管理学创新实验班本科培养计划

Experimental Program for Management Science

一、培养目标

Ⅰ. Program Objective

管理学（管理科学与工程）创新实验班培养具有扎实的基础理论功底、掌握国际先进的管理研究方法、经过严格系统的管理科学训练的学生，使他们具有在管理科学研究及决策中敏锐的观察力、独立的思想和严谨科学的分析能力，具备全球化背景下的国际视野和根植于中华文明的人文素养，具有在变革环境下处理复杂问题的综合能力及专业的职业操守，为未来中国培养最优秀的管理人才。

This program (Management Science and Engineering) provides students with a sound foundation in the principles of management and the in-depth analytical skills in economics, mathematics and computing, independent and innovative capabilities in solving challenging business problems, referring to the training programs of international top business schools. Graduates are expected to become the most competitive professionals in the business world or the top candidates in academic area to pursue further degrees.

二、基本规格要求

Ⅱ. Learning Outcomes

实验班毕业生应获得以下几方面的知识和能力：

1. 修完国际一流大学管理学基本课程，掌握扎实的管理学基础理论；
2. 具有坚实的经济学与数理基础和较强的数学分析能力；
3. 能熟练阅读英文文献资料并具有较强的口语交流能力；
4. 能运用计算机进行模型分析与模拟；
5. 掌握中外文文献检索的基本方法，具有较强的管理研究和实际工作能力。

Experimental class of school of Management

Graduates of this program are required to achieve the following:

1. The basic courses as required by the international top business schools;
2. The basic courses on applied mathematics, economics, and econometrics;
3. Excellent ability in English language including reading, writing and communication;
4. Skills of using computer to facilitate modeling and simulation;
5. Skills of literature retrieval, information sourcing and capabilities in research and business practices.

三、培养特色

Ⅲ. Program Highlights

秉承国际化的办学理念，课程设置和人才培养基本与国际接轨；强化学生数理基础训练、坚实的管理学与经济学理论基础训练、管理现象观察、实践与研究训练（强化实践环节，科研能力训练）、外语和计算能力训练（原版教材，双语或全英语授课，部分海外教师等），创新能力和综合素质训练等；保持外语、数学、计算机教学四年不断线。

In line with the training programs of international top business schools, the program provides special emphasis on training in mathematics, economics and computing skills in order to establish

sound foundations in theory and practices to solve complex and emerging problems in the business world. Comprehensive English training program is catered to students in China based on their background.

四、主干学科

Ⅳ. Main Disciplines

管理学 Management、数学 Mathematics、经济学 Economics

五、学制与学位

Ⅴ. Program Length and Degree

学制：四年制

Duration: 4 years

授予学位：管理学学士

Degrees Conferred: Bachelor of Management

六、学时与学分

Ⅵ. Credits Hours and Units

完成学业最低课内学分（含课程体系与集中性实践教学环节）要求：155.5 学分

Minimum Credits of Curricular (Comprising course system and intensified internship practical training) 要求：155.5 credits

其中，专业基础课程、专业核心课程学分不允许用其他课程学分进行学分冲抵和替代。

Major-related basic courses and core courses cannot be covered using credits from other courses in the program.

完成学业最低课外学分要求：5 学分。

Minimum Extracurricular Credits：5 credits.

1. 课程体系学时与学分

course credits hours and units

课程类别		课程性质	学时/学分	占课程体系学分比例（%）
通识教育基础课程		必修	968/60.5	43.06
		选修	160/10	7.12
学科基础课程	学科大类基础课程	必修	552/34.5	24.55
	学科专业基础课程	必修	208/13	9.25
专业课程	专业核心课程	必修	200/12.5	8.90
	专业方向课程	选修	160/10	7.12
合计			2248/140.5	100

Course Type		Required/ Elective	Hrs/Crs	Percentage (%)
General Education Core Curriculum		Required	968/60.5	43.06
		Elective	160/10	7.12
Discipline-related Courses	General	Required	552/34.5	24.55
	Basic Courses in Discipline	Required	208/13	9.25
Major-specific Courses	Core	Required	200/12.5	8.90
	Electives	Elective	160/10	7.12
Total			2248/140.5	100

