



江苏大学

Jiangsu University

江 苏 大 学

来华留学硕士学历项目课程目录

The Curricula for Master Degree Programs

Taught in English

江苏大学海外教育学院

Overseas Education College, Jiangsu University

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一级学科目录 Catalogue for the first-level disciplines

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1. 机械工程 Mechanical Engineering

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for all Students 公共必修	Chinese 汉语	4	1,2	Overseas Education College 海外教育 学院	Compulsory 必修
		Overview of China 中国文化概论	3	1	Overseas Education College 海外教育 学院	
	Fundamental Theories 基础理论	Numerical analysis 数值分析	2	1	Faculty of Science 理学院	Choose at least two 至少选 2 门
		Mathematical statistics 数理统计	2	1	School of Finance 财经学院	
	Professional Foundation or Specialized Courses 专业基础	Advanced manufacturing technology 先进制造技术	2	2	School of mechanical Engineering 机械学院	Choose at least two 至少选 2 门
		Modern control theory 现代控制理论	2	2		
		Mechanical finite element theory and application 机械有限元理论及应用	2	2		
		Design and manufacture of memes 微机电系统设计与制造	2	2		
		Introduction to materials science 材料科学导论	2	1	School of automotive and traffic engineering 汽车学院	
		Vehicle System Dynamics	2	2		
		Vibration Analysis	2	2		
		Modern Control Theory	2	2		
	Specialized Elective Courses 专业选修课	Laser processing technology 激光加工技术	2	2	School of mechanical Engineering 机械学院	Choose at least two 至少选 2 门
		Rapid prototyping technology and its application 快速成形技术及其应用	2	2		
Material reinforcement and quality evaluation 材料强化与质量评定		2	2			
Digital design and manufacture		2	2			

		数字化设计与制造				
		The mechanical structure finite element analysis 机械结构有限元分析	2	2		
		Vehicle Automatic Transmission Theory	2	2	School of automotive and traffic engineering 汽车学院	
Elective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	School of mechanical engineering 机械工程学院	Selective 任选
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1,2		
Supplementary courses 补修课程						Entrance at least two completing the interdisciplinary or similar professional qualification 跨学科或同等学历入学至少补修 2 门

2.材料科学与工程 Material Science & Engineering

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All 公共必修	Chinese 汉语	4	1,2	Overseas Education College 海外教育学院	Compulsory 必修
		Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Numerical Analysis 数值分析	3	1	Faculty of Science 理学院	Choose at least two 至少选 2 门
		Numerical Statistics 数理统计	2	1	Faculty of Science 理学院	
		Advanced Materials Inorganic Chemistry 高等材料无机化学	3	2	School of MSE 材料学院	
	Professional Foundation or Specialized Courses 专业基础或 专业课	Materials Chemistry 材料化学	3	1	School of MSE 材料学院	Choose at least two 至少选 2 门
		Structure and characteristic of materials 材料结构与表征	3	2	School of MSE 材料学院	
		Polymer Chemistry and Physics 高分子物理与化学	3	2	School of MSE 材料学院	
		Science of Composite Materials 复合材料学	3	2	School of MSE 材料学院	
	Specialized Elective Courses 专业选修课	Energy materials 能源材料	3	2	School of MSE 材料学院	Choose at least two 至少选 2 门
Functional materials 功能材料		3	2	School of MSE 材料学院		
Nano-materials 纳米材料		3	2	School of MSE 材料学院		
Synthesis chemistry of organic materials 无机材料的化学合成		3	2	School of MSE 材料学院		

		Advanced polymer materials 新型高分子材料	3	2	School of MSE 材料学院	
		Bionanomaterial 生物纳米材料	3	2	School of MSE 材料学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	School of MSE 材料学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2	School of MSE 材料学院	
Supplementary courses 补修课程		Physical Properties of Materials 材料物理	3	2	School of MSE 材料学院	At least two for Trans-disciplinary students 跨学科或同等学历入学至少补修 2 门
		Fundamentals of Inorganic Materials Science 无机功能材料基础	3	2	School of MSE 材料学院	
		Principles of Metallography 冶金物理学	3	2	School of MSE 材料学院	
		Principles of Material Molding 材料成型原理	3	2	School of MSE 材料学院	
		Polymer Chemistry 高分子化学	3	2	School of MSE 材料学院	

3.动力工程及工程热物理 Power Engineering & Engineering Thermophysics

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Numerical Analysis 数值分析	2	1	Faculty of Science 理学院	Choose any two 必修 2 门
		Mathematic Statistics 数理统计	2	1	School of Finance 财经学院	
		Matrix 矩阵论	2	1	Faculty of Science 理学院	
		Viscous Fluid Mechanics 粘性流体力学	2	2	School of energy and power engineering 能动学院	Compulsory 必修
		Advanced Heat Transfer 高等传热学	2	1	School of energy and power engineering 能动学院	
	Professional Foundation or Specialized Courses 专业基础	Heat Transfer Enhancement and Its Application 强化传热与应用基础	2	2	School of energy and power engineering 能动学院	
		Advanced Science of Combustion 高等燃烧学	2	2	School of energy and power engineering 能动学院	
	Specialized Elective Courses 专业选修课	Renewable Energy 可再生能源	2	2	School of energy and power engineering 能动学院	Choose at least two 至少选 2 门
The Progress in New Technology of the field of power engineering 动力工程技术最新进展		2	2	School of energy and power engineering 能动学院		
Advanced Internal Combustion Engine Fundamentals 高等内燃机学		2	2	School of automotive and traffic engineering 汽车学院		

		Theory and Technique of Emissions Control of IC Engine 发动机排放控制理论及技术	2	2	School of automotive and traffic engineering 汽车学院	
		Hydrodynamics of Pumps 泵流体力学	2	2	Research Center of Fluids Machinery and Engineering 流体中心	
		Advanced Fluid Engineering Theory and Measuring Technology 现代流体工程理论及测试技术	2	2	Research Center of Fluids Machinery and Engineering 流体中心	
		Computational Fluid Dynamics: the Basic with Engineering Applications 计算流体力学基础及工程应用	2	2	School of energy and power engineering 能动学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	学科所在学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2		
Supplementary Courses 补修课程		Fluid Mechanics 流体力学	2	1	School of energy and power engineering 能动学院	Two for Trans-disciplinary students 跨专业补修 2 门
		Heat Transfer 传热学	2	1	School of energy and power engineering 能动学院	
		Engineering Thermodynamics 工程热力学	2	1	School of energy and power engineering 能动学院	

4.控制科学与工程 Control Science & Engineering

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注	
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修	
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院		
	Fundamental Theories 基础理论	Numerical Analysis 数值分析	2	1	Faculty of Science 理学院		
		Matrix 矩阵论	2	1	Faculty of Science 理学院		
		Linear System Theory 线性系统理论	3	1	School of Electrical and Information Engineering 电气信息工程学 院		
		Nonlinear functional analysis 泛函分析	3	1	Faculty of Science 理学院		
	Professional Foundation or Specialized Courses 专业基础	Digital control technology in motor 电机数字控制技术	3	2	School of Electrical and Information Engineering 电气信息工程学 院		Choose at least two 至少选 2 门
		Digital image processing 数字图像处理	3	2	School of Electrical and Information Engineering 电气信息工程学 院		
		计算机控制及其应用 Computer control and application	3	2	School of Electrical and Information Engineering 电气 信息工程学院		
		Mathematic Model 数学模型	2	1	Faculty of Science 理学院		
Specialized Elective Courses 专业选修课	System modeling, simulation and optimization 系统建模仿真与优化	2	2	School of Electrical and Information Engineering 电气信息工程学 院	Choose at least two 至少选 2 门		

		Electric drive and control 电机驱动与控制	2	2	School of Electrical and Information Engineering 电气信息工程学院	
		Topics on control engineering 控制工程概论	2	2	School of Electrical and Information Engineering 电气信息工程学院	
		Complex Network Control and Modeling 复杂网络控制与建模	2	2	Faculty of Science 理学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	School of Electrical and Information Engineering 电气信息工程学院	
Scientific Frontiers&Symposiums 学术前沿及学术交流			1	1, 2		
Supplementary Courses 补修课程		Principle of automatic control 自动控制原理	2	2	School of Electrical and Information Engineering 电气信息工程学院	Two for Trans-disciplinary students 跨专业补修2门
		Power system and its automation 电力系统自动化	2	2	School of Electrical and Information Engineering 电气信息工程学院	

