

Business School

International Master's Training Program in Management Science and Engineering

First-level discipline name (Code): Management Science and Engineering (120100)
Secondary subject name (Code):

I. Introduction to the Discipline

Management science and engineering is a discipline that comprehensively uses system science, management science, economic science methods, and combines information technology to study and solve management problems in social, economic, engineering and other fields. This discipline focuses on financial management and sustainable development, cross-border trade and supply chain management, Innovation, entrepreneurship and enterprise strategic management. Relying on the special support of the central finance, this discipline has built the "Comprehensive Experimental and Training Center for Senior Management Talents in Modern Service Industry", the "Management Information Laboratory", the "Logistics Planning and Supply Chain Management Laboratory", the "Special Laboratory for Postgraduates", as well as the "Suzhou Key Laboratory of Big Data and Information Services", the "Engineering Management Simulation Laboratory", the "Traffic Management Simulation Laboratory" and so on. Thus, an innovative platform for scientific research and talent cultivation with clear directions, broad prospects and a certain influence has been formed.

The Business School currently has 73 full-time teachers, and 73% of them are doctoral teachers from renowned domestic and foreign universities such as Renmin University of China, Nanjing University, Shanghai University of Finance and Economics, Shanghai Jiao Tong University and other famous universities. More than 30% of the full-time teachers in the school have overseas study and further education backgrounds. Many teachers have been selected as the cultivation objects of the "333" High-level Talent Project in Jiangsu Province, the core teachers of the "Qinglan Project" in Jiangsu Province, the outstanding top-notch professionals in Suzhou City, and several professors are members of the think tank of local governments, enjoying certain influence in the industry. The Business School offers six undergraduate majors in Business Administration, Tourism Management, Logistics Management, Human Resource Management, Financial Engineering, Financial Management, and one Sino-foreign cooperative education program in Logistics Management. The Business School has four master's degree programs in Master of Management Science and Engineering, Master of Finance, Master of Business Administration (MBA), and Master of Tourism Management (MTA), and eight "postgraduate workstation in Jiangsu Province". The Business School has established long-term cooperative relations with more than ten

internationally well-known universities, such as the University of South Wales in the UK, Flinders University in Australia and the University of California, Riverside.

II. Training Objective

The International Master of Management Science and Engineering is a professional degree associated with the professional qualifications in the field of management science. It aims to cultivate application-oriented, complex, high-level and high-quality professionals and management talents for various countries. The specific requirements are as follows:

1). Training Objectives for Basic Knowledge: To systematically master the basic theoretical and professional knowledge of this discipline, including understanding and recognizing the basic situation of China, learning and mastering basic knowledge of Chinese, basic theoretical knowledge of this major, as well as theoretical knowledge of other related disciplines.

2). Training Objectives for Basic Qualities: Possess a high level of scientific literacy and a good academic style; have a historical sense of mission and social responsibility to dedicate to science and technology and serve society; demonstrate a scientific spirit of seeking truth from facts; establish legal concept, protect intellectual property rights, and respect the research achievements of others.

3). Training Objectives for Basic Abilities: have the ability to acquire knowledge, including good information inquiry ability, academic communication ability and self-study ability; be able to judge the research methods, research processes, and the scientific nature and value of research results in the field of management science; possess good scientific research capabilities, be able to objectively analyze problems using scientific methods, have the ability to conduct scientific and rigorous reasoning using basic theories and data; participate in scientific research projects and conduct practical investigations under the guidance of supervisors, master the basic requirements and general steps of scientific research, be able to independently raise research questions, write research reports, and possess a good spirit of collaboration and certain organizational abilities.

III. Research Directions

01 Financial Management and Sustainable Development

This research direction mainly focuses on conducting scientific summaries of financial management work under the guidance of economic principles and economic management theories, combined with relevant issues regarding organizational productivity and the handling of production relations. On this basis, centering around the core connotation of sustainable development, it reconsiders the management of companies, organizations, institutions and regions, and guides the global and local economies towards a sustainable future.

02 Cross-border Trade and Supply Chain Management

This research direction closely tracks the international frontier trends in the field,

improve the operational performance of cross-border trade and supply chains. With the basic theories and technical methods of logistics and supply chain management, e-commerce and international trade as its core, it comprehensively applies theoretical and technical methods such as data models, logistics system planning and analysis, and economics to study and solve the problems in cross-border trade and supply chain management, so as to improve the service performance of cross-border trade and supply chain management.