2. 集中性实践教学环节周数与学分

Practicum Credits

实践教学环节名称	课程性质	周数/学分	占实践教学环节学分比例（%）
军事训练	必修	2/1	6.7
公益劳动	必修	1/0.5	3.3
金工实习	必修	2/1	6.7
基于项目的专业实习	必修	4/2	13.3
管理类综合性实验（ERP）	必修	2/1	6.7
课程（实验）设计	必修	2/1	6.7
科研训练	必修	1/0.5	3.3
毕业设计（论文）	必修	16/8	53.3
合计		30/15	100

Course Title	Required/ Elective	Weeks/Credits	Percentage (%)
Military Training	Required	2/1	6.7
Laboring for Public Benefit	Required	1/0.5	3.3
Mechanical Engineering Training	Required	2/1	6.7
Professional Social Practice	Required	4/2	13.3
Management Integrated Experiment	Required	2/1	6.7
Courses Design	Required	2/1	6.7
Scientific Research Training	Required	1/0.5	3.3
Undergraduate Thesis	Required	16/8	53.3
Total		30/15	100

3. 课外学分

Extracurricular Credits

序号	课外活动名称	课外活动和社会实践的要求		课外学分
1	演讲或论文	至少参加一次公众演讲或完成一篇规范的论文		1
	竞赛	参加并完成一项科技、文化或体育竞赛		1
	领导者经历	至少有一年领导者经历		1
2	社会实践活动	提交社会调查报告，通过答辩者		1
		个人被校团委或团省委评为社会实践活动积极分子者，集体被校团委或团省委评为优秀社会实践队者		2
3	英语及计算机考试	全国大学英语六级考试	获六级证书者	2
		托福、GRE 考试	达到相应水平（需认定）	2
		全国计算机等级考试	获二级以上证书者	2
		全国计算机软件资格、水平考试	获程序员证书者	2
			获高级程序员证书者	3
			获系统分析员证书者	4
4	竞赛	校级	获一等奖者	3
			获二等奖者	2
			获三等奖者	1
		省级	获一等奖者	4
			获二等奖者	3
			获三等奖者	2
		全国	获一等奖者	6
			获二等奖者	4
			获三等奖者	3
5	论文	在全国性刊物发表论文	每篇论文	2~3
6	科研	视参与科研项目时间与科研能力	每项	1~3
7	实验	视创新情况	每项	1~3

注：在校运动会上参加某项目获得第一名、第二名，等同于校级竞赛一等奖；获得 3－5 名，等同于校级竞赛二等奖；获得 6－8 名，等同于校级竞赛三等奖。

No.	Extracurricular Activities and Social Practice	Requirements		Extracurricular Credits
1	Public Speaking or Article	Attend and finish ONE speech contest or submit a article		1
	Competition	Attend and finish ONE competition		1
	Leader Experience	as a leader at list ONE year		1
2	Activities of Social Practice	Submit report and pass oral defense		1
		Entitled as Activist by the Communist Youth League of HUST or Hubei Province; Membership of the group which is entitled as Excellent Social Practice Group by the Communist Youth League of HUST or Hubei Province		2
3	Examinations in English and Computer	CET-6	Students whose Band-6 exam scores accord our requirements	2
		TOEFL, GRE	Students whose exam scores accord requirements	2
		National Computer Rank Examination	Win certificate of Band-2 or higher	2
		National Computer Software Qualification	Win certificate of programmer	2
			Win certificate of Advanced Programmer	3
			Win certificate of System Analyst	4
4	Competitions	University Level	Win first prize	3
			Win second prize	2
			Win third prize	1
		Provincial Level	Win first prize	4
			Win second prize	3
			Win third prize	2
		National Level	Win first prize	6
			Win second prize	4
			Win third prize	3
5	Thesis	Those whose thesis appears in national publications	Per piece	2~3
6	Scientific Research	Depending on both the time spent in and ability demonstrated in scientific research project	Each item	1~3
7	Experiments	Depending on innovative extent	Each item	1~3

Note: In HUST Sports Meeting, the first and the second prize, the third to the fifth prize, and the sixth prize to the eighth prize are deemed respectively the first prize, the second prize and the third prize of university level.

