may grant exemption for Prerequisites on case-by-case basis.

**DE 8500 Econometrics I** **3 (3-0-6)**  
Econometric methods for economic analysis. Topics include the theory and application of the LS and ML estimators of the linear single equation, and structural models for cross-sectional and panel data, specification analysis, and model choice issues and analysis of limited dependent variables.

**DE 8600 Econometrics II** **3 (3-0-6)**  
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 and regime-switching model.  
Prerequisite: DE 8500 Econometrics I  
The Dean may grant exemption for Prerequisites on case-by-case basis.

#### **D. Elective Courses**

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

**DE 9000 Development Economics: Microeconomic Issues** **3 (3-0-6)**  
An introduction to both theories and empirical issues on development economics. The course is also designed to encourage students to apply analytical tools in discussing current development topics. The topics include household decision problem, land and agriculture, risk and insurance, health and nutrition, education, wage and labor market, and behavioral economics.

**DE 9001 Development Economics: Macroeconomic Issues** **3 (3-0-6)**  
Topics of development economics at both macro and micro levels. The course provides both theories and current empirical evidence on various aspects including microfinance, financial development and economic growth, social security system and population aging, institutional economics, as well as income inequality.

**DE 9002 International Trade** **3 (3-0-6)**  
The theory and evidence concerning causes and consequences of international trade with attention focused on the interplay of economic theory and empirical descriptions of foreign trade and foreign direct investment. Topics include comparative advantage on the imperfectly competitive markets, income distribution and the gains from trade, and the impact of taxes, tariff, and subsidies on international trade.

**DE 9003 International Finance** **3 (3-0-6)**  
Analysis of international capital markets, exchange rates, interest and prices. 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 9004 Financial Economics** **3 (3-0-6)**  
A synthesis of finance theory 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 signaling, market imperfection, capital pricing models, and arbitrage pricing. This course also covers basic corporate financial economics, mainly theory and empirical issues on the firm's investment and financing decisions.

**DE 9005 Asset Pricing Theory** **3 (3-0-6)**  
The modern asset pricing models are examined. The topics include the dynamic theories: Consumption Capital Asset Pricing Model (C-CAPM), term structure of interest rate and derivative pricing. Empirical evidences on asset pricing are also explored. The topics include: Predictability of asset returns, multi-factor models and behavioral finance.

**DE 9006 Natural Resources and Environmental Economics** **3 (3-0-6)**  
Applications of theoretical and empirical economic tools to a number of environmental issues. The major objectives are for students to: (1) learn basic economic principles governing the allocation of various categories of scarce natural/environmental resources among competing uses, and (2) gain experience with basic analytical tools useful for applying these principles to real world allocation problems.

**DE 9007 Environmental Valuation** **3 (3-0-6)**  
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 methods covered are of direct relevance to policy formulation. Empirical issues on the use of environmental values are discussed.

- DE 9008 Taxation and Welfare Economics 3 (3-0-6)**  
Theory and evidence on the economic analysis of the public sector. The course focuses on the foundation of welfare economics, the role of government, and government taxation policy: what does government do and what are the effects of these actions. Topics include the impact of taxation on the allocation of resources and the distribution of income, tax incidence, efficiency of taxation, and optimal taxation.
- DE 9009 Government Expenditures and Public Policy 3 (3-0-6)**  
The economic roles of government, the public expenditure theory, and how government policies affect social welfare will be examined. The course explores the general concept of public goods and the reasons that justify government provision, the roles of public policies such as income redistribution, taxes and subsidies, and government grants on the supply of public goods, as well as local government and the participatory development of local communities. The evaluation of public expenditure with reference to the Thai economy will be discussed.
- DE 9010 Behavioral Economics 3 (3-0-6)**  
Extension of the fundamental hypotheses in microeconomics of rational and consistency axioms in consumer's preferences to the impact of psychology, individual's attitude and mindset, as well as social contexts that influence people's decision making. We take into account a larger set of preferences that include the endowment effect, loss aversion, framing and so forth. Some empirical evidences and experiments will be applied to illustrate people's economic behavior in reality especially under the uncertain world.
- DE 9011 Quantitative Tools for Economic Analysis 3 (3-0-6)**  
Applications of advanced quantitative tools and computer packages for economic analysis and policy evaluation are introduced. Both quantitative theories and practical issues in empirical researches are discussed.
- DE 9012 Economic Approach to Policy Analysis 3 (3-0-6)**  
Application of economic approach to policy analysis are explored. Topics include, role of government, review of welfare economics and policy agenda, rules and institutions, legislators and politicians, benefit and cost of program, transaction cost, tax incentives, budget allocation and non-budgetary fund. Principal-agent model, empirical data to observe behavioral change and econometric model for policy evaluation are also discussed.
- DE 9013 Labor Economics 3 (3-0-6)**  
Analysis of labor demand, labor supply, labor market equilibrium, labor market policy, human capital, and labor market dynamics. A great deal of emphasis will be placed on the analytical advances in modern labor economics that have had impacts on research in other fields within economics and in other disciplines.

