

Double Degree Program in Economics

Hokkaido University
Graduate School of Economics and Business

and

National Taiwan University
Department of Economics

1	General requirements for DD program at each institution	2
2	Student from NTUECON to HU	3
2.1	Exchange period	3
2.2	Time schedule for applications	4
2.3	Evaluation criteria	4
2.4	Timing and other issues	5
2.5	Course plan for NTUECON students	5
2.6	Detailed course plan for NTUECON students	6
2.7	Evaluation Process for Thesis	8
3	Student from HU to NTUECON	9
3.1	Exchange period	9
3.2	Time schedule for applications	9
3.3	Evaluation criteria	9
3.4	Course plan for Hokkaido students	10
3.5	Detailed course plan for Hokkaido students	11
3.6	Evaluation Process for Thesis	13
	Appendix: Available elective courses	
1	Available elective courses at NTUECON	
2	Available elective courses at HU	

1 General requirements for DD program at each institution

	Department of Economics, National Taiwan University (NTUECON)	Graduate School of Economics and Business, Hokkaido University (HU)
Degree	Degree of Master of Arts in Economics	Degree of Master in the field of Economics/Business Administration (Conferred only in September or March)
Total Credits	32 Credits for degree Thesis:0 credit	46 Credits for Degree Thesis: 16 credits
Requirements for Degree:	<ul style="list-style-type: none"> • Core courses: 16 credits <ul style="list-style-type: none"> ○ ECON7009 Introduction to Quantitative Methods: 2 credits ○ ECON7011 Microeconomic Theory (I) : 4 credits ○ ECON7013 Macroeconomic Theory (I) : 4 credits ○ ECON7026 Econometric Theory (I): 4 credits ○ Seminars in 2 different semesters: 2 credits • Elective courses:16 credits At least 2 courses in 2 fields (4 field courses in total) Max 12 credits can be transferred from HU • Thesis work: 0 credit (after at least one year core course training, thesis is required but 0 credit) 	<p>Core courses: 4 credits ECO5122 Macroeconomics, ECO5112 Microeconomics or ECO5412 Econometrics (Theory) ECO5422 Econometrics (Computing)</p> <p>Seminars 1: 4 credits Seminars 2: 4 credits Thesis :16 credits</p> <p>Elective courses 18 credits Max 10 credits can be transferred from NTUECON 1 year registration as student at HU</p>

<p>Admission Criteria</p>	<ul style="list-style-type: none"> • Entrance admission in economics (equivalence to a Bachelor Degree in Economics) <p>2 ways of entrance admissions for local students:</p> <ul style="list-style-type: none"> ○ Application in October: <ul style="list-style-type: none"> (1) application materials: Applicants submit application materials to apply admission (2) Oral exam After going through Applicants' materials, 30%-50% applicants will enter the oral exam. About 50%-60% of applicants finally get the admission. <ul style="list-style-type: none"> (3) 25 of top applicants will get admission. ○ Paper writing exam in February: <ul style="list-style-type: none"> (1) 4 subjects in paper writing exam, which are Microeconomics (100%), Macroeconomics (100%), Statistics (100%), and English (50%) (2) 23 of top applicants will get admission. 	<ul style="list-style-type: none"> • Entrance admission in economics (equivalence to a Bachelor Degree in Economics)
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2 Student from NTUECON to HU

2.1 Exchange period

- 1 April – end of January, next year
 - Spring semester: 1 April – 1st or second week of August (lectures only until last week of July).

- Autumn semester: Last week of September or first week of October – Last week of January.

2.2 Time schedule for applications

- Students' application deadline: 3rd week of December
- NTUECON nominates students: 1st week of January
- Entrance acceptance at HU: 3rd week of January
- Students apply for a visa immediately after acceptance
- Application for International Office in School of Social Sciences: 1st week of February
- Registration at HU: April 1 (until end of March)

2.3 Evaluation criteria

- Application must include a specification of their field of interest and, if possible, a topic for their thesis.
- Selection of students is made by International Office in School of Social Sciences with collaboration from Program
 - Grades in the entrance exam
 - Grades of core (required) courses in the first semester in NTU
 - English skills: TOEFL-iBT80, IELTS6.0, TOEIC730
 - Other relevant qualities

2.4 Timing and other issues

- Going out: Students have time to finish first period of Autumn semester in Taiwan and arrive in time for 1 April.
- Coming home: Lectures in Japan end last week of January, exams are last week of January. Spring semester at NTUECON starts approximately end of February.
- Students need to make sure that they can start to work on their thesis immediately when they come back to Taiwan.
- It should be noted that there is no fixed exchange rate between the Taiwanese and Japanese credits.