5. 交通运输工程 Traffic Engineering

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All 公共必修	Chinese 汉语	4	1,2	Overseas Education College 海外教育学院	Compulsory 必修
		Overview of China 中国文化概论	3	1		
	Fundamental Theories 基础理论	Mathematic Statistics 数理统计	2	1	School of Finance 财经学院	Choose any two 必修 2 门
		Matrix 矩阵论	2	1	Faculty of Science 理学院	
		Numerical Analysis 数值分析	2	1		
	Professional Foundation or Specialized Courses 专业基础或专业课	Traffic and transportation engineering 交通运输系统	3	1	The School of Automotive and Traffic Engineering 汽车与交通工程学院	Choose at least two 至少选 2 门
		Road vehicle system dynamics 道路车辆系统动力学	3	2	The School of Automotive and Traffic Engineering 汽车与交通工程学院	
		Traffic flow theory 交通流理论	3	1	The School of Automotive and Traffic Engineering 汽车与交通工程学院	
		Traffic control theory 交通控制理论	3	2	The School of Automotive and Traffic Engineering 汽车与交通工程学院	
	Specialized Elective Courses 专业选修课	Simulation in traffic system 交通系统仿真技术	2	2	The School of Automotive and Traffic Engineering 汽车与交通工程学院	Choose at least two 至少选 2 门
The urban traffic signal control system 城市交通信号控制系统		2	1	The School of Automotive and Traffic Engineering 汽车与交通工程学院		
Automotive technologies of energy-saving 车辆节能技术		2	2	The School of Automotive and Traffic Engineering 汽车与交通工程学院		
The third party logistics 第三方物流		2	2	The School of Automotive and Traffic Engineering 汽车与交通工程学院		

		ITS 智能交通系统	2	2	The School of Automotive and Traffic Engineering 汽车与交通工程学院	
		Traffic safety engineering 交通安全工程	2	2	The School of Automotive and Traffic Engineering 汽车与交通工程学院	
		Acquisition and processing technology of signal 信号采集与处 理技术	2	2	The School of Automotive and Traffic Engineering 汽车与交通工程学院	
		Road traffic and environment 道路车辆安全技术	2	2	The School of Automotive and Traffic Engineering 汽车与交通工程学院	
		Technology of Vehicle Tire 汽车轮胎学	2	2	The School of Automotive and Traffic Engineering 汽车与交通工程学院	
		Vehicle breakdown emergency call technology 车辆故障紧急呼救技 术	2	2	The School of Automotive and Traffic Engineering 汽车与交通工程学院	
Selective for All 公共选修 课	Research and Information Literacy I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素 养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	The School of Automotive and Traffic Engineering 汽车与交通工程学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2	The School of Automotive and Traffic Engineering 汽车与交通工程学院	

6. 农业工程 Agricultural Engineering

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Numerical Analysis 数值分析	2	1	Faculty of Science 理学院	Choose any two 必修 2 门
		Mathematic Statistics 数理统计	2	1	School of Finance 财经学院	
		Matrix 矩阵论	2	1	Faculty of Science 理学院	
	Professional Foundation or Specialized Courses 专业基础	Water and Nutrition Metabolism in Plants 植物水分与营养代谢	2	2	School of Agricultural Equipment Engineering 农装学院	Choose any two 必修 2 门
		Design of Experiment and Statistical Analysis 实验设计与分析	2	2	School of Agricultural Equipment Engineering 农装学院	
		Agricultural Machinery 农业机械学	2	2	School of Agricultural Equipment Engineering 农装学院	
		Computer Control Theory and Application 计算机控制理论及应用	2	2	School of Electrical and Information Engineering 电气学院	
	Specialized Elective Courses 专业选修课	Introduction of modern instruments and experimental techniques 现代仪器与实验技术	2	2	School of Agricultural Equipment Engineering 农装学院	Compulsory 必修
System Engineering 系统工程		2	2	School of Agricultural Equipment Engineering 农装学院	Choose at least three 至少选 3 门	
Mechanical Control Engineering 机械控制工程		2	2	School of Agricultural Equipment Engineering 农装学院		
Experiment and Analysis of Harvesting Machinery 收获机械试验与分析		2	2	School of Agricultural Equipment Engineering 农装学院		

		Theory and Technology of Planting Machine 种植机械理论与技术	2	2	School of Agricultural Equipment Engineering 农装学院	
		Soil and Water Management Systems 水土管理系统	2	2	School of Agricultural Equipment Engineering 农装学院	
		Introduction of Water and Soil Resources 水土资源概论	2	2	School of Agricultural Equipment Engineering 农装学院	
		Modeling, Optimization and Simulation of Control System 控制系统建模、优化与仿真	2	2	School of Electrical and Information Engineering 电气学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	2	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作		1		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	School of Agricultural Equipment Engineering 农装学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2		
Supplementary Courses 补修课程		机器视觉及其应用	2	2	School of Agricultural Equipment Engineering 农装学院	Two for Trans-disciplinary students 跨专业补修 2 门
		传感网与物联网技术	2	2	School of Electrical and Information Engineering 电气学院	

7.环境科学与工程 Environmental Science and Engineering

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Mathematic Statistics 数理统计	2	1	School of Finance 财经学院	Choose at least two 至少选 2 门
		Numerical analysis 数值分析	2	1	Faculty of Science 理学院	
		Matrix theory 矩阵论	2	1	Faculty of Science 理学院	
		Experiment in modern instrumental analysis 现代仪器分析实验	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	Compulsory 必修
		Seminar 学术报告	2	1,2	School of the Environment and Safety Engineering 环境与安全工程学院	
	Professional Foundation or Specialized Courses 专业基础	Modern Environmental biology 现代环境生物学	2	1	School of the Environment and Safety Engineering 环境与安全工程学院	Choose at least two 至少选 2 门
		Advanced environmental analytical chemistry 现代环境分析化学	2	1	School of the Environment and Safety Engineering 环境与安全工程学院	
		Progress in water pollution control 水污染控制进展	2	1	School of the Environment and Safety Engineering 环境与安全工程学院	
		Environmental molecular biology 环境分子生物学	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	
		Environmental microbiology 环境微生物学	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	
		Environmental ecology 环境生态学	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	

Specialized Elective Courses 专业选修课		Advanced Environmental Chemistry 高等环境化学	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	Choose at least two 至少 2 门
		Environmental remediation technology 环境修复技术	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	
		Global environment challenges 全球环境挑战	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	
		Environmental ethics 环境伦理学	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	
		Advanced oxidation engineering 先进氧化技术	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	
		Environmental toxicology 环境毒理学	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	
		Advanced Enzymology 高级酶学	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	
		Development and utilization of energy plants 能源植物开发与利用	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	
		Biotechnology in environmental science 环境微生物学与工程	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专业申请	1	2		

8.食品科学与工程 Food Science & Engineering

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree courses 学位课	Public Compulsory 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修 2 门
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundament al Theories 基础理论	Numerical Analysis 数值分析	2	1	Faculty of Science 理学院	Choose any four(at least) 必修 4 门 (其中基 础理论课 至少 1 门)
		Mathematic Statistics 数理统计	2	1	School of Finance 财经学院	
		Matrix 矩阵论	2	1	School of Science 理学院	
	Professional Foundation or Specialized Courses 专业基础	Food Microbiology 食品微生物学	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	
		Advanced Food Chemis try 高级食品化学	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	
		Novel Instrumental Analysis 现代仪器分析	4	1,2	School of Food and Biological Engineering 食品与生物工程学院	
	Specialized Elective Courses 专业选修课	Physical Properties of Foods 食品物性学	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	
Food Biotechnology 食品生物技术		2	1,2	School of Food and Biological Engineering 食品与生物工程学院		
The State of the Art in Food Science and Technology Research 食品科学技术研究新 进展		2	1,2	School of Food and Biological Engineering 食品与生物工程学院		
Nondestructive Detection Techniques for Food Quality 食品无损检测技术		2	1,2	School of Food and Biological Engineering 食品与生物工程学院		
Introduction to Food Science 食品科学导论		2	1,2	School of Food and Biological Engineering 食品与生物工程学院		

	The Experimental Design and Data Processing 试验设计及数据处理	2	1,2	School of Food and Biological Engineering 食品与生物工程学院
	Bioseparation and Extraction Technique 食品生物分离和提取技术	2	1,2	School of Food and Biological Engineering 食品与生物工程学院
	Food Physical Chemistry 食品物理化学	2	1,2	School of Food and Biological Engineering 食品与生物工程学院
	Food Processing Technologies and Equipments 食品加工技术和设备	2	1,2	School of Food and Biological Engineering 食品与生物工程学院
	Conspectus of Functional Foods 功能食品概论	2	1,2	School of Food and Biological Engineering 食品与生物工程学院
	Advanced Food Nutrition 高级食品营养学	2	1,2	School of Food and Biological Engineering 食品与生物工程学院
	Digital Image Processing 数字图像处理	2	1,2	School of Food and Biological Engineering 食品与生物工程学院
	Spectral Analysis of Food 光谱分析	2	1,2	School of Food and Biological Engineering 食品与生物工程学院
	Food Fermentation Technology 食品发酵技术	2	1,2	School of Food and Biological Engineering 食品与生物工程学院
	Food Physical Processing 食品物理加工学	2	1,2	School of Food and Biological Engineering 食品与生物工程学院
	Food Sensory Science 食品感官学	2	1,2	School of Food and Biological Engineering 食品与生物工程学院
	Food Safety Analysis 食品安全分析	2	1,2	School of Food and Biological Engineering 食品与生物工程学院

Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paperwriting 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	School of Food and Biological Engineering 食品与生物工程学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1月6日		

