

Education Plan for Doctor in Industrial Economics

(Discipline Code:020205,Award Doctor Degree of Economics)

I Objectives

The Specialty is aimed at cultivating the advanced specialized personnel in all around development of moral, intellectual and physical owing innovative spirit and being able to doing research on industrial economics and practical working. Specific requirements are as follows:

1、 Mastering the basic theory of Marxism ,establishing a scientific view of world and life, adhering to the [the Communist Party](#)'s basic line, loving the motherland; Observing the rules and law, conducting yourself well; being honest and advocating a rigorous academic atmosphere, observing the moral criterion and having professional, cooperative and innovative spirit.

2、 Mastering the wide and solid theory foundation, systematic and deep knowledge of applied economics, being familiar with development course and trend of forefront; Being competent at high-level, scientific research, consulting services and economic management working in field of Industrial Economics, being capable of making innovative achievement in this subject or specialized field.

3、 Mastering two foreign languages and be skilled at reading the foreign language material of this major; Being skilled at using one foreign language to write academic essay and being capable of good listening and speaking ability and international academic communication.

4、 Possessing the good physical and mental health.

II Disciplinary Research Areas

The establishment of this subject's research orientation shows the discipline connotation of second-class discipline in Industrial Economics and owns the expanding space for first-class discipline, meanwhile, it highlights the prominent industrial background, high-tech means and econometrics feature and advantage of university of technology.

1、 The theory and policy of industrial economic

The research is focused on the forefront theory and policy issues of high-tech industrial economic, industrial organization, industrial convergence and industrial agglomeration; In the view of the integration of technology and economy and globalization, it focused on the research of scientific innovation, industrial distribution, the transition of MNC's R&D activity and Intra Industry Trade, etc.

2、 International industrial transfer and service trade

Combined with the forming process and dynamic distribution of Global Value Chain. Conducting the research of basic theory and major strategic issues. Converging the theory of industrial organization, international competition and related discipline, conducting the research of international industrial growth and theory of international competitiveness in the crossed development of the industrial economics theory, new trade theory, FDI and OFDI theory.

3、 The research is focused on the support for industry of financial problem, such as the relationship between industrial investment, capital raising , industrial development with financial development and its related problems, such as financial innovation, financial deepening, financial industrial organization, financial industrial agglomeration, fictitious economy, etc.

4、Information economic and industrial internet

The research is about the economical distribution of resource, the mode of innovation economical development and industrial organization, the modern information technology and approach of internet, cloud computing and big data improving the economical development efficiency; Conducting the research of internet finance, industrial internet and the industrial innovative convergence of internet industry and other theory and approach.

III Educational System and Years of Study

Length of schooling to doctor in starting point of Master is 3 years. Period of schooling is generally 3 to 4 years (special cases can be extended to 6 years). Graduation total credit that not less than 18 credits, of which course credit not less than 14 total credit points, degree course credits are no less than 11 points, compulsory activities is not less than 4 credits.

Length of schooling to doctor in starting point of undergraduate is 5 years. Period of schooling is generally 5 to 6 years (Special cases can be extended to 7 years). Graduation total credit that not less than 44 credits, of which course credit not less than 40 total credit points, degree course credits are no less than 30 points(including master degree course of this subject), compulsory activities is not less than 4 credits.

IV Curriculum System and Credit Requirements

Course Category	Course No.	Course Name	Hour	Credit	Semester	School	Remark
Degree Courses	003281001	First Foreign Language(Chinese)	108	6	12	School of International Education	Compulsory
	003281002	Introduction to China	54	3	1	School of International Education	
	01611103	Advanced Macroeconomics and Microeconomics	54	3	1	School of Economics	
	01611102	Current issues in industrial economics	36	2	2	School of Economics	
Special Optional Courses	01612101	The Economics of High-Tech Industry	36	2	2	School of Economics	Optional
	01612102	The Economics of Innovation	36	2	2	School of Economics	