**DE 9014 Health Economics** **3 (3-0-6)**  
Economic analysis of health care and health care reform with respect to allocation efficiency and equity. Topics include the economic determinants of health, market for medical care, insurance market, interaction between health and other markets, investment in health sector, and government regulation and public financing in health care.

**DE 9015 Game Theory** **3 (3-0-6)**  
The behavior of economic agent and the analysis of optimal decisions being dependent upon other agents' actions. Various models of equilibrium are explored to capture various ways economic agents make their decisions under different games: static games, dynamic games, or games of incomplete information.

**DE 9016 Independent Research Paper** **3 (0-0-12)**  
Students write a substantial research paper under supervision of a faculty member approved by Dean of School of Development Economics.

**DE 9017 Directed Study** **3 (3-0-6)**  
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 Studies**

**Master of Economics**

**DE 8900 Independent Studies** **3 (0-0-12)**  
Students develop research proposal and write a substantial research paper (or thesis) related to economic issues. The work shall be done under supervision of a faculty member approved by the Dean of School of Development Economics.

## 9.2 Name, Surname, Personal Identification Number, Position, Education of Program Faculty

### 9.2.1 Program Administrators

| No. | Name Lists                 | Personal Identification Number | Position            | Degree / Field of study         | Educational Institution                  | Year |
|-----|----------------------------|--------------------------------|---------------------|---------------------------------|--|------|
| 1   | Mr.Yuthana Sethapramote    | xxxxxxxxxxxxx                  | Associate Professor | Ph.D. (Economics)               | The University of Warwick (U.K.)         | 2005 |
|     |                            |                                |                     | M.Sc. (Economics)               | The University of Warwick (U.K.)         | 2000 |
|     |                            |                                |                     | B.A. (Economics)                | Thammasat University (Thailand)          | 1995 |
| 2   | Mr. Sasatra Sudsawasd      | xxxxxxxxxxxxx                  | Associate Professor | Ph.D. (Economics)               | Georgia State University (U.S.A.)        | 2004 |
|     |                            |                                |                     | M.A. (Economics)                | University of Missouri-St.Louis (U.S.A.) | 1999 |
|     |                            |                                |                     | B.Eng. (Industrial Engineering) | Thammasat University (Thailand)          | 1995 |
| 3   | Miss Prasopchoke Mongsawad | xxxxxxxxxxxxx                  | Assistant Professor | Ph.D. (Economics)               | University of Missouri-Columbia (U.S.A.) | 2001 |
|     |                            |                                |                     | M.A. (Economics)                | University of Missouri-Columbia (U.S.A.) | 1997 |
|     |                            |                                |                     | B.B.A. (Finance and Banking)    | Thammasat University (Thailand)          | 1993 |