9.管理科学与工程 Management Science & Engineering

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Public Compulsory 公共必修	Overview of China 中国文化概论	3	2	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1,2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Mathematical Statistic 数理统计	2	1	School of Finance & Economics 财经学院	
		Operations Research 运筹学	2	1	School of Management 管理学院	
	Professional Foundation or Specialized Courses 专业基础	Econometric Model 经济计量模型	2	1	School of Management & School of Finance & Economics 管理学院 财经学院	Choose any two 必修 2 门
		Game Theory (I) (I)博弈论(I)	2	1	School of Management 管理学院	
System Engineering 系统工程		2	1	School of Management 管理学院		
Specialized Elective Courses 专业选修	Advanced Management 高级管理学	2	1	School of Management 管理学院	Choose at least two 至少选 2 门	
	Operation Management 运营管理	2	1	School of Management 管理学院		
	Managerial Economics 管理经济学	2	2	School of Management 管理学院		
	Management Research Method 管理研究方法	2	2	School of Management 管理学院		
	Management Information System 管理信息系统	2	2	School of Management 管理学院		
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing	1	2		

		论文写作				
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
	Practical Procedure 实践环节	Special Practice 专业实践	2	2	School of Management 管理学院	
	Scientific Frontiers & Symposiums 学术前沿及学术交流		1	1, 2		
Supplementary Courses 补休课程	Internet Economy and Management 经济与管理		2	2	School of Management 管理学院	Two for Trans-disciplinary students 跨专业补修 2 门
	Customer Relationship Management in Big Data Age 大数据时代的客户关系管理		2	2	School of Management 管理学院	
	Human Resource Management 人力资源管理		2	1	School of Management 管理学院	
	E-commerce 电子商务		2	1	School of Management 管理学院	
	Management Communication 管理沟通		2	1	School of Management 管理学院	
	Competitive Strategies and techniques 竞争战略和技巧		2	1	School of Management 管理学院	
	Scientific Writing in English 英语科技写作		2	2	School of Management 管理学院	
	Services Marketing 服务营销学		2	1	School of Management 管理学院	
	Consumer Behavior 消费者行为学		2	2	School of Management 管理学院	
	Behavioral Operations Management 行为运作管理		2	2	School of Management 管理学院	
	Management Consulting 管理咨询		2	1	School of Management 管理学院	
	Project Management 项目管理		2	1	School of Management 管理学院	
	Entrepreneurial Management 创业管理		2	2	School of Management 管理学院	
	Business and Society 商业与社会		2	2	School of Management	

				管理学院	
	Public Policies 公共政策学	2	2	School of Management 管理学院	
	Public Administration 公共管理学	2	2	School of Management 管理学院	

10.力学 Mechanics

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for all Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Equations of Mathematical Physics 数理方程	2	1	Faculty of Science 理学院	Choose any two 必修 2 门
		Numerical Analysis Methods 数值分析	2	1	Faculty of Science 理学院	
		Mathematical Statistics 数理统计	2	1	School of Finance 财经学院	
		Matrix 矩阵论	2	1	Faculty of Science 理学院	
	Professional Foundation or Specialized Courses 专业基础	Theory of Elasticity &Plastoelasticity 弹塑性力学	4	1	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	Choose at least two 至少选 2 门
		Basis of Vibration theory 振动理论基础	4	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	
		Solid Experimental Mechanics 固体实验力学	4	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	
		Viscous Fluid Mechanics 粘性流体力学	2	1	School of energy and power engineering 能动学院	
		Computational Fluid Mechanics 计算流体力学	2.5	2	School of energy and power engineering 能动学院	
		Finite Element Method 有限单元法	2	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	
	Specialized Elective Courses 专业选修课	Smart Material and Structure Mechanics 智能材料与结构力学	3	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	Choose at least two 至少选 2 门
Multiscale Mechanics 多尺度力学		4	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院		

		Composite Mechanics 复合材料力学	2	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	
		Modern nonlinear dynamics analysis method 非线性动力学现代分析方法	4	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	
		Micro Flows Theory and Simulation 微尺度流动理论与数值模拟	2	2	Energy and Power Engineering 能动学院	
		Modern Flow Measurement and Visualization Techniques 流动现代测量及显示技术	2	2	Energy and Power Engineering 能动学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper Writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent Application 专利申请	1	2		
Practice Procedure 实践环节		Special Practice 专业实践	2	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流		1	1, 2			
Supplementary courses 补修课程	Theoretical Mechanics 理论力学	3	1	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	At least two for Trans-disciplinary students 跨学科入学至少补修 2 门	
	Mechanics of Material 材料力学	3	1	Faculty of Civil Engineering and Mechanics 土木工程与力学学院		
	Fluid Mechanics 流体力学	3	1	Energy and Power Engineering 能动学院		

11. 电气工程 Electric Engineering

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注	
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修	
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院		
	Fundamental Theories 基础理论	Numerical Analysis 数值分析	2	1	Faculty of Science 理学院		
		Matrix 矩阵论	2	1	Faculty of Science 理学院		
		Engineering electromagnetism and calculation 工程电磁场计算	3	1	School of Electrical and Information Engineering 电气信息工程学院		
		Modern Power Electronic Theory and Technology 现代电力电子技术	3	1	School of Electrical and Information Engineering 电气信息工程学院		
	Professional Foundation or Specialized Courses 专业基础	Motor design and analysis 电机设计与分析	3	2	School of Electrical and Information Engineering 电气信息工程学院		Choose at least two 至少选 2 门
		Digital control technology in motor 电机数字控制技术	3	2	School of Electrical and Information Engineering 电气信息工程学院		
		Power system analysis 电力系统分析	3	2	School of Electrical and Information Engineering 电气信息工程学院		
	Specialized Elective Courses 专业选修课	Bearing less Motor Theory and its applications 无轴承电机控制理论及其应用	2	2	School of Electrical and Information Engineering 电气信息工程学院		Choose at least two 至少选 2 门
System modeling, simulation and optimization 系统建模仿真与优化		2	2	School of Electrical and Information Engineering 电气信息工程学院			

		Topics on electrical engineering 电气工程概论	2	2	School of Electrical and Information Engineering 电气信息工程学院	
		Electric drive and control 电机驱动与控制	2	2	School of Electrical and Information Engineering 电气信息工程学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	School of Electrical and Information Engineering 电气信息工程学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2		
Supplementary Courses 补修课程		Motor and drive technology 电机驱动技术	2	2	School of Electrical and Information Engineering 电气信息工程学院	Two for Trans-disciplinary students 跨专业补修 2 门
		Power Electronics Technology 电力电子技术	2	2	School of Electrical and Information Engineering 电气信息工程学院	
		Power system and its automation 电力系统自动化	2	2	School of Electrical and Information Engineering 电气信息工程学院	

12. 计算机科学与技术 Computer Science & Technology

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Numerical Analysis 数值分析	2	1	Faculty of Science 理学院	Choose at least two 至少选 2 门
		Mathematic Statistics 数理统计	2	1	School of Finance 财经学院	
		Matrix 矩阵	2	1	Faculty of Science 理学院	
		Mathematical Logic 数学逻辑	2	1	School of Computer Science & Communication Engineering 计算机学院	
	Professional Foundation or Specialized Courses 专业基础课	Advanced Object-Oriented Technology and Application	4	1,2	School of Computer Science & Communication Engineering 计算机学院	Compulsory 必修
		Distributed computing technology	2	1	School of Computer Science & Communication Engineering 计算机学院	
	Specialized Elective Courses 专业选修课	Information Security Technology	2	2	School of Computer Science & Communication Engineering 计算机学院	Choose at least two 至少选 2 门
		Human-Computer Interaction Technology	2	2	School of Computer Science & Communication Engineering 计算机学院	
Cryptography and Network Security		2	2	School of Computer Science & Communication Engineering 计算机学院		
Principles and Techniques of Search Engine		2	2	School of Computer Science & Communication Engineering 计算机学院		

		Software System Design and Development	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Machine Learning	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Advanced Computer Network	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Embedded System	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Image Processing	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Applications of Wireless Sensor Network	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Cloud Computing	2	2	School of Computer Science & Communication Engineering 计算机学院	
Selective for All 公共选修	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	School of Computer Science & Communication Engineering 计算机学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2		

Supplementary Courses 补修课程	Principles of Computer Composition	4	1 or 2	School of Computer Science & Communication Engineering 计算机学院	Two for Trans-discipl inary students 跨专业选修 2 门
	Data Structure	4	1 or 2	School of Computer Science & Communication Engineering 计算机学院	
	Operating System	4	1 or 2	School of Computer Science & Communication Engineering 计算机学院	

13.临床医学 Clinic Medicine

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for Public 公共必修	Chinese 汉语	4	1,2	Overseas Education College 海外教育学院	Compulsory 必修
		Medical statistics(two)	3	2	School of Medicine 医学院	
		Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Medical Molecular Biology	2	2	School of Medicine 医学院	
		Current Immunology	2	2	School of Medicine 医学院	
	Professional Foundation or Specialized Courses 专业基础课	Senior regional anatomy	2	3	School of Medicine 医学院	
		Progress In Medicine	3	3	School of Medicine 医学院	
		Surgery development	2	3	School of Medicine 医学院	
		Clinical pathology	2	2	School of Medicine 医学院	
		Pediatrics development	2	3	School of Medicine 医学院	
		Clinical Laboratory Diagnostics	2	3	School of Medicine 医学院	
	Specialized Elective Courses 专业选修课	Cardiovascular pathophysiology	2	2	School of Medicine 医学院	Choose at least four 至少选 4 门
Clinical epidemiology		2	3	School of Medicine 医学院		
clinical pharmacology		2	2	School of Medicine 医学院		
Biochemistry and Molecular Biology Experimental Technology		3	3	School of Medicine 医学院		
Immunology Experimental Technology		2	2	School of Medicine 医学院		
Laboratory Animal Science		2	3	School of Medicine 医学院		
Hematology		2	2	School of Medicine 医学院		