Course Category	Course No.	Course Name	Hour	Credit	Semester	School	Remark
	01612103	Investment theory	36	2	2	School of Economics	
	01612104	Special Topics on Transnational Corporation	36	2	2	School of Economics	
	01612105	Financial Theory	36	2	2	School of Economics	
	01612106	Human Capital Theory	36	2	2	School of Economics	
	01612107	Game Theory and Information Economics	36	2	2	School of Economics	
	01612108	Artificial Neural Network and Its Applications	36	2	2	School of Economics	
	01612109	Theory of Economic Development	36	2	2	School of Economics	
	01612110	Competition Strategy	36	2	2	School of Economics	
	01612111	Advanced Econometrical software	18	1	2	School of Economics	
	01612112	Economic research methodology	18	1	2	School of Economics	
	01612113	Advanced Topics in Industrial Finance	36	2	2	School of Economics	
	02112101	An Anthology of Marxist Classics	18	1	2	Marxism Institute	
Compulsory Courses	01614001	Field Practice		2	3-4	School of Economics	
	01614002	Topic Report		1	3-4	School of Economics	

Course Category	Course No.	Course Name	Hour	Credit	Semester	School	Remark
	01614003	Academic Activities		1	3-5	School of Economics	

V Compulsory Courses

1. Field Practice is two credits, including the professional practice and social practice. Professional practice can be carried out by participating in the project, and Social practice can take the form of teaching assistant, assistant management, etc. Submitting a report of the national or provincial social science foundation and the natural science foundation of China, eligible receive two credits through the teacher team checking, replying and reviewing.

2. Academic activities are 1 credits. Doctoral students should report no less than 5 of the public to participate in academic activities not less than 10 times, each time to participate in academic activities have to write more than 500 words of experience. After passing the review of qualified teachers, college graduate work office for the record. Completion receive one credits in Compulsory Activities.

3. Topic selection report and mid-term examination are one credits. After admission doctoral student should be under the guidance of a clear scientific research direction, access to domestic and foreign related literature, a wide range of research and research, and put forward the thesis topic selection report, identify Research topics after the audit. After the report of the selected title, record one Compulsory Activities credits.

Doctoral students must attend the mid-term examination of the school. Topic selection report is an important part of the mid-term assessment. The report of the "literature review" in topic selection report should be completed about 10000 words and the foreign literature is not less than 1/3. The specific requirements of the s topic selection report and the mid-term examination is implemented, referring to management measures for the mid-term examination and selection of the graduate student handbook.

VI Scientific Research and Dissertation

The ability of scientific research would be formed through the whole process of the graduate school. After the determination of dissertation topic, working paper summarized and stage work reports in every phase are required.

Prior to application for dissertation, a doctoral candidate must have three published (accepted) articles related to the dissertation academic papers at least. Among them, there are at least one class a journal paper or two class B journal papers, one academic papers published in English at least, and at least one academic paper could be found in the magazine, the other two can be delayed to the time when applying for degree. More in the graduate student handbook, "PhD students to apply for degree of academic papers published regulation (revised) in July 2014.

Ph.D.. Thesis must pass the dissertation detection system (TMLC2) academic misconduct, achieve school academic degree evaluation committee to the relevant requirement of the dissertation may apply for reply.

VII Cultivation Mode and Method

The tutor or predominantly mentor take responsible to the doctoral students, and the guidance of the steering group training methods should be flexible, more adopt heuristic, discussion way of teaching, and give full play to the guiding teacher's leading role.

VIII Others

1. To examine the effects of instruction, ensure the quality, the items listed in the program must have an assessment. Assessment methods and performance assessment methods need to be clearly stated in the course syllabus.

2. Ph.D.. candidates who were enrolled ahead of schedule shall be trained as students starting from graduates under the program.

3. Before thesis proposal, Ph.D.. candidates are required to pass all the degree courses and get the credits before thesis proposal. Students are allowed to take some of the other elective courses according to the dissertation after thesis proposal. All the courses shall be completed before the application of dissertation defense.

4. Each discipline shall make specific regulations and requirements in the amount of literature to be read for the students during the study period. Science and Engineering candidates should review more than 80 pieces of literature at home and abroad (100 for candidates of other disciplines), in which foreign literature shall be no less than one third.

5. Ph.D.. candidates shall report their own learning and research work to the supervisor at least once a month at the course learning stage, and at least twice a month during the paper sessions, which shall be institutionalized and clearly clarified in the programs.

6. This program will enact from 2016.