

Applied Economics

应用经济学

(020200)

1. Overview of the Program

The Department of Applied Economics was founded in 1993 as the international trade sub discipline under the Master of Business Administration. In 2004, it obtained the right to grant Master of International Trade. In 2007, it obtained the right to grant Master of Applied Economics. In 2010, it obtained the right to grant Doctor of Applied Economics. After more than ten years of development, especially under the support of the Ministry of Education's "985 Phase II Project" philosophy and social science innovation base, the discipline has entered a stage of rapid development, and the level of scientific research and teaching has improved significantly. In the evaluation of applied economics among 68 colleges and universities published by the Center for Academic Degrees and Postgraduate Education of the Ministry of Education on February 16, 2009, our university ranked 25th in the country, 8th in Beijing, 7th in national science and engineering institutions, and 4th in Beijing's science and engineering institutions. In 2015 the doctorate authorization point of applied economics passed the special qualification assessment of the Ministry of Education. The main research directions of this discipline are:

1. Industrial economic theory and policy: With the rapid economic growth and economic restructuring in China, industrial safety and its corresponding food, ecological and environmental security, strategic emerging industry development and security are under high strategic demand of the country in the new situation. The discipline focuses on the research of relevant theories, strategies, and policies related to the needs of these countries, and provides theoretical and political support for the country to formulate major industrial strategies and policies.

2. International trade and multinational operations: Adhering to the national policy of opening to the outside world, promoting the development of the country's international trade, and accelerating the "going out" of domestic enterprises are important requirements for the sustainable development of the national economy and national economic security in the future. This research area uses the combination of theoretical research and empirical research, qualitative analysis and quantitative analysis to study the theory and policies of international trade and multinational operations, it provides

theoretical basis and policy suggestions to deepen our participation in economic globalization, increase the breadth and depth of opening to the outside world, As well as to implement the “One Belt and One Road” initiative.

3. Financial markets and financial innovation: The direction of international financial risk management under applied economics will be based on finance, management science and engineering, probability theory and mathematical statistics and encourage interdisciplinary cooperation with other colleges, integrate research strengths, and develop science and technology.

4. National defense economy and security warning: The direction of national defense economy is mainly based on the study of national economy mobilization, and the research strength is strong. Academic leaders and key teachers have long been engaged in the work of national economic mobilization and safety early warning. They have achieved fruitful results. Among them, they are in the leading position in the field of national economic mobilization.

5. Quantitative economic theory and application: Research on economic quantitative relationships and their changing characters. The study of economic quantitative relations through economic mathematical models is a feature of quantitative economics.

2. Training Target

The target is to train high-level innovative talents who have a good knowledge of international common sense, with the ability of spreading Chinese and foreign cultures occupied, so that to bring international graduate students into full play as a cultural bridge. Students should master the solid foundational theories and systems expertise of applied economics disciplines, with the ability to engage in scientific research independently.

3. Length of Schooling

The basic length of schooling for master students is 2 years. In principle, students should complete the courses in the first academic year. Thesis work time should not be less than one year. The maximum length of study for master students is extended by 0.5 years on the basis of 2 years. The basic length of schooling for Ph.D. students is 4 years. In principle, students should complete the courses in the first academic year. Thesis work time should not be less than three years. The maximum length of study for Ph.D. students is extended by 2 years on the basis of 4 years.

4. Curriculum and Credits Requirements

Course Classification	Course Code	Course Name	Course Hours	Credits	Semester	Requirements	Master /Ph.D.	Credits Requirement	
Public Course	3700001	Chinese Language 汉语	96	3+3	1+2	Compulsory	Master /Ph.D.		
	3700002	Outline of China 中国概况	32	2	1/2	Compulsory	Master /Ph.D.		
Major Basic Courses	2101008	Intermediate Econometrics 中级计量经济学	32	2	1/2	Optional	Master	Master≥2 Ph.D.≥2	
	2101010	Advanced Econometrics 高级计量经济学	32	2	1/2	Optional	Ph.D.		
Optional Course	Major Core Courses	2101009	Macroeconomics 宏观经济学	32	2	1/2	Compulsory	Master /Ph.D.	Master≥2 Ph.D.≥2
		2101001	Intermediate Microeconomics 中级微观经济学	32	2	1/2	Compulsory	Master	
		2101002	Advanced Microeconomics 高级宏观经济学	32	2	1/2	Compulsory	Ph.D.	
	Major Optional course	2101012	International Trade 国际贸易理论与政策	32	2	1/2	Optional	Master	Master≥6 Ph.D.≥2
		2101013	Development Economics 发展经济学（管理）	32	2	1/2	Optional	Master	
		2101014	Intercultural Management 跨文化管理	32	2	1/2	Optional	Master	
		2101015	Laws and Regulations of the World Trade Organization 世界贸易组织	32	2	1/2	Optional	Master	