七、主要课程

Ⅶ. Main Courses

线性代数 Linear Algebra、概率论与数理统计（三）Probability and Mathematic Statistics（Ⅲ）、运筹学 I、II Operations Research I、II、微观经济学 Micro-economics、宏观经济学 Macro-economics、计量经济学 Econometrics、生产运作管理 Production and Operations Management、质量管理 Quality Management、创新管理 Innovation Management、服务管理 Service Management、物流管理 Logistics Management、供应链管理 Supply Chain Management、商务与管理仿真 Simulation in Business and Management、信息策略管理 Information Strategy and Management、组织行为与管理 Organizational Behavior and Management 电子物流 E- Logisitcs，商业智能和数据挖掘 Business Intelligence and

Data Mining、博弈论 Game Theory、管理信息系统 Management Information System、C++面向对象程序设计与实践 Advanced Programming Language (C)、Java 语言程序设计 Introduction to Java Programming.

八、主要实践教学环节（含专业实验）

Ⅷ. Practicum Module（Experiments Included）

社会调查 Social Investigation、课程大型作业 Course Project、专业实习和毕业实习 Professional Practice and Undergraduate Practice

九、教学进程计划表

Ⅸ. Course Schedule

院（系）：管理学院　　专业：管理学实验班

School(Department): School of Management　　Specialty: Experimental Class for Management Science

课程类别 course type	课程性质 required/ elective	课程代码 course code	课程名称 course name	学时 hrs	学分 crs	其中 Including			设置学期 semester
						课外 extra-cur.	实验 exp.	上机 operation	
通识教育基础课程 General Education Core Curriculum	必修 required	0301902	思想道德修养与法律基础 Morals & Ethics & Fundamentals of Law	40	2.5	8			1
	必修 required	0100721	中国近现代史纲要 Survey of Modern Chinese History	32	2	8			2
	必修 required	0100733	马克思主义基本原理 Basic Theory of Marxism	40	2.5	8			3
	必修 required	0100931	思政课社会实践 Social Practice of Ideological and Political Theories Course	32	2	28			2
	必修 required	0100322	毛泽东思想和中国特色社会主义理论体系概论 General Introduction to Mao Zedong Thought and Socialist Theory with Chinese Characteristics	56	3.5				4
	必修 required	0100741	形势与政策 Situation and Policy	32	2	14			1—6
	必修 required	0510071	中国语文 Chinese	32	2	10			2
	必修 required	0508453	综合英语（一） Comprehensive English （Ⅰ）	56	3.5				1
	必修 required	0508463	综合英语（二） Comprehensive English （Ⅱ）	56	3.5				2
	必修 required	0700011	微积分（一）上 Calculus（Ⅰ）	88	5.5				1
	必修 required	0700012	微积分（一）下 Calculus（Ⅰ）	88	5.5				2
	必修 required	0833175	数据库技术及应用 Database Techniques and Their Applications	48	3		8		3
	必修 required	0400111	大学体育（一） Physical Education(Ⅰ)	32	1				1

