江苏大学

Jiangsu University

江　苏　大　学

来华留学博士学历项目课程目录

The Curricula for Doctoral Degree Programs Taught in English

江苏大学海外教育学院

Overseas Education College, Jiangsu University

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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**	Mathematic Model 数学模型	2	1	School of Science 理学院	
		Chaos theory 混沌理论	2	1	School of Science 理学院	
	Professional Foundation or Specialized Courses **专业基础**	The Modern integrated manufacturing technology 现代集成制造技术	2	2	School of Mechanical Engineering 机械学院	Choose at least two 至少选 2 门
		Modern control engineering 现代控制工程学	2	2	School of Mechanical Engineering 机械学院	
		Mechanical finite element theory and application 机械有限元理论及应用	2	2	School of Mechanical Engineering 机械学院	
		Strain gradient Plasticity theory 应变梯度塑性理论	2	2	School of Mechanical Engineering 机械学院	
		Micro/nano Technology 微/纳米技术	2	2	School of Mechanical Engineering 机械学院	
		Special Micro fabrication technology 特种微细加工技术	2	2	School of Mechanical Engineering 机械学院	
		Modern Control Engineering 现代控制工程	2	2	School of Automotive and Traffic Engineering 汽车学院	

		Advanced Vehicle Dynamics	2	2	School of Automotive and Traffic Engineering 汽车学院	
		Modeling and Simulation of Vehicle System	2	2	School of Automotive and Traffic Engineering 汽车学院	
		Vehicle Electronic Technology	2	2	School of Automotive and Traffic Engineering 汽车学院	
Specialized Elective Courses 专业选修课		Photon Manufacturing Scientific Basis 光子制造科学基础	2	2	School of Mechanical Engineering 机械学院	Selective 任选
		板料成形理论与力学	2	2	School of Mechanical Engineering 机械学院	
		先进材料制造技术	2	2	机械学院 School of Mechanical Engineering 机械学院	
		Automotive Technologies of Energy-saving and Environment	2	2	汽车学院 School of Automotive and Traffic Engineering 汽车学院	
		Basis of Vehicle Aerodynamics	2	2	汽车学院 School of Automotive and Traffic Engineering 汽车学院	
Public Elective Courses 公共选修课	**Research and Information Literacy Ⅰ 研究及信息素养课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
		Academic Writing 论文写作	1	1		
	Research and Information Literacy Ⅱ 研究及信息素养课Ⅱ	Patent Application 专利申报	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	

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 学位课程	Compulsory Subjects for Public 公共课	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	Choose at least one 至少选 1 门
		Advanced structural material chemistry 高等材料结构化学	2	2	School of Materials Science and Engineering(School of MSE) 材料学院	
	Professional Foundation or Specialized Courses 专业基础课	Advanced X-ray diffraction studies 先进 X 射线衍射分析方法	2	2	School of Materials Science and Engineering(School of MSE) 材料学院	Choose at least one 至少选 1 门
		Materials Chemistry 材料化学	2	2	School of Materials Science and Engineering(School of MSE) 材料学院	
Specialized Elective Courses 专业选修课		Introduction to Energy Materials 能源材料导论	2	2	School of Materials Science and Engineering(School of MSE) 材料学院	Choose at least one 至少选 1 门
		Functional Materials 功能材料	2	2	School of Materials Science and Engineering(School of MSE) 材料学院	
		Science of Composite Materials 复合材料学	2	2	School of Materials Science and Engineering(School of MSE) 材料学院	
		Nanomaterials and Nanotechnology 纳米材料与纳米加工技术	2	2	School of Materials Science and Engineering(School of MSE) 材料学院	

		Chemical synthesis of inorganic materials 无机材料的化学合成	2	2	School of Materials Science and Engineering(School of MSE) 材料学院	
		The characterization in Bionanomaterials 生物纳米材料表征技术	2	2	School of Materials Science and Engineering(School of MSE) 材料学院	
		New Polymer materials 新型高分子材料	2	2	School of Materials Science and Engineering(School of MSE) 材料学院	
Public Elective Courses **公共选修课**	**Research and Information Literacy Ⅰ** **研究及信息素养课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
		Academic Writing 论文写作	1	2		
	Research and Information Literacy Ⅱ **研究及信息素养课Ⅱ**	Patent Application 专利申报	1	2		
Scientific Frontiers & Symposiums **学术前沿及学术交流**			1	1，2	School of Materials Science and Engineering(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**	Mathematic Model 数学模型	2	1	School of Science 理学院	
		Chaos theory 混沌理论	2	1	School of Science 理学院	
	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 one 至少选 1 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 aotomobile 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 aotomobile and traffic engineering 汽车学院	