		Emergency medicine	2	2	School of Medicine 医学院	
		Surgical ophthalmology	2	2	School of Medicine 医学院	
		Community ophthalmology	2	2	School of Medicine 医学院	
		Bio-informatics	2	2	School of Medicine 医学院	
Selective for All 公共选修	Research and Information Literacy I 研究及信息素养课(公共选修) I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养课(公共选修) II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	School of Medicine 医学院	Selective 任选
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2		

14. 数学 Mathematics

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for all Students 公共必修课	Overview of China 中国文化概论	2	1	Overseas Education College 海外教育学院	Compulsory 必修 2 门
		Chinese 汉语	3	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Fundamentals for Real and Functional Analysis 现代分析基础	3	1	Faculty of Science 理学院	Choose any two 必修 2 门
		Functional Analysis 泛函分析	2.5	1	Faculty of Science 理学院	
		Fundamentals of Algebraic 代数基础	3	1	Faculty of Science 理学院	
		Foundations of Modern Probability 现 代概率论基础	2.5	1	Faculty of Science 理学院	
	Professional Foundation or Specialized Courses 专业基础	Advanced Numerical Analysis 高等数值分析	3	2	Faculty of Science 理学院	Choose any two 必修 2 门
		The Basis of Dynamical System 动力系统基础	2.5	1	Faculty of Science 理学院	
		Modern Partial Differential Equations 现代偏微分方程	2.5	2	Faculty of Science 理学院	
		Elements of Measure Theory 测度论基础	2	2	Faculty of Science 理学院	
		Nonlinear Functional Analysis 非线性泛函分析	2.5	2	Faculty of Science 理学院	
	Specialized Elective Courses 专业选修课	Differential Equations with Numerical Methods 微分方程数值解	2	2	Faculty of Science 理学院	Choose at least one of them 至少 1 门
		Qualitative Theory of Differential Equations 微分方程定性理论	2	2	Faculty of Science 理学院	

		Analysis of the Theory of Probability 分析概率论	2	2	Faculty of Science 理学院	
		Stochastic Differential Equations 随机微分方程	2	2	Faculty of Science 理学院	
		Stochastic Processes 随机过程	2	2	Faculty of Science 理学院	
		Economic Mathematical Methods and Models 经济数学方法与模型	2	2	Faculty of Science 理学院	
Public Elective Courses 公共选修课	Research and Information Literacy I 研究及信息素养课 (公共选修) I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper Writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养课 (公共选修) II	Patent Application 专利申请	1	2		
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2	学科所在学院	

15. 化学 Chemistry

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Advanced Inorganic Chemistry 高等无机化学	3	1	School of Chemistry and Chemical 化学化工学院	Choose any two 必修 2 门
		Advanced Organic Chemistry 高等有机化学	3	1	School of Chemistry and Chemical 化学化工学院	
		Advanced Physical Chemistry 高等物理化学	3	1	School of Chemistry and Chemical 化学化工学院	
		Modern Analytical Chemistry 现代分析化学	3	1	School of Chemistry and Chemical 化学化工学院	
	Professional Foundation or Specialized Courses 专业基础	Instrument Analytical Technology 仪器分析技术	4	1, 2	School of Chemistry and Chemical 化学化工学院	Choose any two 必修 2 门
		Modern Synthetic Chemistry 现代合成化学	3	1	School of Chemistry and Chemical 化学化工学院	
		Advanced Coordination Chemistry 高等配位化学	3	1	School of Chemistry and Chemical 化学化工学院	
		Catalytic Chemistry 催化化学	3	2	School of Chemistry and Chemical 化学化工学院	
Specialized Elective Courses 专业选修课	Separation Science and Technology 分离科学与技术	3	2	School of Chemistry and Chemical 化学化工学院	Choose at least two 至少选 2 门	

		Nano-chemistry 纳米化学基础	3	2	School of Chemistry and Chemical 化学化工学院	
		Metal Organic Chemistry 金属有机化学	3	2	School of Chemistry and Chemical 化学化工学院	
		Applied Electrochemistry 应用电化学	3	2	School of Chemistry and Chemical 化学化工学院	
		Functional Polymer Materials 功能高分子材料	3	2	School of Chemistry and Chemical 化学化工学院	
Selectiv e for All 公共选 修 课	Research and Information Literacy I 研究及信息 素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper Writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息 素养 II	Patent Application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	School of Chemistry and Chemical 化学化工学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2		
Supplementary Courses 补修课程		Inorganic Chemistry 无机化学	3	1	School of Chemistry and Chemical 化学化工学院	Two for Trans- disciplinary students 跨专业补修 2 门
		Physical Chemistry 物理化学	3	1		
		Organic Chemistry 有机化学	3	2		
		Analytical Chemistry 分析化学	3	2		

16.生物学 Biology

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for Public 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Advanced Biochemistry 高级生化	2	1	Institute of Life Sciences 生科院	Choose at least two 至少选 2 门
		Molecular Biology (English) 分子生物学	2	1	Institute of Life Sciences 生科院	
		Global Regulatory Network and Signal Transduction in Bacteria 细菌遗传调控	2	2	Institute of Life Sciences 生科院	
	Professional Foundation or Specialized Courses 专业基础或专业课	Molecular Genetics 分子遗传	2	1	Institute of Life Sciences 生科院	Choose at least two 至少选 2 门
		Functional Genomics 功能基因组学	2	2	Institute of Life Sciences 生科院	
		Instrumental Analysis and experimental technology in biology 生物学仪器分析及实验技术	3	2	Institute of Life Sciences 生科院	
	Elective Courses 选修课	Molecular Virology 病毒分子生物学	2	2	Institute of Life Sciences 生科院	Choose at least two 至少选 2 门
		Progress in life science 现代生命科学进展前沿知识讲座	2	2	Institute of Life Sciences 生科院	

		Molecular Oncology 肿瘤分子生物学	2	2	Institute of Life Sciences 生科院	
		Cell Signal Transduction 细胞信号传导	2	2	Institute of Life Sciences 生科院	
		Bioinformatics 生物信息学	2	2	Institute of Life Sciences 生科院	
		Plant Molecular Biology 植物分子生物学	2	2	Institute of Life Sciences 生科院	
		Protein Structure, Function and 3-D Structure Resolution by X Ray Crystallography 蛋白质结构功能及应用 X 射线晶体学解析蛋白质的晶体结构	2	2	Institute of Life Sciences 生科院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	Institute of Life Sciences 生科院	
Scientific Frontiers&Symposiums 学术前沿及学术交流			1	1, 2		

17. 统计学 Statistics

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Operation Research 运筹学	2	1	School of Management 管理学院	
		Mathematic Statistics 数理统计	2	1	School of Finance 财经学院	
	Professional Foundation or Specialized Courses 专业基础	Econometric Model 经济计量模型	4	1,2	School of Finance 财经学院	
		Multivariate Statistical Analysis 多元统计分析	2	2	School of Finance 财经学院	
Specialized Elective Courses 专业选修课		Modern Statistical Theory Research 现代统计理论研究	2	1	School of Finance 财经学院	Choose at least two 至少选 2 门
		National Economic Statistical Analysis 国民经济统计分析	2	2	School of Finance 财经学院	
		Application of Statistical Software 统计软件应用	2	2	School of Finance 财经学院	
		Time Series Analysis 时间序列分析	2	2	School of Finance 财经学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	学科所在学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2		
Supplementary Courses 补修课程		Statistics 统计学	2	1	School of Finance 财经学院	Two for Trans-disciplinary students 跨专业补修 2 门
		Econometrics 计量经济学	2	1	School of Finance 财经学院	
		Theory and Method on Social Investigation 社会调查理论与方法	2	1	School of Finance 财经学院	

18.生态学 Ecology

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Plant Physiology 植物生理学	2	1	农业装备工程学院	Choose any two 必修 2 门
		Biostatistics 生物统计学	2	1	农业装备工程学院	
		Hydrobiology 水生生物学	2	1	农业装备工程学院	
	Professional Foundation or Specialized Courses 专业基础	Restoration Ecology 恢复生态学	2	2	农业装备工程学院	Choose any two 必修 2 门
		Advanced Ecology 高级生态学	2	2	农业装备工程学院	
		Wetland Ecology 湿地生态学	2	2	农业装备工程学院	
	Specialized Elective Courses 专业选修课		Ecological Planning and Design 生态规划与设计	2	2	农业装备工程学院
Eco-Economics 生态经济			2	2	农业装备工程学院	
Environmental Impacting Evaluation 环境影响评价			2	2	农业装备工程学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	学科所在学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2		

Supplementary Courses 补修课程		Two for Trans-disciplinary students 跨专业补修 2 门
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19.光学工程 Optical Engineering