2.5 Course plan for NTUECON' students

Year	Semester (Period)	University	Courses	NTU Credits	HU Credits
1	Semester 1 (Autumn)	NTUECON	ECON7009 Introduction to Quantitative Methods: 2 credits ECON7011 Microeconomic Theory (I) : 4 credits ECON7013 Macroeconomic Theory (I) : 4 credits ECON7026 Econometric Theory (I): 4 credits Seminar: 1 Credit	15 Credits	10 Credits
	Semester 2 (Spring)	HU	Electives: 12 credits (6 courses x 2 credits) HU Seminar I / II 8 Credits	12 Credits	20 Credits
2	Semester 3 (Autumn)				
	Semester 4 (Spring)	NTUECON	Thesis 0 credit (HU Thesis 16 credits) 4 elective credits in NTUECON. Seminar: 1 Credit	5 Credits	16 Credits
Total credits				32 Credits +Thesis	46 Credits

Note: Students could choose to finish their thesis in the 4th semester or in the 5th semester (in the 3rd year).

2.6 Detailed course plan for NTUECON' students

Students are not allowed to take courses that are too similar to courses that they have already taken at the home university. Since the exact contents of courses may differ between the years, the allowed combinations may also differ between the years. The individual study program is subject to the approval of program coordinators.

Semester	Courses at NTUECON	NTU Credits	Corresponding courses at HU	HU Credits
1 (Autumn)	ECON7009 Introduction to Quantitative Methods	2 Credits	ECO5572, ECO6572 Mathematical Economics A, B	10 Credits
	ECON7011 Microeconomic Theory (I)	4 Credits	ECO5112, ECO6112 Microeconomics Special Study of Microeconomics	
	ECON7013 Macroeconomic Theory (I)	4 Credits	ECO5122, ECO6122 Macroeconomics Special Study of Macroeconomics	
	ECON7026 Econometric Theory (I):	4 Credits	ECO5412, 5422 Econometrics (Theory, Computing)	
	Seminar	1 Credit		
2 (Spring)	Electives from HU	12 Credits	Electives: 12 credits (6 courses x 2credits) HU Seminar I / II 8 Credits	20 Credits
3 (Autumn)				
4 (Spring)	Thesis 0 Credit Seminar: 1 Credit Electives 4 Credits	5 Credits	Thesis	16 Credits
				46 Credits

2.7 Evaluation Process for Thesis

- Hokkaido University will appoint a supervisor for the NTUECON student's thesis work when they start to study in Japan.
- The student writes only one thesis, which is submitted to both universities.
- Thesis is graded separately by the two universities.

For NTUECON:

- Presentation from April to July (deadline will be on the end of July)

For HU:

- Submission by the end of July
 - Online presentation from Taiwan in the end of July/early in August
- Thesis will be submitted to both institutions by students

3 Student from HU to NTUECON

3.1 Exchange period

- Middle of August – June, next year
 - Autumn semester: Middle of September – Middle of January
 - Spring semester: Middle of February – End of June

3.2 Time schedule for applications

- Students apply for a double degree program when applying for the master's program at HU
- Selection at HU, end of April
- Students apply to NTUECON online, deadline May 15
- HU's nominations to NTUECON, May 15
- Students apply for a visa online

3.3 Evaluation criteria

- HU only nominates master students who's going to be enrolled in the Ph.D. program for the DD.
- Application must include a specification of their field of interest and, if possible, a topic for their thesis.
- Selection of students is made by HU with collaboration from Program
 - Grades in the entrance exam
 - Grades of core (required) courses in the first semester in NTU
 - English skills: TOEFL-iBT80, IELTS6.0, TOEIC730
 - Other relevant qualities