		Hydrodynamics of Pumps 泵流体力学	2	2	Rearch Center of Fluid Machinery Engineering and Techology 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	Rearch Center of Fluid Machinery Engineering and Techology 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	
Public Elective Courses **公共选修课**	**Research and Information Literacy Ⅰ** **研究及信息素养课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
		Academic Writing 论文写作	1	2		
	Research and Information Literacy Ⅱ **研究及信息素养课Ⅱ**	Patent Application 专利申报	1	2		
Scientific Frontiers & Symposiums **学术前沿及学术交流**			1	1，2	Power Engineering & Engineering ThermophysiCS **动力工程及工程热物理**	

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**	Mathematic 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**	Nonlinear control Theory 非线性控制理论	3	1	School of Electrical and Information Engineering 电气信息工程学院	
Specialized Elective Courses **专业选修课**		Modern AC speed regulation system 现代交流调速系统	2	2	School of Electrical and Information Engineering 电气信息工程学院	Choose at least one 至少选 1 门
		Digital control technology in motor 电机数字控制技术	2	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	2	2	School of Electrical and Information Engineering 电气信息工程学院	
		Differential Equations with Numerical Methods 微分方程的数值解法	2	2	Faculty of Science 理学院	
		Random Image Processing Theory 随机图像处理理论	2	2	Faculty of Science 理学院	
		Complex Network Control and Modeling 复杂网络控制与建模	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
		Academic Writing 论文写作	1	2		
	Research and Information Literacy Ⅱ **研究及信息素养课Ⅱ**	Patent Application 专利申报	1	2		
Scientific Frontiers & Symposiums **学术前沿及学术交流**			1	1，2	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	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	Mathematic model 数学模型	2	1	College of science 理学院	
		Chaos theory 混沌理论	2	1	College of science 理学院	
	Professional Foundation or Specialized Courses 专业基础	Road Vehicles Control Theory and Method 道路车辆控制理论与方法	2	2	School of Automobile 汽车学院	Choose at least one 至少选 1 门
		Vehicle Dynamic Structure Design Theory and Application 车辆结构动态设计理论方法及应用	2	2	School of Automobile 汽车学院	
		Higher Traffic Transport Engineering 高等交通运输工程学	2	2	School of Automobile 汽车学院	
		Traffic Safety Engineering 交通安全工程学	2	2	School of Automobile 汽车学院	
Specialized Elective Courses 选修课		Traffic and Transportation Engineering Forward Review 交通运输工程学科前沿综述	2	2	School of Automobile 汽车学院	Choose at least one 至少选 1 门
		Modern Automobile Tire Technology 现代汽车轮胎技术	2	2	School of Automobile 汽车学院	
		Comprehensive Energy Save Theory and Techniques of Road Vehicle 公路运输工具综合节能理论与技术	2	2	School of Automobile 汽车学院	

		Advanced traffic and Transportation System 先进交通运输系统	2	2	School of Automobile 汽车学院	
Public Elective Courses **公共选修课**	**Research and Information Literacy Ⅰ** **研究及信息素养课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
		Academic Writing 论文写作	1	2		
	Research and Information Literacy Ⅱ **研究及信息素养课Ⅱ**	Patent Application 专利申报	1	2		
Scientific Frontiers & Symposiums **学术前沿及学术交流**			1	1、2	School of Automobile 汽车学院	

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	Mathematic Model 数学模型	2	1	School of Science 理学院	
		Chaos theory 混沌理论	2	1	School of Science 理学院	
	Professional Foundation or Specialized Courses 专业基础	Advanced Agricultural Machinery Principles 高等农业机械原理	2	2	School of Agricultural Equipment Engineering 农装院	Choose any two 必修 2 门
		Water and Fertilizer Function of Plant Biogeochemistry 植物土壤水肥作用	2	2	School of Agricultural Equipment Engineering 农装院	
		Computer Vision Technique in Biomechatronics 农业工程中的计算机视觉技术	2	2	School of Agricultural Equipment Engineering 农装院	
		Modern Power Electronic Technique and Theory 计算机控制理论与系统设计	2	2	School of Agricultural Equipment Engineering 农装院	
		Computer Control Theory and System Design 现代电气传动理论与技术	2	2	School of Agricultural Equipment Engineering 农装院	
Specialized Elective Courses 专业选修课		Environmental Control of Agricultural Biosystems 农业生物环境控制学	2	2	School of Agricultural Equipment Engineering 农装院	Choose at least one 至少选 1 门