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for Public 公共必修课	Overview of China 中国文化概论	2	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	3	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Mathematical Model 数学模型	2	1	Faculty of science 理学院	
		Chaos Theory 混沌理论	2	1	Faculty of science 理学院	
	Professional Foundation or Specialized Courses 专业基础课	Applied optics 应用光学	2	1	School of mechanical engineering 机械学院	Choose at least one 至少选 1 门
		Fourier optics 傅里叶光学	2	1	School of mechanical engineering 机械学院	
		Laser technology 激光技术	2	1	School of mechanical engineering 机械学院	
		Modern optics experiments 现代光学实验	2	2	School of mechanical engineering 机械学院	Compulsory 必修
	Professional Elective Courses 专业选修课	Modern optical testing technology 现代光学测试技术	2	2	School of mechanical engineering 机械学院	Choose at least three 至少选 3 门
		Optical system design 光学系统设计	2	1	School of mechanical engineering 机械学院	

		Light scattering theory and Application 光散射理论及其应用	2	2	Faculty of science 理学院	
		Micro structure optical fiber and its application 微结构光纤及其应用	2	2	School of mechanical engineering 机械学院	
		Transient signal measurement technology and Application 瞬态信号度量技术及应用	2	2	School of mechanical engineering 机械学院	
		Fiber optics and optical fiber technology 纤维光学与光纤应用技术	2	2	School of mechanical engineering 机械学院	
		Optical communication device modeling and Simulation Technology 激光加工技术	2	2	School of mechanical engineering 机械学院	
		Laser machining 光通信器件模拟与仿真技术	2	2	School of mechanical engineering 机械学院	
Public Elective Courses 公共选修课	Research and Information Literacy I 研究及信息素养课（公共选修）I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper Writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养课（公共选修）II	Patent Application 专利申请	1	2		
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1,2	School of mechanical engineering 机械学院	

Supplementary courses 补修课	Electromagnetic field and wave 电磁场与电磁 波	2	1	School of mechanical engineering 机械学院	For Trans-disciplinarystu dents 跨专业学生必修
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20. 仪器科学与技术 Instrument Science & Technology

Course Category 课程类别	Course title 课程名称		Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注	
Degree Courses 学位课	Compulsory Subjects for Public 公共必修课	Chinese 汉语	4	1,2	Overseas Education College 海外教育学院	Compulsory 必修 2 门	
		Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院		
	Fundamental Theories 基础理论	Numerical Analysis 数值分析	2	1	Faculty of Science 理学院	Compulsory 必修 2 门	
		Mathematical Statistics 数理统计	2	1	School of Finance 财经学院		
	Professional Foundation or Specialized Courses 专业基础课	Process control Instrumentation Technology 过程控制仪表技术	Sensor Electronics 传感器电子学	2	1	School of Mechanical Engineering 机械工程学院	Choose at least two 至少选 2 门
			Error Theory and Test Data Processing 误差理论与测试数据处理	2	2	School of Mechanical Engineering 机械工程学院	
			Measurement Technology Based on Machine Vision 机器视觉测量技术	2	2	School of Mechanical Engineering 机械工程学院	
Professional Elective Courses 专业选修课	Non-destructive Testing Technology 无损检测技术	2	2	School of Mechanical Engineering 机械工程学院	Choose at least three 至少选 3 门		
	Multi-sensor Information Fusion Technology 多传感器信息融合技术	2	1	School of Mechanical Engineering 机械工程学院			
	Virtual Instrument Technology and Applications	2	2	School of Mechanical			

	虚拟仪器技术及应用			Engineering 机械工程学院	
	Wireless Microcontroller Network Technology 无线单片机网络技术	2	2	School of Mechanical Engineering 机械工程学院	
	Micro-nano Detection Technology 微纳检测技术	2	1	School of Mechanical Engineering 机械工程学院	
	Digital signal processing 数字信号处理	2	2	School of Mechanical Engineering 机械工程学院	
Public Elective Courses 公共选修课	Research and Information Literacy I 研究及信息 素养课（公共 选修） I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院
		Paper writing 论文写作	1	2	
	Research and Information Literacy II 研究及信息 素养课（公共 选修） II	Patent application 专利申请	1	2	
Other courses 其他课程	Practical Procedure 实践环节	Special Practice 专业实践	2	2	School of Mechanical Engineering 机械工程学院
	Scientific Frontiers & Symposia 学术前沿及学术交流		1	1, 2	
Supplementary Courses 补修课程					Two for Trans-disciplinary students 跨专业补修 2 门

21. 化学工程与技术 Chemical Engineering & Technology

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Numerical Analysis 数值分析	3	1	Faculty of Science 理学院	
		Mathematic Statistics 数理统计	3	1	School of Finance 财经学院	
		Advanced Inorganic Chemistry 高等无机化学	3	1	School of Chemistry and Chemical Engineering 化学化工学院	
		Advanced Organic Chemistry 高等有机化学	3	1	School of Chemistry and Chemical Engineering 化学化工学院	
		Advanced Physical Chemistry 高等物理化学	3	1	School of Chemistry and Chemical Engineering 化学化工学院	
		Modern Analytical Chemistry 现代分析化学	3	1	School of Chemistry and Chemical Engineering 化学化工学院	
	Professional Foundation or Specialized Courses 专业基础	Chemical Reaction Engineering Reviews 化学反应工程概述	3	1	School of Chemistry and Chemical Engineering 化学化工学院	Choose any two 必修 2 门
		Catalysis Chemistry 催化化学	3	2	School of Chemistry and Chemical Engineering 化学化工学院	

		Advanced Coordination Chemistry 高等配位化学	3	1	School of Chemistry and Chemical Engineering 化学化工学院	
		Instrumental Analysis Experiment 高等仪器分析实验	3	1	School of Chemistry and Chemical Engineering 化学化工学院	
Specialized Elective Courses 专业选修课		Separation Science and Technology 分离科学与技术	3	2	School of Chemistry and Chemical Engineering 化学化工学院	Choose at least two 至少选 2 门
		Nano-chemistry 纳米化学基础	3	2	School of Chemistry and Chemical Engineering 化学化工学院	
		Metal Organic Chemistry 金属有机化学	3	2	School of Chemistry and Chemical Engineering 化学化工学院	
		Sustainable Development and Cleaner Production 可持续发展与生产	3	2	School of Chemistry and Chemical Engineering 化学化工学院	
		Advanced Materials and Applications 先进材料及其应用	3	2	School of Chemistry and Chemical Engineering 化学化工学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	2	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper Writing 论文写作		1		
	Research and Information Literacy II 研究及信息素养 II	Patent Application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	School of Chemistry and Chemical Engineering 化学化工学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2	School of Chemistry and Chemical Engineering 化学化工学院	

Supplementary Courses 补修课程	Chemical Reaction Engineering 化学反应工程	1	1	School of Chemistry and Chemical Engineering 化学化工学院	Two for Trans-disciplinary students 跨专业补修2门
	Chemical Technology 化工工艺学	1	1	School of Chemistry and Chemical Engineering 化学化工学院	
	Industrial Catalysis 工业催化	1	2	School of Chemistry and Chemical Engineering 化学化工学院	
	Chemical Principles 化工原理	1	2	School of Chemistry and Chemical Engineering 化学化工学院	

22. 软件工程 Software Engineering

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注	
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修	
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院		
	Fundamental Theories 基础理论	Numerical Analysis 数值分析	2	1	Faculty of Science 理学院	Choose any two 必修 2 门	
		Mathematic Statistics 数理统计	2	1	School of Finance 财经学院		
		Matrix 矩阵	2	1	Faculty of Science 理学院		
		Mathematical Logic 数学逻辑	2	1	School of Computer Science & Communication Engineering 计算机学院		
	Professional Foundation or Specialized Courses 专业基础课	Advanced Object-Oriented Technology and Application	4	1,2	School of Computer Science & Communication Engineering 计算机学院	Compulsory 必修	
		Distributed computing technology	2	1	School of Computer Science & Communication Engineering 计算机学院		
	Specialized Elective Courses 专业选修课		Information Security	2	2	School of Computer Science & Communication Engineering 计算机学院	Choose at least two 至少选 2 门
			Human-Compute r Interaction Technology	2	2	School of Computer Science & Communication Engineering 计算机学院	
Cryptography and Network Security			2	2	School of Computer Science & Communication Engineering 计算机学院		

		Principles and Techniques of Search Engine	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Software System Design and Development	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Machine Learning	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Advanced Computer Network	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Information Access and Retrieval	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Image Processing	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Applications of Wireless Sensor Network	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Cloud Computing	2	2	School of Computer Science & Communication Engineering 计算机学院	
Selective for All 公共选修	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application	1	2		
Practical Procedure 实践环节		Special Practice	2	2	School of Computer Science	

Scientific Frontiers & Symposiums 学术前沿及学术交流		1	1, 2	& Communication Engineering 计算机学院	
Supplementary Courses 补修课程	Computer Organization principle	4	1 or 2	School of Computer Science & Communication Engineering 计算机学院	Two for Trans-disciplinar y students 跨专业补修2门
	Data Structure	4	1 or 2	School of Computer Science & Communication Engineering 计算机学院	
	Operating System	4	1 or 2	School of Computer Science & Communication Engineering 计算机学院	