3.4 Course plan for HU's students

Year	Semester (Period)	University	Courses	HU Credits	NTU Credits
1	Semester 1 (Spring)	HU	ECO5122, ECO6122 Macroeconomics, Special Study of Macroeconomics (2 x 2 = 4credits) ECO5112, ECO6112 Microeconomics Special Study of Microeconomics (2 x 2 = 4credits) ECO5412, ECO5422 Econometrics Theory, Computing (2 x 2credits = 4credits) Seminar 1a	14 Credits	12 Credits
	Semester 2 (Autumn)	NTUECON	Seminar 1b (Distance) 2credits Introduction to quantitative Methods (Math Camp in August) Elective 16 credits NTU Seminar(2credits) Seminar 2a (Distance) 2credits	14 Credits	20 Credits
2	Semester 3 (Spring)				
	Semester 4 (Autumn)	HU	Seminar 2b Thesis 16 credits (TU Thesis 0 credit)	18 Credits	0 Credit
				46	32 + Thesis

3.5 Detailed course plan for HU's students

sem ester	Courses at HU	HU credits	Courses at NTUECON	NTU credits
1	ECO5112, ECO6112 Microeconomics Special Study of Microeconomics	4 Credits	ECON7011 Microeconomic Theory (I)	4 Credits
	ECO5122, ECO6122 Macroeconomics Special Study of Macroeconomics	4 Credits	ECON7013 Macroeconomic Theory (I)	4 Credits
	ECO5412, ECO5422 Econometrics Theory, Computing	4 Credits	ECON7026 Econometric Theory (I)	4 Credits
	Seminar 1a	2 Credits		
2-3	Seminar 1b (Distance)	2 Credits		2 Credits
			ECON7009 Introduction to Quantitative Methods (Math Camp in August)	
			NTU Seminar	2 Credits
	Electives from NTUECON	10 Credits	Elective 16 credits	16 Credits
	Seminar 2a(Distance)	2 Credits		
4	Seminar 2b	2 Credits		
	Thesis	16 Credits	Thesis	0 Credit
		46 Credits		32 Credits + Thesis

3.6 Evaluation Process for Thesis

- NTUECON program coordinator and the course director for the thesis course will appoint a supervisor for the Hokkaido student's thesis work.
- The student writes only one thesis, which is submitted to both universities.
- The examination will be done separately by the two universities.

For HU:

- Presentation in the middle of January

For NTUECON:

- Thesis is graded by the committee at NTUECON at the same time as the Taiwan students before the end of July. The HU's students do not need to present their thesis orally in Taiwan.
- Thesis will be submitted to both institutions by students.

1 Available elective courses at NTUECON

Elective courses 2 credits or 3 credits/course

Courses are updated every year.

Curriculum and field course list for graduate students will be announced in every early July on the NTUECON webpage :

Curriculum: <http://www.econ.ntu.edu.tw/en/program>

Field course list: http://www.econ.ntu.edu.tw/en/program/Graduate_Course_Field

Autumn

- ECON7079 International Finance (I) (3 credits)
- ECON7144 Applied Econometric Method (2 credits)
- ECON7152 Topics on Econometrics (2 credits)
- ECON7153 Empirical Game Theory Analysis (2 credits)
- ECON7177 Dynamic Public Finance (3 credits)
- ECON7199 Industry Structure and Trade Policy IV (2 credits)
- ECON7198 Industry Structure and Trade Policy (III) (2 credits)
- ECON7207 Applied Microeconomics(II) (2 credits)
- ECON7214 Topics On Financial Markets (3 credits)
- ECON5018 Environmental Economics (II) (3 credits)
- ECON5020 Economic Growth Theory (I) (3 credits)
- ECON5050 Financial Market and Derivatives (3 credits)
- ECON5058 Introduction to Law Economics (2 credits)
- ECON5091 Fundamental English Writing for Economics (3 credits)
- ECON5100 Mathematics for Economists (3 credits)
- ECON5111 I-Sian Lecture - Issues of Development in Taiwan (2 credits)
- ECON5112 Experimental Economics I: Behavioral Game Theory (3 credits)
- ECON5148 The Practice of Financial Sector and Industry(I) (2 credits)
- ECON5154 Data Science and Social Inquiry (2 credits)
- ECON5158 Advanced Corporate Finance (2 credits)
- ECON5159 Taiwan Economic History (3 credits)
- ECON5160 Industrial Organization and Industrial Policy (3 credits)
- ECON5132 Linear Algebra(I) (4 credits)
- ECON5129 Introduction to Mathematical Analysis(I) (5 credits)
- ECON5088 Advanced Statistical Inference (I) (3 credits)