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		法律法规						
	2101016	International Finance 国际金融学	32	2	1/2	Optional	Master	
	2101017	Selective Readings in Energy Economics and Climate Policy 能源与气候经济文献选读	32	2	1/2	Optional	Master	
	2101004	Efficiency and productivity analysis of energy and environment 能源环境效率与生产率分析	32	2	1/2	Optional	Master	
	2101005	Industry green management and optimization 行业绿色管理及优化	32	2	1/2	Optional	Master	
	2101018	Classic Literature on International Trade 国际贸易经典文献	32	2	1/2	Optional	Ph.D.	
Total Credits		Master≥18 credits			Ph.D.≥12 credits			

Notes:

1. Public Course

(1)Chinese Language: Set by International Students Center of BIT. All international students must take this compulsory course.

(2)Outline of China: Set by International Students Center of BIT. All international students must take this compulsory course.

2. Major Basic Courses

Different Programs can set their own Major Basic Course.

3. Optional Course

(1) Major Core Courses

Different Programs can set their own Major Core Course.

(2) Major Optional course

Master international students must take two optional courses of their own Program. Under the guidance of the supervisor, Master international students can take undergraduate courses if needed.

Ph.D. international students can take undergraduate courses if needed.

5. Practice Part

1. Academic Activity (1 credit)

International Graduate Students need to participate in academic activities, academic lectures and academic conferences of their own fields. Giving oral speeches on academic conferences, whether on or off campus, are highly recommended.

2. Innovative Practice (1 credit)

International Graduate Students should take scientific research training and social practices during their training period, which should be carried-out and evaluated by supervisors.

6. The Dissertation Related Work

1. Literature Review & Opening Report

Under the guidance of the supervisor, International Graduate Students should pick a research direction as well as reading certain amount reference books, both Chinese or foreign languages, at the same time.

Master students should write a literature review, no less than 4000 words, based on the reading of over 30 papers, both Chinese or foreign languages, of their own research field.

Ph.D. students should write a literature review, no less than 5000 words, based on the reading of over 50 papers, both Chinese or foreign languages, of their own research field.

On the basis of the Literature Review, the Opening Report should mainly introduce following factors: research target, research meaning, methods of research, technical route, implementary plan, arrangements and expected results.

2. Mid-Term Evaluation

Schools organize Mid-Term Evaluation for International Students, which includes the evaluations of course study, literature review, opening report and the research progress of publishing papers and

writing of Degree thesis.

3. Thesis Writing and Thesis Pre-Defense (for Ph.D. students)

International Graduate Students should complete a Degree thesis under the guidance of supervisors.

Ph.D. students can take the Thesis Pre-Defense after finishing a supervisor-approved first draft.

4. Thesis Defense

After thesis approved and the Sub-Committee of Degree Assessment authorized, International Graduate Students can take the Thesis-Defense.

5. Degree Conferment

International students should acquire certain academic results as regulated when applying for a Master or Ph.D. Degree. Each program should clarify the categories of Master Degree and Ph.D. Degree.

Time Nodes of Relevant Procedure

The Dissertation Related Work	Master	Ph.D.
Literature Review & Opening Report	Before week 1 of the 3 rd semester	Before week 1 of the 5 th semester
Mid-Term Evaluation	week 1-2 of the 4 th semester	Before week 1 of the 7 th semester
Thesis Pre-Defense	—	Before Blind review
Thesis Defense	At least 9 months after the Opening Report	At least 18 months after the Opening Report
Degree Application	The application should be raised in a certain time after the Thesis Defense	

7. Course Syllabus

Course Code, Course Name, Class Hour, Credits, Course Description and Course Target, Teaching Method, Evaluation and Exams, Suitable Specialty, Prerequisites, Course Contents, Reference.