续表

课程类别 course type	课程性质 required/ elective	课程代码 course code	课程名称 course name	学时 hrs	学分 crs	其中 Including			设置学期 semester
						课外 extra-cur.	实验 exp.	上机 operation	
通识教育基础课程 General Education Core Curriculum	必修 required	0400121	大学体育（二） Physical Education(Ⅱ)	32	1				2
	必修 required	0400131	大学体育（三） Physical Education(Ⅲ)	32	1				3
	必修 required	0400141	大学体育（四） Physical Education(Ⅳ)	32	1				4
	必修 required	1100011	军事理论 Military Theory	16	1				1
	必修 required	0700051	线性代数(一) Linear Algebra	40	2.5				2
	必修 required	0700063	概率论与数理统计（三） Probability and Mathematics（Ⅲ）	40	2.5				3
	必修 required	0827783	计算机与程序设计基础（C++） Fundamentals of Computer Programming (C++)	88	5.5		16		1
	必修 required	0809123	Java 语言程序设计 Introduction to Java Programming	32	2				4
	必修 required	0811161	计算机网络技术及应用 Computer Network Techniques and Their Applications	48	3		16		2
	必修 required	0804101	数学建模 Mathematical Modeling	40	2.5				4
	必修 required		人文社科类选修课程 Electives in Humanities and Social Science	160	10				
学科大类基础课程 Discipline-related General Courses	必修 required	1204671	组织行为与管理 Organizational Behavior and Management	48	3				1
	必修 required	1200022	会计学 Accounting	48	3				3
	必修 required	0200026	宏观经济学 Macro-Economics	40	2.5				3
	必修 required	0200033	微观经济学 Micro-Economics	40	2.5				3
	必修 required	0702413	运筹学（一） Operations Research（Ⅰ）	40	2.5				3
	必修 required	1200042	管理信息系统 Management Information Systems	40	2.5				5
	必修 required	0202071	计量经济学（上） Econometrics（I）	48	3				3
	必修 required	0202081	计量经济学（下） Econometrics（Ⅱ）	48	3				6
	必修 required	0812073	博弈论 Game Theory	48	3				6
	必修 required	1204461	信息策略管理 Information Strategy and Management	40	2.5				5

续表

课程类别 course type	课程性质 required/ elective	课程代码 course code	课程名称 course name	学时 hrs	学分 crs	其中 Including			设置学期 semester
						课外 extra-cur.	实验 exp.	上机 operation	
	必修 required	1202251	物流管理 Logistics Management	40	2.5				5
	必修 required	1204471	商务沟通与谈判 Business Communication and Negotiation	32	2				6
	必修 required	1204481	商务与管理仿真 Simulation in Business and Management	40	2.5				4
学科专业基础课程 Basic Subdisciplinary Courses	必修 required	0702422	运筹学（二） Operations Research（Ⅱ）	40	2.5				4
	必修 required	1204491	生产运作管理 Simulation in Business and Management	40	2.5				4
	必修 required	1200051	财务管理 Financial Management	48	3				4
	必修 required	1200091	市场营销学 Marketing	40	2.5				5
	必修 required	1204501	战略管理 Strategic Management	40	2.5				6
专业核心课程 Major-specific Core Courses	必修 required	1200132	质量管理 Quality Management	32	2				6
	必修 required	1200371	供应链管理 Supply Chain Management	32	2				5
	必修 required	1204521	电子物流 E- Logisitcs	32	2				6
	必修 required	1204531	创新管理 Innovation Management	32	2				6
	必修 required	1204541	商业智能与数据挖掘 Business Intelligence and Data Mining	40	2.5				5
	必修 required	1202001	服务管理 Service Management	32	2				7
专业方向课程 Major-specific Electives	选 修 Elective	0200432	金融工程学 Financial Engineering	40	2.5				6
	选 修 Elective	0200232	货币银行学 Money and Banking	40	2.5				5
	选 修 Elective	0200391	证券投资学 Portfolio Investment	40	2.5				6
	选 修 Elective	1200171	预测与决策 Forecast and Decision	40	2.5				5
实践环节	必修 required	1300013	军事训练 Military Training	2w	1				1
	必修 required	1300024	公益劳动 Labouring for Public Benefit	1w	0.5				5
	必修 required	1302331	金工实习 Industrial Practice	2w	1				3

续表

课程类别 course type	课程性质 required/ elective	课程代码 course code	课程名称 course name	学时 hrs	学分 crs	其中 Including			设置学期 semester
						课外 extra-cur.	实验 exp.	上机 operation	
Practical Training Items	必修 required	1300486	专业社会实践 Professional Social Practice	1w	0.5				5
	必修 required	1300904	专业实验 Professional Experiments	2w	1				7
	必修 required	1327694	生产实习 Engineering Internship	4w	2				6
	必修 required	1327702	管理类综合实验（ERP） Management Integrated Experiment	2w	1				5
	必修 required	130006b	毕业设计（论文） Undergraduate Thesis	16w	8				8