### 9.2.2 Program's responsible staffs

| No. | Name Lists                | Personal Identification Number | Position            | Degree / Field of study                                      | Educational Institution                             | Year |
|-----|---------------------------|--------------------------------|---------------------|--|---|------|
| 1   | Mr.Direk Patmasiriwat     | xxxxxxxxxxxxx                  | Professor           | Ph.D. (Economics)  | University of Georgia (U.S.A.)                      | 1977 |
|     |                           |                                |                     | M.S. (Economics)   | Louisiana State University (U.S.A.)                 | 1972 |
|     |                           |                                |                     | B.A. (Economics)   | Thammasat University (Thailand)                     | 1970 |
| 2   | Mr.Piriya Pholphirul      | xxxxxxxxxxxxx                  | Professor           | Ph.D. (Economics)  | Georgia State University (U.S.A.)                   | 2002 |
|     |                           |                                |                     | M.A. (Economics)   | Georgia State University (U.S.A.)                   | 2000 |
|     |                           |                                |                     | M.S. (Economics)   | University of Illinois at Urbana-Champaign (U.S.A.) | 1998 |
|     |                           |                                |                     | B.Econ. (International Economics)                            | Chulalongkorn University (Thailand)                 | 1996 |
| 3   | Mr.Yuthana Sethapramote   | xxxxxxxxxxxxx                  | Associate Professor | Ph.D. (Economics)  | The University of Warwick (U.K.)                    | 2005 |
|     |                           |                                |                     | M.Sc. (Economics)  | The University of Warwick (U.K.)                    | 2000 |
|     |                           |                                |                     | B.A. (Economics)   | Thammasat University (Thailand)                     | 1995 |
| 4   | Mr. Sasatra Sudsawasd     | xxxxxxxxxxxxx                  | Associate Professor | Ph.D. (Economics)  | Georgia State University (U.S.A.)                   | 2004 |
|     |                           |                                |                     | M.A. (Economics)   | University of Missouri-St.Louis (U.S.A.)            | 1999 |
|     |                           |                                |                     | B.Eng. (Industrial Engineering)                              | Thammasat University (Thailand)                     | 1995 |
| 5   | Mr.Sorasart Sukcharoensin | xxxxxxxxxxxxx                  | Associate Professor | D.B.A. (Finance)   | Thammasat University (Thailand)                     | 2003 |
|     |                           |                                |                     | B.Econ. (Business Economics)                                 | Sukhothai Thammathirat University (Thailand)        | 2001 |
|     |                           |                                |                     | M.S. (Administration)  | Boston University (U.S.A.)                          | 1994 |
|     |                           |                                |                     | B.B.A. (Marketing)   | Assumption University (Thailand)                    | 1992 |
| 6   | Mr.Adis Israngkura        | xxxxxxxxxxxxx                  | Associate Professor | Ph.D. (Economics)  | North Carolina State University (U.S.A.)            | 1994 |
|     |                           |                                |                     | M.A. (Economics)   | University of Canterbury (N.Z.)                     | 1985 |
|     |                           |                                |                     | B.A. (Economics)   | University of Canterbury (N.Z.)                     | 1984 |
| 7   | Mr.Udomsak Seenprachawong | xxxxxxxxxxxxx                  | Associate Professor | Ph.D. Business Administration (Economics)                    | The University of Memphis (U.S.A.)                  | 1994 |
|     |                           |                                |                     | M.B.A. (Business Administration)                             | Memphis State University (U.S.A.)                   | 1990 |
|     |                           |                                |                     | Bachelor of Science in Statistics                            | Chulalongkorn University (Thailand)                 | 1988 |
| 8   | Mrs. Nada Chunsom         | xxxxxxxxxxxxx                  | Assistant Professor | D.B.A. (Finance)   | United States International University (U.S.A.)     | 1995 |
|     |                           |                                |                     | M.I.B.A. (International Business Administration and Finance) | United States International University (U.S.A.)     | 1993 |
|     |                           |                                |                     | B.Econ. (International Economics)                            | Chulalongkorn University (Thailand)                 | 1992 |