Spring

- ECON7057 Topics in Microeconomics (I) (2 credits)
- ECON7073 Regional Economics (II) (2 credits)
- ECON7211 Monetary Theory and Policy(III) (3 credits)
- ECON7206 Topics in Monetary Economics (3 credits)
- ECON7132 Economic Development (2 credits)

ECON7201 Empirical Methods in Industrial Organization (2 credits)
 ECON7203 Applied Microeconomics (I) (2 credits)
 ECON7208 Demography and Economic Growth: A Quantitative Analysis (3 credits)
 ECON7213 Topics in Industrial Organization (2 credits)
 ECON5039 Environmental Economics (I) (2 credits)
 ECON5029 Financial Economics (2 credits)
 ECON5054 Topics in Econometrics (2 credits)
 ECON5077 Topics in Neuroeconomics (2 credits)
 ECON5078 Fair Allocation Mechanisms (2 credits)
 ECON5092 Academic English Writing for Economics (3 credits)
 ECON5144 Financial Management (3 credits)
 ECON5107 Industrial Organization and Firm Strategy (3 credits)
 ECON5134 I-Sian Lecture - Issues of Development in Taiwan (II) (2 credits)
 ECON5112 Experimental Economics I: Behavioral Game Theory (3 credits)
 ECON5119 Dynamic Optimization and Dynamic Games (3 credits)
 ECON5136 Industrial Economics (3 credits)
 ECON5137 Economic Organizations (2 credits)
 ECON5139 Applied Financial Econometrics (2 credits)
 ECON5145 Advanced Public Finance (3 credits)
 ECON5146 Philosophy of Economics (3 credits)
 ECON5149 The Practice of Financial Sector and Industry(II) (2 credits)
 ECON5150 The Economics of Networks (2 credits)
 ECON5152 Topics on Money and Finance (2 credits)
 ECON5153 International Political Economy (2 credits)
 ECON5156 Managerial Economics (3 credits)
 ECON5157 Capstone Project for Data Science and Social Inquiry (3 credits)

2 Available elective courses at HU

All elective courses are 2 credits.

Courses are updated every year.

Spring

ECO5142 Special Study of Urban Economics A
 ECO5322 Special Study of Global Economic History A
 ECO5432 Special Study of Statistical Analysis of Time Series A
 ECO5512 Special Study of Public Economics A
 ECO5622 Special Study of Development Economics A
 ECO5552 Special Study of Industrial Economics A
 ECO5562 Special Study of Environmental Economics A
 ECO5572 Special Study of Mathematical Economics A
 ECO5612 Special Study of International Economics A
 ECO5632 International Finance A
 ECO6112 Special Study of Microeconomics

ECO6122 Special Study of Macroeconomics
ECO6132 Special Study of Game Theory B
ECO6432 Special Study of Statistical Analysis of Time Series B
ECO6512 Special Study of Public Economics B
ECO6572 Special Study of Mathematical Economics B
ECO6632 International Finance B

Autumn

ECO5132 Special Study of Game Theory A
ECO5222 Special Study of History of Economic Ideas A
ECO5232 Special Study of Economic Ideas A
ECO5522 Special Study of Public Finance A
ECO5531 Special Study of Financial Economics A
ECO5541 Special Study of Labor Economics A
ECO5641 Special Study of International Political Economy A
ECO5792 Special Study of Research Methods in Economics A
ECO6412 Special Study of Econometrics
ECO6422 Special Study of Applied Econometrics
ECO6442 Special Study of Mathematical Statistics
ECO6541 Special Study of Labor Economics B
ECO6622 Special Study of Development Economics B
ECO6142 Special Study of Urban Economics B
ECO6552 Special Study of Industrial Economics B