03 Innovation, Entrepreneurship and Enterprise Strategic Management

This research direction combines the current international and domestic frontier development trends. Based on the general management theories of entrepreneurship, industrial economics, regional economics, and other related fields, it focuses on studying how to achieve successful innovation and entrepreneurship. From a global perspective, it studies the strategic management theories and methods in the context of enterprise environments and policies, and develops and implements strategic plans to achieve goals.

IV. Study Duration

1). The standard duration of study for postgraduate students is three years. The maximum length of study on campus from enrollment to graduation is four years.

2). Outstanding postgraduate students who complete their training programs in advance may apply for an early defense, but the time in advance should not exceed one year. The proposal of the graduation (degree) thesis for the application of an early defense shall also be advanced accordingly. An application should be submitted two weeks before the proposal of the degree thesis. After obtaining the consent of the supervisor, being reviewed by the affiliated school and approved by the Postgraduate School, relevant procedures shall be handled for implementation.

3). For students who fail to complete the training plan within the specified duration of study, with the approval of the school, they can appropriately extend their study time by 1 to 3 years within the specified study period. Students applying for an extension should submit an application two weeks before the end of the last semester of the normal study duration (or within the extended study period). After obtaining the consent of the supervisor, being reviewed by the affiliated school and approved by the Postgraduate School, relevant procedures shall be handled for implementation, and relevant fees shall be paid according to the standards of the current year. The period of suspension of schooling shall be included in the length of study on campus.

V. Training Methods

The training is implemented under the responsibility system of supervisors. Team-based training methods are encouraged, and joint training among universities, as well as cooperation among universities, research institutions and enterprises are carried out, with efforts made to seek international cooperation in training. The "1.0 + 0.5+1.5"

training mode is adopted. Teaching should be tailored to students' aptitudes, and course teaching should be implemented in different categories to give full play to the personal talents and specialties of graduate students.

VI. Credit Requirements

The course study for postgraduate students adopts the credit system. The basic requirements for postgraduate students are as follows: The total credits should be no less than 32 credits and no more than 36 credits. At the same time, students are required to meet the credit requirements for public courses, discipline-based basic courses, professional basic courses and elective courses. Before the mid-term assessment, students must complete no less than 20 credits. Before applying for the defense of the dissertation, students must complete all the contents specified in the personal training plan and meet the requirements of the professional training program.

VII. Curriculum Setup and Requirements

(1) Curriculum Setup

Course Setup Sheet

| Category | Course Code | Course Name | Class Hours | Credits | Semester of Course Offering | | | | Assessment Method | Remarks | |
|--------------------|--------------------------------|-----------------------------|---|---------|-----------------------------|---|---|---|-------------------|---------|-----------|
| | | | | | 1 | 2 | 3 | 4 | | | |
| | | | | | | | | | | | |
| Degree courses | Public Courses | 1001 | Basic Chinese Language (I) | 64 | 4 | √ | | | | exam | 8 credits |
| | | 1002 | Basic Chinese Language (II) | 32 | 2 | | √ | | | exam | |
| | | 1003 | Overview of China | 32 | 2 | √ | | | | exam | |
| | Discipline-based Basic Courses | 2001 | Advanced Economics | 32 | 2 | | √ | | | exam | 4 credits |
| | | 2002 | Advanced Management | 32 | 2 | √ | | | | exam | |
| | Professional Basic Courses | 2003 | International Marketing Management | 32 | 2 | | | √ | | exam | 8 credits |
| | | 2004 | Financial Management | 32 | 2 | | √ | | | exam | |
| | | 2005 | Supply Chain Management | 32 | 2 | √ | | | | exam | |
| 2006 | | Advanced Applied Statistics | 32 | 2 | | | √ | | exam | | |
| Non-degree courses | Major Selective Course | 3001 | Entrepreneurial Ability | 32 | 2 | √ | | | | exam | |
| | | 3002 | Research Methods and Dissertation Writing | 32 | 2 | | √ | | | exam | |
| | | 3003 | Business Data Mining | 32 | 2 | | √ | | | exam | |
| | | 3004 | Frontiers of Management Science | 32 | 2 | | | √ | | exam | |
| | | 3005 | Investment Studies | 32 | 2 | | | √ | | exam | |
| | | 3006 | Responsibility and Sustainable Management | 32 | 2 | | | √ | | exam | |