| No. | Name Lists                  | Personal Identification Number | Position            | Degree / Field of study                        | Educational Institution                                     | Year |
|-----|-----------------------------|--------------------------------|---------------------|--|---|------|
| 9   | Miss Prasopchoke Mongsawad  | xxxxxxxxxxxxx                  | Assistant Professor | Ph.D. (Economics)                              | University of Missouri-Columbia (U.S.A.)                    | 2001 |
|     |                             |                                |                     | M.A. (Economics)                               | University of Missouri-Columbia (U.S.A.)                    | 1997 |
|     |                             |                                |                     | B.B.A. (Finance and Banking)                   | Thammasat University (Thailand)                             | 1993 |
| 10  | Mrs. Pariyada Sukcharoensin | xxxxxxxxxxxxx                  | Assistant Professor | D.B.A. (Finance)                               | Thammasat University (Thailand)                             | 2003 |
|     |                             |                                |                     | M.A. (International Economics and Finance)     | Chulalongkorn University (Thailand)                         | 1997 |
|     |                             |                                |                     | B.B.A. (Finance and Banking)                   | Thammasat University (Thailand)                             | 1995 |
| 11  | Mr. Wisit Chaisrisawatsuk   | xxxxxxxxxxxxx                  | Assistant Professor | Ph.D. (Economics)                              | The Florida State University (U.S.A.)                       | 2004 |
|     |                             |                                |                     | M.A. (Economics)                               | University of Colorado at Denver (U.S.A.)                   | 1998 |
|     |                             |                                |                     | B.A. (Economics)                               | Thammasat University (Thailand)                             | 1995 |
| 12  | Mr. Santi Chaisrisawatsuk   | xxxxxxxxxxxxx                  | Assistant Professor | Ph.D. (Economics)                              | Southern Illinois University (U.S.A.)                       | 1999 |
|     |                             |                                |                     | M.S. (Economics)                               | Indiana State University (U.S.A.)                           | 1993 |
|     |                             |                                |                     | Bachelor of Business Administration            | Thammasat University (Thailand)                             | 1991 |
| 13  | Miss Suchitra Chamnivickorn | xxxxxxxxxxxxx                  | Assistant Professor | Ph.D. (Economics)                              | University of Illinois at Chicago (U.S.A.)                  | 1988 |
|     |                             |                                |                     | M.A. (Economics)                               | University of Illinois at Chicago (U.S.A.)                  | 1983 |
|     |                             |                                |                     | B.A. (Economics)                               | University of Illinois at Chicago (U.S.A.)                  | 1982 |
| 14  | Mr. Anan Wattanakuljarus    | xxxxxxxxxxxxx                  | Assistant Professor | Ph.D. (Agricultural and Applied Economics)     | University of Wisconsin-Madison (U.S.A.)                    | 2006 |
|     |                             |                                |                     | M.Eng. (Industrial and Management Engineering) | Rensselaer Polytechnic Institute (U.S.A.)                   | 1999 |
|     |                             |                                |                     | M.B.A.   | Kasetsart University (Thailand)                             | 1997 |
|     |                             |                                |                     | B.Eng. (Mechanical Engineering)                | Chulalongkorn University (Thailand)                         | 1991 |
| 15  | Miss Apirada Chinprateep    | xxxxxxxxxxxxx                  | Assistant Professor | Ph.D. (Agricultural and Applied Economics)     | University of Minnesota (Twin Cities) (U.S.A.)              | 2004 |
|     |                             |                                |                     | M.A. (Economics)                               | Thammasat University (Thailand)                             | 1998 |
|     |                             |                                |                     | B.A. (Economics)                               | Thammasat University (Thailand)                             | 1995 |
| 16  | Miss Amornrat Apinunmahakul | xxxxxxxxxxxxx                  | Assistant Professor | Ph.D. (Economics)                              | University of Ottawa (Canada)                               | 2001 |
|     |                             |                                |                     | M.A. (Economics)                               | Thammasat University (Thailand)                             | 1992 |
|     |                             |                                |                     | B.A. (Public Administration)                   | Thammasat University (Thailand)                             | 1986 |
| 17  | Miss Niramol Ariyaarpakamol | xxxxxxxxxxxxx                  | Assistant Professor | Ph.D. (Economics)                              | University of Bristol (U.K.)                                | 2010 |
|     |                             |                                |                     | M.Sc. (Economics)                              | University of Bristol (U.K.)                                | 2005 |
|     |                             |                                |                     | B.Sc. (Economics)                              | University of Bristol (U.K.)                                | 2003 |
| 18  | Mrs. Thasanee Satimanon     | xxxxxxxxxxxxx                  | Assistant Professor | Ph.D. (Agricultural Economics)                 | Michigan State University (U.S.A.)                          | 2013 |
|     |                             |                                |                     | M.A. (Economics)                               | Thammasat University (Thailand)                             | 2002 |
|     |                             |                                |                     | B.A. (Economics)                               | Thammasat University (Thailand)                             | 1999 |
| 19  | Mr. Tongyai Iyavarakul      | xxxxxxxxxxxxx                  | Lecturer            | Ph.D. (Economics)                              | Duke University (U.S.A.)                                    | 2009 |
|     |                             |                                |                     | M.S. (Statistics)                              | The University of Chicago (U.S.A.)                          | 2004 |
|     |                             |                                |                     | M.Sc. (Economics)                              | The London School of Economics and Political Science (U.K.) | 2000 |
|     |                             |                                |                     | B.A. (Economics)                               | Thammasat University (Thailand)                             | 1999 |
| 20  | Mr. Saran Samtisant         | xxxxxxxxxxxxx                  | Lecturer            | Ph.D. (Economics)                              | Australian National University (Australia)                  | 2013 |
|     |                             |                                |                     | M.Sc. (Management Economics)                   | University of Essex (U.K.)                                  | 2006 |
|     |                             |                                |                     | B.Econ. (Monetary Economics)                   | Chulalongkorn University (Thailand)                         | 2005 |
| 21  | Mr. Athakrit Thepmongkol    | xxxxxxxxxxxxx                  | Lecturer            | Ph.D. (Economics)                              | National University of Singapore (Singapore)                | 2012 |
|     |                             |                                |                     | B.Econ. (Economic Theory)                      | Chulalongkorn University (Thailand)                         | 2007 |