23. 药学 Pharmaceutical Science

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Medical Statistics 医学统计学	2	1	School of Medicine School of Pharmacy 医学院、药学院	
		Experimental pharmacology 实验药理学	2	1	School of Pharmacy 药学院	
	Professional Foundation or Specialized Courses 专业基础	Modern Techniques in Pharmaceutical Analysis 现代药物分析技 术	4	1,2	School of Pharmacy 药学院	

		Drug metabolism and pharmacokinetics 药物代谢与药动力学	2	2	School of Pharmacy 药学院	
专业选修课 Specialized Elective Courses		Synthetic chemistry and drug design 药物合成方法学	2	2	School of Pharmacy 药学院	Choose at least two 至少选 2 门
		Gene transfer and tissue engineering 基因转运与组织工程	2	2	School of Pharmacy 药学院	
		Pharmaceutical preparations pilot equipment and molding process 药物制剂中试设备与成型工艺	2	2	School of Pharmacy 药学院	
		Modern separation technology and application of TCM 中药现代分离技术及应用	2	2	School of Pharmacy 药学院	
		Bio-informatics 生物信息学	2	2	Institute of Life Sciences 生科院	
		Toxicology 毒理学	2	1	School of Pharmacy 药学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	School of Pharmacy 药学院	Two for Trans-disciplinary
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2		
Supplementary Courses 补修课程		Pharmacy 药剂学	2	1		

	Pharmacology 药理学	2	1	School of Pharmacy 药学院	students 跨专业补修 2 门
	Pharmaceutical chemistry 药物化学	2	1	School of Pharmacy 药学院	
	Medicinal plant and pharmacognosy 药用植物与生药 学	2	1	School of Pharmacy 药学院	

24. 中药学 Traditional Chinese Medicine

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Public compulsory 公共必修	Chinese 汉语	4	1,2	Overseas Education College 海外教育学院	Compulsory 必修
		Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Applied Statistics 应用统计学	2	1	School of Pharmacy 药学院	
		Molecular Pharmacognosy 分子生药学	2	1	School of Pharmacy 药学院	
	Professional basic or specialized course 专业基础	Modern Techniques in Pharmaceutical Analysis 现代药物分析技 术	4	1,2	School of Pharmacy 药学院	
		Specific Topics of Chinese Materia Medica 中药学专论	2	2	School of Pharmacy 药学院	
Specialized Elective Courses 专业选修课		Molecular Biology 分子生物学	2	2	School of Pharmacy 药学院	Choose at least two 至少选 2 门
		Resources of Chinese Materia Medica 中药资源学	2	2	School of Pharmacy 药学院	
		Pharmacology and Toxicology of TCM 中药药理与毒理 学专论	2	2	School of Pharmacy 药学院	
		Medicinal Chemistry of Natural products 天然药物化学选 论	2	1	School of Pharmacy 药学院	
		Chinese Medicine Processing 中药炮制学	2	1	School of Pharmacy 药学院	

		Modern separation Techniques of TCM 中药现代分离技术	2	2	School of Pharmacy 药学院	
		Selected Topics of Pharmacognosy 生药学选论	1	2	School of Pharmacy 药学院	
		Selected Topics of Modern Pharmaceutics 现代药剂学选论	2	1	School of Pharmacy 药学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	School of Pharmacy 药学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2		
Supplementary Courses 补修课程		Pharmacology 药理学			Pharmacy College 药学院	At least two for Trans-disciplinary students 跨专业至少补修 2 门
		Medicinal plants and pharmacognosy 药用植物与生药学			Pharmacy College 药学院	
		Pharmaceutics 药剂学			Pharmacy College 药学院	
		Natural pharmaceutical chemistry 天然药物化学			Pharmacy College 药学院	

25.基础医学 Basic Medicine

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree courses 学位课	Compulsory Subjects for all Students 公共必修	Chinese 汉语	4	1,2	Overseas Education College 海外教育学院	Compulsory 必修
		Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Basic Neuroscience 神经科学基础	2	2	School of Medicine 医学院	Choose any two 必修 2 门
		Modern histology 现代组织学	2	2		
		Cellular and Molecular Immunology 细胞与分子免疫学	2	2		
		Medical Statistics 医学统计学	2	1		
		Modern Medical Cell Biology 现代医学细胞生物学	2	1		
		Molecular Biology 分子生物学	2	2		
	Professional Foundation or Specialized Courses 专业基础或专 业课	Engineering of Reproduction and Teratology 生殖医学与畸胎学	2	1		Choose at least two 至少选 2 门
		Advanced Medical Biochemistry 高级医学生物化学	2	1		
		Clinical Immunology 临床免疫学	2	2		
		Molecular Pharmacology 分子药理学	2	2		
		Modern Medical Physiology 现代医学生理学	2	1		
		Advanced Pathophysiology 高 级病理生理学	2	2		
Modern Medical Genetics 现代医学遗传学		2	2			
Molecular Microbiology 分子微生物学		2	1			
Advances in Parasitology 寄生 虫学进展		2	1			
Molecular Pathology 分子病理学	2	1				

Specialized Elective Courses 专业选修课	Histochemistry and cell culture techniques 组织化学与细胞培养技术		2	1	School of Medicine 医学院	Choose at least two 至少选 2 门
	Immunological techniques 免疫学技术		2	1		
	Biochemical techniques 生物化学技术		2	2		
	Advances in Physiology 生理学进展		2	1		
	Molecular Pathology 高级分子生物学技术		2	2		
	Microbiology Laboratory Technology 微生物学实验技术		2	2		
	Diagnosis of medical parasitology 诊断医学寄生虫学		2	2		
	Tissue Engineering Materials 组织工程材料		2	1		
Public Elective Courses 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	Medical School 医学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1,2		

26.应用经济学 Applied Economics

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Multivariate Statistical Analysis	2	1	School of Finance 海外教育学院	
		Mathematic Statistics	2	1	School of Finance 财经学院	
	Professional Foundation or Specialized Courses 专业基础课	Intermediate Microeconomics & Macroeconomics	4	1, 2	School of Finance 财经学院	
		International Economics	2	2	School of Finance 财经学院	
Specialized Elective Courses 专业选修课		Intermediate International Trade	2	2	School of Finance 财经学院	Choose at least two 至少选 2 门
		Intermediate Industrial Economics	2	2	School of Finance 财经学院	
		Advanced Finance	2	2	School of Finance 财经学院	
		Logistics & Supply Chain Management	2	2	School of Management 管理学院	
Public Elective Courses 公共选修课		Literature Retrieval & Utilization	1	1	Graduate School Overseas Education College	Selective 任选
		Paper writing	1	2	研究生院 海外教育学院	
Practical Procedure 实践环节		Special Practice	2	2	School of Finance 财经学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1,2	School of Finance 财经学院	

27.马克思主义理论 Theories of Marxism

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for Public 公共必修	Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	Compulsory 必修
		Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Mao Zedong Thought 毛泽东思想研究	3	1	School of Marxism 马克思主义学院	Choose at least two 至少选 2 门
		History of the Sinicization of Marxism 马克思主义中国化 史研究	3	1	School of Marxism 马克思主义学院	
		Fundamental tenets of Marxism 马克思主义基本原 理专题研究	2	2	School of Marxism 马克思主义学院	
	Professional Foundation or Specialized Courses 专业基础或 专业课	History of China's reforming and opening up 当代中国改革开放 史研究	3	2	School of Marxism 马克思主义学院	Choose at least two 至少选 2 门
		Theory and method for ideological and political education 思想政治教育理论 与方法	2	1	School of Marxism 马克思主义学院	
		Western Marxism 西方马克思主义	3	2	School of Marxism 马克思主义学院	
		Theory and practice of socialist democracy 社会主义民主政治 的理论与实践	2	1	School of Marxism 马克思主义学院	
	Compulsory courses 必修课	Information retrieval 文献检索	2	1	Library of Jiangsu University 图书馆	Compulsory 必修
Research method of social sciences 社会科学研究方法 论专题		2	2	School of Marxism 马克思主义学院		

Elective Courses 选修课	History of Chinese culture 中国文化史专题研究	2	1	School of Marxism 马克思主义学院	Choose at least two 至少选 2 门
	Contemporary social issues in China 当代中国社会问题透视	2	2	School of Marxism 马克思主义学院	
	Chinese modern social thoughts 中国近现代社会思潮	2	2	School of Marxism 马克思主义学院	
Supplementary courses 补修课程	Theory of political science 政治学原理	2	1	School of Marxism 马克思主义学院	At least one for Trans-disciplinary students 跨学科入学至少补修 1 门
	General theory of ideological and political education 思想政治教育原理	3	2	School of Marxism 马克思主义学院	
	History of Marxist philosophy 马克思主义哲学史	3	1	School of Marxism 马克思主义学院	