| | | | | | | | | | |
|------|--|----|---|--|--|---|---|------------|-------------------------|
| 3007 | Customer Relationship Management | 32 | 2 | | | √ | | exam | no less than 16 credits |
| 3008 | Business Case Analysis | 32 | 2 | | | √ | | exam | |
| 3009 | Humanistic Economics | 32 | 2 | | | | √ | exam | |
| 3010 | Management Psychology | 32 | 2 | | | | √ | exam | |
| 3011 | Global Vision and International Management | 32 | 2 | | | | √ | exam | |
| 3012 | Leadership Science and Leadership | 32 | 2 | | | | √ | exam | |
| 3013 | Forward-Looking Industry Analysis (Practical Workshop) | 32 | 2 | | | | √ | Evaluative | |

(2) Course Requirements

For degree courses, students must achieve a score of 70 or above, and for non-degree courses, a score of 60 or above is required.

(3) Teaching Arrangements

Except for the compulsory parts, the course study should be completed within one year in principle.

VIII. Academic Achievement Requirements

Before the defense of the dissertation, postgraduate students are encouraged to publish one academic paper in an English professional journal within major research field as the first-author (an original acceptance notice is also acceptable). They should submit the original paper or the acceptance notice and the original supporting materials to the business school. At the same time, the academic achievement requirements must comply with the "Regulations of Suzhou University of Science and Technology on the Requirements for Postgraduate Students to Publish Academic Papers".

IX. Requirements for Degree Thesis

Dissertation is an important part of postgraduate training, including thesis topic selection, research proposal, writing, mid - term inspection, pre-defense, thesis review, and defense. Each link in the thesis work must be carried out in accordance with the relevant regulations of documents such as the "Regulations on the Management of Thesis Topic Selection and Research Proposal for Postgraduate Degree Theses of Suzhou University of Science and Technology", "Regulations on the Mid - term Inspection of Master's Degree Theses of Suzhou University of Science and Technology", "Regulations on the Pre - defense of Master's Degree Theses of Suzhou University of Science and Technology", and "Detailed Rules for the Conferring of Master's Degrees of Suzhou University of Science and Technology".

The degree thesis must be carried out under the guidance of the supervisor. The topic of the degree thesis should be selected in close connection with the frontier issues of the discipline in the research field, and it should have certain practical application value and academic theoretical significance. It should be independently completed by

the postgraduate student. The degree thesis must meet the specified workload and comply with the relevant topic- election requirements. The time spent on the thesis research work should be no less than one year. The writing of the thesis must comply with the "Basic Format and Related Requirements for Master's Theses of Suzhou University of Science and Technology".

The defense of the master's degree thesis is conducted in accordance with the "Interim Measures for the Implementation of the Regulations of the People's Republic of China on Academic Degrees" and the "Rules for the Conferring of Master's Degrees of Suzhou University of Science and Technology".

Appendix:

(1) "1.0+0.5+1.5" Training Mode

The "1.0+0.5+1.5" training mode is adopted. Postgraduate students shall complete the learning of degree courses and part of non-degree courses in the first academic year (Semesters 1 and 2) (1.0 year). In the first semester of the second academic year (0.5 year), they will continue to complete the learning of non-degree courses. Meanwhile, they will carry out the compulsory part of "scientific research training", and complete tasks such as thesis topic selection, opening report, and literature review. Starting from the second semester of the second academic year (1.5 years), they will enter the stage of postgraduate thesis work. Students will enter relevant enterprises to conduct research work closely related to engineering practice and complete their degree theses. The time spent on this should be no less than one year. (Those who complete all the specified tasks such as the degree thesis in advance and have excellent grades can, upon their own application and in line with the regulations, go through relevant procedures and hold the defense in advance. However, the time advanced generally should not exceed half a year.)

(2) Classified Implementation of Course Teaching

For degree courses, the teaching of degree public courses and degree basic courses should mainly focus on systematic lectures. The teaching of degree orientation courses should be carried out by combining key lectures with special topic seminars, with an emphasis on the depth of theories and methods, as well as the current situation of research and development. It should fully integrate with professional research and technological fields to give play to the personal abilities and strengths of postgraduate students. For non-degree courses, special topic discussions and exchanges should be the main teaching methods. Bilingual teaching, academic reports, methodology exploration, theoretical analysis and case teaching should be utilized to conduct interactive teaching in various forms, so as to expand students' relevant professional knowledge, help them understand the frontiers of development, master scientific research methods and acquire the special basic knowledge needed for students to conduct research.