### 9.2.3 Visiting professor

| Name Lists                  | Personal Identification Number | Position            | Degree /Field of study | Educational Institution             | Year |
|-----------------------------|--------------------------------|---------------------|------------------------|-------------------------------------|------|
| Mr. Vimut Vanitcharearnthum | xxxxxxxxxxxxx                  | Associate Professor | Ph.D. (Economics)      | University of Chicago (U.S.A.)      | 1996 |
|                             |                                |                     | M.A. (Economics)       | Thammasat University (Thailand)     | 1988 |
|                             |                                |                     | B.Econ. (Economics)    | Chulalongkorn University (Thailand) | 1984 |

#### Expected Learning Outcomes of Doctor of Philosophy Program in Economics (International Program) as the following:

- LO1: Use economic theory and research methodology to construct economic model and evaluate economic policy.
- LO2: Engage in lifelong learning and keep up with the economic research frontier.
- LO3: Excel in academic research and policy analysis.
- LO4: Maintain research ethics and social responsibility.
- LO5: Communicate effectively.

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| <b>Grading System</b> |
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#### Regulation and Grading Criteria

All courses in the program will be evaluated in accordance with the rules and regulations stipulated by the National Institute of Development Administration.

Evaluation of all the courses stated in the curriculum will be graded into various levels. The mean per credit will be shown using the following system:

|    |       |               |  |
|----|-------|---------------|--|
| A  | = 4.0 | equivalent to | Excellent  |
| A- | = 3.7 | equivalent to | Very good  |
| B+ | = 3.3 | equivalent to | Good   |
| B  | = 3.0 | equivalent to | Fairly good  |
| B- | = 2.7 | equivalent to | Almost good  |
| C+ | = 2.3 | equivalent to | Fair   |
| C  | = 2.0 | equivalent to | Almost Fair  |
| C- | = 1.7 | equivalent to | Poor   |
| D  | = 1.0 | equivalent to | Very poor  |
| F  | = 0   | equivalent to | Failure  |
| W  |       | equivalent to | Withdrawal   |
| I  |       | equivalent to | Incomplete   |
| S  |       | equivalent to | Satisfactory   |
| U  |       | equivalent to | Unsatisfactory   |
| AU |       | equivalent to | Audit  |
| P  |       | equivalent to | Pass   |
| IP |       | equivalent to | In Progress  |
| T  |       | equivalent to | Terminated   |
| TR |       | equivalent to | Transfer, work with which there is no comparable grade |

## Criteria for Graduation

### Criteria for Graduation

#### 1.1 Students Eligible for Graduation From the Program Must Have the Following Qualifications

- 1.1.1 Students complete credits and courses as prescribed in the curriculum.
- 1.1.2 A cumulative GPA of at least 3.00 throughout the course.
- 1.1.3 Pass the qualification examination within two years after the registration as a student for Plan 1 (1.1) Plan 2 (2.1) and Plan 2 (2.2). Students who studied in each plan will be entitled for the qualification examination up to two times. In a case where it is deemed necessary and appropriate, the President, with the advice of the Dean and Vice President for Academic Affairs may grant extension and number of times a student may take the Exams.
- 1.1.4 Pass the dissertation proposal.
- 1.1.5 Pass the dissertation final examination and must be an open system that interested parties may access.
- 1.1.6 For Plan 1 (1.1), the dissertation or part of the dissertation must be published, or at least in the process of getting acceptance to be published in a journal or an academic publication that is peer reviewed prior to publication and is recognized in that field of study. At least 2 topics of dissertation need to be published in journals or academic publications under acceptable standards of the National Institute of Development Administration.
- 1.1.7 For Plan 2 (2.1) and Plan 2 (2.2), the dissertation or part of the dissertation must be published, or at least in the process of getting acceptance to be published in a journal or an academic publication that is peer reviewed prior to publication and is recognized in that field of study. The dissertation must be published in journals or academic publications under acceptable standards of the National Institute of Development Administration.

\* Otherwise is accordance with the Directives of the National Institute of Development Administration on Education B.E. 2557 (2014), the revision of the Directives of the National Institute of Development Administration on Education, and the Ministry of Education Graduate Program Standard Criteria B.E. 2558 (2015).