28.教育学 Education Science

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	Courses From the School 开课单位	Remark 备注
Degree Courses 学位课程	Compulsory Subjects for All Students 公共必修课程	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Basic Theory of Education 教育基本理论	2	1	School of Teacher Education 教师教育学院	Choose at least two 至少选 2 门
		Higher Education 高等教育学	2	1	School of Teacher Education 教师教育学院	
		Curriculum and Teaching Methodology 课程与教学论	2	1	School of Teacher Education 教师教育学院	
	Professional Foundation or Specialized Courses 专业基础或专 业课	Basis of Curriculum Design 课程设计基础	2	2	School of Teacher Education 教师教育学院	
		Educational Governance and Administration 教育治理与管理	2	2	School of Teacher Education 教师教育学院	
		History of Western Education 西方教育史	2	2	School of Teacher Education 教师教育学院	
		History of China Education 中国教育史	2	2	School of Teacher Education 教师教育学院	
	Specialized Elective Courses 专业选修	Principles of Learning 学习原理	2	2	Overseas Education College 海外教育 学院	Choose at least two 至少选 2 门
Educational Sociology 教育社会学		2	2	School of Teacher Education 教师教育学院		
Curriculum Leadership 课程领导		2	2	School of Teacher Education 教师教育学院		
E-Learning Research 数字化学习研究		2	3	School of Teacher Education 教师教育学院		
Comparative Study of Higher Education 高等教育比较研究		2	3	School of Teacher Education 教师教育学院		

	Psychological Analysis of Education Reform 教育改革心理分析	2	3	School of Teacher Education 教师教育学院	
Selective for All 公共选修课	Literature Retrieval & Utilization 文献检索	2	3	Graduate School Overseas Education College 海外教育学院 研究生院	Selective 任选
	Paper writing 论文写作	2	3		
Practical Procedure 实践环节	Special Practice 专业实践	2	2	School of Teacher Education 教师教育学院	
Scientific Frontiers&Symposiums 学术前沿及学术交流		1	1,2	School of Teacher Education 教师教育学院	
Supplementary Courses 补修课程	Educational Principle 教育学原理	2	1	School of Teacher Education 教师教育学院	
	Psychology 心理学	2	1	School of Teacher Education 教师教育学院	

29.工商管理 Business Administration

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Public Compulsory 公共必修	Overview of China 中国文化概论	3	2	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1,2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Mathematical Statistics 数理统计	2	1	School of Finance 财经学院	
		Operations Research 运筹学	2	1	School of Management 管理学院	
	Professional Foundation or Specialized Courses 专业基础	Econometric Model 经济计量模型	2	1	School of Finance 财经学院	Choose any two 必修 2 门
		Game Theory (I) 博弈论(I)	2	1	School of Management 管理学院	
		System Engineering 系统工程	2	1	School of Management 管理学院	
		Multivariate Statistical Analysis (I) 多元统计分析(I)	2	1	School of Finance 财经学院	
		Frontier of Economics 经济学前沿	2	1	School of Management 管理学院	
	Specialized Elective Courses 专业选修课	Customer Relationship Management in Big Data Age 大数据时代的客户关系管理	2	2	School of Management 管理学院	Choose at least two 至少选 2 门
Advanced Management 高级管理		2	1	School of Management 管理学院		
Management Research Method 管理研究方法		2	2	School of Management 管理学院		
Accounting Theory and Practice 会计理论与实务		3	1	School of Finance 财经学院		

		Advanced Financial Management 高级财务管理	3	1	School of Finance & Economics 财经学院	
		Auditing Theory and Method 会计研究方法	2	2	School of Finance & Economics 财经学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	2	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作		1		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
	Practical Procedure 实践环节	Special Practice 专业实践	2	2		
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2		
Supplementary Courses 补休课程	Enterprise Management & Technical Economy and Management 企业管理 & 技术经济管理	Internet Economy and Management 互联网经济与管理	2	2	School of Management 管理学院	Two for Trans-disciplinary students 跨专业补修 2 门
		Business and Society 商业与社会	2	2	School of Management 管理学院	
		Human Resource Management 人力资源管理	2	1	School of Management 管理学院	
		Entrepreneurial Management 创业管理	2	2	School of Management 管理学院	
		Project Management 项目管理	2	1	School of Management 管理学院	
		Scientific Writing in English 英语科技写作	2	2	School of Management 管理学院	
		Management Communication 管理沟通	2	1	School of Management 管理学院	

		Management Consulting 管理咨询	2	1	School of Management 管理学院	
		Consumer Behavior 消费者行为学	2	2	School of Management 管理学院	
		Services Marketing 服务营销学	2	1	School of Management 管理学院	
		International Marketing 国际市场营销	2	1	School of Management 管理学院	
		Behavioral Operations Management 行为运作管理	2	2	School of Management 管理学院	
		E-commerce 电子商务	2	1	School of Management 管理学院	
		Management Information System 管理信息系统	2	2	School of Management 管理学院	
		Operation Management 运营管理	2	1	School of Management 管理学院	
	Accounting 会计	Internal Control and Risk Management 内部控制与风险管理	2	1	School of Finance 财经学院	Two for Trans-disciplinary students 跨专业补修 2 门
		Advanced Management Accounting Research 高级管理与会计研究	2	1	School of Finance 财经学院	
		Advanced Financial Accounting Research 高级财务与会计研究	2	2	School of Finance 财经学院	
		Corporate Financial Analysis 公司财务分析	2	2	School of Finance 财经学院	
		Performance Management 绩效管理	2	2	School of Finance & Economics 财经学院	
		Cost Accounting Research 成本会计研究	2	2	School of Finance 财经学院	
		International Accounting Principle 国际会计准则	2	1	School of Finance 财经学院	

30. 公共管理 Management of Public Affairs

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注	
Degree Courses 必修课	Compulsory Subjects for all Students 公共必修	Overview of China 中国文化概论	3	2	Overseas Education College 海外教育学院	Compulsory 必修	
		Chinese 汉语	4	1,2	Overseas Education College 海外教育 学院		
	Fundamental Theories 基础理论	Mathematical Statistics 数理统计	2	1	School of Finance 财经学院		
		Operations Research 运筹学	2	1	School of Management 管理学院		
	Professional Foundation or Specialized Courses 专业基础	Game Theory (I) 博弈论	2	1	School of Management 管理学院	Choose any two 必修 2 门	
		System Engineering (I) 系统工程 (I)	2	1	School of Management 管理学院		
Specialized Elective Courses 专业选修课		Senior Health Management 高级卫生事业管理学	2	1	School of Management 管理学院	Choose at least two 至少选 2 门	
		Senior Health Economics (I) 高级卫生经济学(I)	2	2	School of Management 管理学院		
		Public Administration(I) 公共管理学(I)	2	2	School of Management 管理学院		
		Public Policies(I) 公共政策学(I)	2	2	School of Management 管理学院		
Public Elective Courses 公共选修 课		Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	2	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
				Paper writing 论文写作	1		

	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
	Practical Procedure 实践环节	Special Practice 专业实践	2	2	School of Management 管理学院	
	Scientific Frontiers & Symposiums 学术前沿及学术交流		1	1, 2		
Supplementary Courses 补休课程	Management Research Meth 管理研究方法		2	2	School of Management 管理学院	Two for Trans-disciplinary students 跨专业补修 2 门
	Human Resource Management 人力资源管理		2	1	School of Management 管理学院	
	Advanced Management 高级管理学		2	1	School of Management 管理学院	
	Senior Hospital Management 高级医院管理学		2	2	School of Management 管理学院	
	Social Medicine 社会医学		2	1	School of Management 管理学院	
	Scientific Writing in English 学术论文写作		2	2	School of Management 管理学院	
	Senior Medical Insurance 高级医疗保险学		2	1	School of Management 管理学院	
	Business and Society 商业与社会		2	2	School of Management 管理学院	
	Health Policy and Regulation 卫生政策与法规		2	1	School of Management 管理学院	
	Services Marketing 服务市场		2	1	School of Management 管理学院	
	Project Management 项目管理		2	1	School of Management 管理学院	
	Management Consulting 管理咨询		2	1	School of Management 管理学院	

31. 图书情报与档案管理 Management of Library, Information and Archives

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Operation Research 运筹学	2	1	School of Management 管理学院	
		Mathematic Statistics 数理统计	2	1	School of Finance 财经学院	
	Professional Foundation or Specialized Courses 专业基础	Theory and Method of Library & Information Science 图书情报学理论与方法	4	1, 2		
		Introduction to Library Science 图书馆学概论	2	1		
Specialized Elective Courses 专业选修课		Informetrics 信息计量研究	2	1	Institute of Science and Technology Information 科技信息研究所	Choose at least two 至少选 2 门
		Principle and Method of Digital Library 数字图书馆原理与方法	2	2		
		Patent Intelligence Analysis 专利情报分析	2	2		
		Information Behavior Analysis 信息行为分析	2	2		
Supplementary Courses 补修课程	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	2	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作		1		
	Research and Information Literacy II	Patent Application	1	2		
	研究及信息素养 II	专利申请				
Practical Procedure 实践环节		Special practice 专业实践	2	2	Institute of Science and Technology Information 科技信息研究所	
Scientific Frontiers & Symposiums 学术前沿及学术交流						1