		Modeling and Control of Mechanical Systems 机械系统建模与控制	2	2	School of Agricultural Equipment Engineering 农装院	
		Monitoring and Control Technology in Agricultural Equipment 农业装备监测与控制	2	2	School of Agricultural Equipment Engineering 农装院	
		Theory & Control of Power Quality 电能质量理论与控制	2	2	School of Agricultural Equipment Engineering 农装院	
		Computer Network and Communication Technique 计算机网络与通信技术	2	2	School of Agricultural Equipment Engineering 农装院	
		Agro hydrology 农田水文	2	2	School of Agricultural Equipment Engineering 农装院	
		Testing Principles and Technical of Plant adversity 种植机械设计理论与分析方法	2	2	School of Agricultural Equipment Engineering 农装院	
		Testing Principles and Technical of Plant adversity 植物逆境检测原理及技术	2	2	School of Agricultural Equipment Engineering 农装院	
		Biological and Environmental Parameter Detection and Control Focus 环境与生物参数监测及控制	2	2	School of Electrical and Information Engineering 电气学院	
Public Elective Courses **公共选修课**	**Research and Information Literacy Ⅰ** **研究及信息素养课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
		Academic Writing 论文写作	1	2		

	Research and Information Literacy Ⅱ 研究及信息素养课Ⅱ	Patent Application 专利申报	1	2		
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1，2	School of Agricultural Equipment Engineering 农装院	

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	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	Mathematic Model 数学模型	2	1	School of Science 理学院	
		Statistics 数理统计	2	1	School of Finance and Economics 财经学院	
	Professional Foundation or Specialized Courses 专业基础	Advanced environmental ecology 高等环境生态学	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 technology 高等环境分析化学	2	1	School of the Environment and Safety Engineering 环境与安全工程学院	
		Advanced environmental microbiology and Engineering 高等环境微生物学与工程	2	1	School of the Environment and Safety Engineering 环境与安全工程学院	
		Modern environmental chemistry 现代环境化学	2	1	School of the Environment and Safety Engineering 环境与安全工程学院	
		Advanced biotechnology in environmental science 先进生物技术在环境科学中的应用	2	1	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 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	Choose at least one 至少选 1 门
		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	

		Progress in water pollution control 水污染控制进展	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	
		Modern Environmental Analysis and Technology 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	
		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	
		Advanced Enzymology 高级酶学	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	
		Advances in bioresources and bioengineering 生物资源与生物工程进展	2	2	School of the Environment and Safety Engineering 环境与安全工程学院	
		Plant fiber chemistry and physics 植物纤维化学与物理	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	
		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	
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 海外教育学院	Selective 任选
		Academic Writing 论文写作	1	2		
	Research and Information Literacy Ⅱ **研究及信息素养Ⅱ**	Patent Application 专利申报	1	2		
Scientific Frontiers & Symposiums **学术前沿及学术交流**			1	1,2	School of the Environment and Safety Engineering 环境与安全工程学院	

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	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
		Chinese 汉语	3	1,2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Mathematic Model 数学模型	2	1	School of Science 理学院	Choose at least one 至少选 1 门
		Chaos theory 混沌理论	2	1	School of Science 理学院	
	Professional Foundation or Specialized Courses 专业基础	ModernFood Chemistry 现代食品化学	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	Choose at least two 至少选 2 门
		Advanced Instrumental Analysis 高级仪器分析	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	
		Advanced Food Microbiology 高级食品微生物学	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	
		Novel Nondestructive Detection Techniques for Food Quality 食品无损检测新技术	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	
		The methodology of Food Science and Technology Research Area 食品科学与技术研究方法	2	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		Modern Processing Equipment for Agricultural Products 现代农产品加工设备	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	Choose at least one 至少选 1 门
		Food Separation Technique 食品分离技术	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	
		Introduction to Biotechnology 生物技术导论	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	

		Developmentin the Storage and Preservation of Agricultural Products 农产品保鲜储藏新技术进展	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	
		Image Recognition 图像识别	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	
		Functional Foods 功能食品	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	
		Modern Nutriology 现代营养学	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	
		Food Safety 食品安全学	2	1,2	School of Food and Biological Engineering 食品与生物工程学院	
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
		Academic Writing 论文写作	1	2		
	Research and Information Literacy Ⅱ 研究及信息素养课Ⅱ	Patent Application 专利申报	1	2		
Scientific Frontiers &Symposiums 学术前沿及学术交流			1	1,2	School of Food and Biological Engineering 食品与生物工程学院	

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	Compulsory Subjects for all Students 公共必修	Overview of China 中国文化概述	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	Econometric Model 经济计量模型	2	1	School of Management 管理学院	Choose at least three 至少选 3 门
		System Methods and Applications 系统方法与应用	2	2	School of Management 管理学院	
	Professional Foundation or Specialized Courses 专业基础	Game Theory(II) 博弈论(II)	2	2	School of Management 管理学院	
		Management Research Method 管理学研究方法	2	2	School of Management 管理学院	
		Multivariate Statistical Analysis 多元统计分析	2	1	School of Management 管理学院	
Specialized Elective Courses 专业选修课		Public Administration 公共管理学	2	2	School of Management 管理学院	Choose at least one 至少选 1 门
		Strategic Planning and Management 战略策划与管理	2	1	School of Management 管理学院	
		Entrepreneurial Management 创业管理	2	1	School of Management 管理学院	
		Modern Human Resource Management 现代人力资源管理	2	2	School of Management 管理学院	
		Environment Behavior and Management 环境行为与管理	2	1	School of Management 管理学院	
		Agricultural Economy Management 农业经济管理	2	1	School of Management 管理学院	