32. 美术学 Fine Arts

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2		
	Fundamental Theories 基础理论	The Method of Studying Fine Arts 美术学方法导论	3	1	School of Art 艺术学院	Choose at least two 至少选 2 门
		Fine Art History 美术史	3	1	School of Art 艺术学院	
		The Principle of Fine Art 美术原理	3	2	School of Art 艺术学院	
		Art Criticism and Art Movement 美术批评与美术运动	3	1	School of Art 艺术学院	
	Professional Foundation or Specialized Courses 专业基础	The Introduction of Chinese Art Archaeology 美术考古导论	3	1	School of Art 艺术学院	Choose at least two 至少选 2 门
		Chinese Folk Arts 民间美术	3	2	School of Art 艺术学院	
		Chinese Painting Theory and Literature Reading 画论与美术文献研读	2	2	School of Art 艺术学院	
	Specialized Elective Courses 专业选修课	The Identification of Painting and the Market of Art 书画鉴定与艺术品市 场	2	2	School of Art 艺术学院	Choose at least two 至少选 2 门
Calligraphy Coping 书法经典研读与临摹		2	3	School of Art 艺术学院		
The Studying of Calligraphy Creation 书法创作研究		2	3	School of Art 艺术学院		
The Studying of Chinese Painting		2	3	School of Art 艺术学院		

	中国画写生与临摹				
	Creation of Chinese Painting 中国画创作研究	2	5	School of Art 艺术学院	
	The Studying of Western Painting 西画写生与临摹	2	3	School of Art 艺术学院	
	Creation of Western Painting 西画创作研究	2	5	School of Art 艺术学院	
Supplementary Courses 补修课程	Sketch 素描	2		School of Art 艺术学院	跨学科或同等学力入学至少补修2门
	Watercolor 色彩	2		School of Art 艺术学院	
	Line Drawing 中国画线描	2		School of Art 艺术学院	
	The Handwriting Coping 书法临摹	2		School of Art 艺术学院	
Practical Procedure 实践环节	Special Practice 专业实践 (创作展览)	2		School of Art 艺术学院	

33.外国语言文学 Foreign Linguistics

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修课	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	General Linguistics	3	1	School of Foreign Languages 外国语学院	Choose at least two 至少选 2 门
		Translation Theories	3	2	School of Foreign Languages 外国语学院	
		Language and Culture	3	1	School of Foreign Languages 外国语学院	
	Professional Foundation or Specialized Courses 专业基础课	Second Language Acquisition	2	1	School of Foreign Languages 外国语学院	Choose at least two 至少选 2 门
		Cross-cultural Communication	2	1	School of Foreign Languages 外国语学院	
		Contrastive Linguistics	2	2	School of Foreign Languages 外国语学院	
	Specialized Elective Courses 专业选修课	Foreign Language Curriculum and Teaching	2	2	School of Foreign Languages 外国语学院	Choose at least two 至少选 2 门

		English Language Testing	2	2	School of Foreign Languages 外国语学院	
		Corpus Linguistics	2	2	School of Foreign Languages 外国语学院	
		Pragmatics	2	2	School of Foreign Languages 外国语学院	
		Functional Grammar	2	2	School of Foreign Languages 外国语学院	
		Discourse Analysis	2	2	School of Foreign Languages 外国语学院	
Selective for All 公共选修	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization	1	1	Graduate School or Overseas Education College 研究生院 海外教育学院	Selective 任选
		Academic Writing	1	1		
	Research and Information Literacy II 研究及信息素养 II	Literature Study	1	2	School of Foreign Languages 外国语学院	
		Methodology for Foreign Language Research	1	2	School of Foreign Languages 外国语学院	
Practical Procedure 实践环节	Special Practice	2	2	School of Foreign Languages 外国语学院		
Scientific Frontiers & Symposiums 学术前沿及学术交流			2	1, 2	School of Foreign Languages 外国语学院	

34.信息与通信系统 Information & Communication Engineering

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2		
	Fundamental Theories 基础理论	Numerical Analysis 数值分析	2	1	Faculty of Science 理学院	Choose any two 必修 2 门
		Mathematic Statistics 数学统计	2	1	School of Finance 财经学院	
		Matrix 矩阵	2	1	Faculty of Science 理学院	
		Random Process	2	1	School of Computer Science & Communication Engineering 计算机学院	
	Professional Foundation or Specialized Courses 专业基础	Modern Communication Systems and Networks	4	1,2	School of Computer Science & Communication Engineering 计算机学院	Compulsory 必修
		Communication Systems Design & Application	2	1	School of Computer Science & Communication Engineering 计算机学院	
	Specialized Elective Courses 专业选修	Optical Communication Technology	2	2	School of Computer Science & Communication Engineering 计算机学院	Choose at least two 至少选 2 门
		Principles and Applications of Mobile Communication	2	2	School of Computer Science & Communication Engineering 计算机学院	
Multi-antenna Communications		2	2	School of Computer Science & Communication Engineering 计算机学院		
Communication Network Simulation Technology		2	2	School of Computer Science & Communication Engineering 计算机学院		

		Networks and Collective Behavior	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Advanced Computer Network	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Modern Digital Signal Processing	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Image Processing	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Applications of Wireless Sensor Network	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Electronic Design Automation	2	2	Electrical and information Engineering College 电气学院	
Selective for All 公共选修	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization	2	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing		1		
	Research and Information Literacy II 研究及信息素养 II	Patent application	1	2		
Practical Procedure 实践环节		Special Practice	2	2	School of Computer Science & Communication Engineering 计算机学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2	School of Computer Science & Communication Engineering 计算机学院	

Supplementary Courses 补修课程	Principles of Communication	5	1 or 2	School of Computer Science & Communication Engineering 计算机学院	Two for Trans-disciplinary students 跨专业补修2门
	Signals and Linear Systems	5	1 or 2	School of Computer Science & Communication Engineering 计算机学院	
	Telecommunication Networks	4	1 or 2	School of Computer Science & Communication Engineering 计算机学院	

35.土木工程 Civil Engineering

Course Category 课程类别	Course title 课程名称		Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注	
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Chinese 汉语	4	1,2	Overseas Education College 海外教育学院	Compulsory 必修	
		Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院		
	Fundamental Theories 基础理论	Numerical Analysis 数值分析	2	1	Faculty of Science 理学院		
		Mathematical Statistics 数理统计	2	1	School of Finance 财经学院		
	Professional Foundation or Specialized Courses 专业基础	Processcontrol Instrumentation Technology 过程控制仪表技术	2	2	School of Mechanical Engineering 机械工程学院		Choose at least two 至少选 2 门
		SensorElectronics 传感器电子学	2	1	School of Mechanical Engineering 机械工程学院		
		ErrorTheoryandTestDataProcessing 误差理论与测试数据处理	2	2	School of Mechanical Engineering 机械工程学院		
	Elective Courses 专业选修课	Measurement Technology Basedon Machine Vision 机器视觉测量技术		2	2	School of Mechanical Engineering 机械工程学院	Choose at least three 至少选 3 门
		Non-destructiveTestingTechnology 无损检测技术		2	2	School of Mechanical Engineering 机械工程学院	
Multi-sens or Information Fusion Technology 多传感器信息融合技术		2	1	School of Mechanical Engineering 机械工程学院			
Virtual Instrument Technology and Applications 虚拟仪器技术及应用		2	2	School of Mechanical Engineering 机械工程学院			
Wireless Microcontroller Network		2	2	School of			

	Technology 无线单片机网络技术				Mechanical Engineering 机械工程学院	
	Micro-nano Detection Technology 微纳检测技术		2	1	School of Mechanical Engineering 机械工程学院	
	Digitalsignalprocessing 数字信号处理		2	2	School of Mechanical Engineering 机械工程学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	2	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作		1		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Other Courses 其它课程	Practical Procedure 实践环节	Special Practice 专业实践	2	2	School of Mechanical Engineering 机械工程学院	
	Scientific Frontiers & Symposiums 学术前沿及学术交流		1	1, 2		

36.会计学 Accounting

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	Compulsory Subjects for All Students 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Multivariate Statistical Analysis 多元统计分析	2	1	School of Finance 财经学院	
		Mathematic Statistics 数理统计	2	1	School of Finance 财经学院	
	Professional Foundation or Specialized Courses 专业基础	Accounting Theory and Practice 会计理论和实务	2	1	School of Finance 财经学院	
		Advanced Financial Management 高级财务管理	2	2	School of Finance 财经学院	
		Auditing Theory and Method 审计理论和方法	2	2	School of Finance 财经学院	
Specialized Elective Courses 专业选修课		Accounting Research Method 会计研究方法	2	1	School of Finance 财经学院	Choose at least three 至少选 3 门
		Advanced Management Accounting Research 高级管理会计研究	2	1	School of Finance 财经学院	
		Cost Accounting Research 成本会计研究	2	2	School of Finance 财经学院	
		Advanced Financial Accounting Research 高级财务会计研究	2	1	School of Finance 财经学院	
Selective for All 公共选修 课	Research and Information Literacy I 研究及信息素 养 I	Literature Retrieval & Utilization 文献检索	2	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作		1		
	Research and Information Literacy II 研究及信息素 养 II	Scientific Frontiers 文献研读	1	2		

Practical Procedure 实践环节	Special Practice 专业实践	2	2	School of Finance 财经学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流		1	1, 2		
Supplementary Courses 补修课程	Internal Control and Risk Management 内部控制和风险管理	2	1	School of Finance 财经学院	Two for Trans-disciplinary students 跨专业补修 2 门
	Corporate Financial Analysis 公司财务分析	2	1	School of Finance 财经学院	
	Performance Management 绩效管理	2	1	School of Finance 财经学院	
	International Accounting Principle 国际会计准则	2	2	School of Finance 财经学院	