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<tr><td rowspan="2"></td><td colspan="2">Senior Health Management
高级卫生事业管理</td><td>2</td><td>1</td><td>School of Management
管理学院</td><td rowspan="2"></td></tr>
<tr><td colspan="2">Financial Institution Management
金融机构管理</td><td>2</td><td>2</td><td>School of Management
管理学院</td></tr>
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研究及信息素养课（公共选修）Ⅰ</td><td>Literature Retrieval & Utilization
文献检索</td><td>1</td><td>1</td><td rowspan="3">Graduate School Overseas Education College
研究生院
海外教育学院</td><td rowspan="4">Selective
任选</td></tr>
<tr><td>Academic Writing
论文写作</td><td>1</td><td>2</td></tr>
<tr><td>Research and Information LiteracyⅡ
研究及信息素养课（公共选修）Ⅱ</td><td>Patent Application
专利申报</td><td>1</td><td>2</td></tr>
<tr><td colspan="3">Scientific Frontiers & Symposiums
学术前沿及学术交流</td><td>1</td><td>1，2</td><td>School of Management
管理学院</td></tr>
</table>

10.力学(固体力学二级学科博士点)Mechanics（ Solid 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	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	Choose at least two 必修 2 门
		Functional Analysis 泛函分析	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	Continuum Mechanics Advanced 高等连续介质力学	2	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
		Advanced Structural Dynamics and Design 高等结构动力学理论与设计	2	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	
		Complex System and Its Application 复杂系统理论及其应用	2	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	
		Micro/nano and Meso-mechanics 微纳米力学和细观力学	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 Smart Structure 智能材料与结构力学	2	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
		Advanced Fracture Mechanics 高等断裂力学	2	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	
		Symbolic Dynamics 符号动力学	2	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	

		Nonlinear Behaviors of Large Structure and Application 大型结构非线性行为及控制	2	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	
		Reliability Analysis and Life Prediction 系统可靠性分析与寿命预测	2	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	
公共选修课	**Research and Information Literacy Ⅰ 研究及信息素养课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
		Academic Writing 论文写作	1	2		
	Research and Information Literacy Ⅱ 研究及信息素养Ⅱ	Patent Application 专利申报	1	2		
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1，2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	
Supplementary courses 补修课程		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 for Trans-Disciplinary Students 跨学科或同等学力入学至少补修 2 门
		Vibration & Model Analysis 振动及模态分析（含非线性振动）	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	
		Chaos Theory and Control 混沌理论及其控制	4	2	Faculty of Civil Engineering and Mechanics 土木工程与力学学院	

11.电气工程（电力电子与电力传动二级学科博士点）Electric Engineering (Power Electronics and Power Drives)

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
		Chinese 汉语	3	1，2	Overseas Education College 海外教育学院	
	Fundamental Theories **基础理论**	Mathematic 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**	Modern Power Electronic Theory and Technology 现代电力电子技术	3	2	School of Electrical and Information Engineering 电气信息工程学院	
Specialized Elective Courses **专业选修课**		Modern AC speed regulation system 现代交流调速系统	2	2	School of Electrical and Information Engineering 电气信息工程学院	Choose at least one 至少选 1 门
		Digital control technology in motor 电机数字控制技术	2	2	School of Electrical and Information Engineering 电气信息工程学院	
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
		Academic Writing 论文写作	1	2		
	Research and Information Literacy Ⅱ **研究及信息素养课Ⅱ**	Patent Application 专利申报	1	2		
Scientific Frontiers & Symposiums **学术前沿及学术交流**			1	1，2	School of Electrical and Information Engineering 电气信息工程学院	

12.计算机科学与技术（计算机应用技术二级学科博士点）Computer Applied Technology（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**	Mathematic Model 数学模型	2	1	School of Science 理学院	
		Chaos theory 混沌理论	2	1	School of Science 理学院	
	Professional Foundation or Specialized Courses **专业基础**	Cloud Computing Technology	2	1	School of Computer Science and Communication Engineering 计算机学院	
		Machine Learning and Its Application	2	1	School of Computer Science and Communication Engineering 计算机学院	
Specialized Elective Courses **专业选修课**		Theory and Technology of Information Retrieval	2	2	School of Computer Science and Communication Engineering 计算机学院	Choose at least one 至少选 1 门
		Pattern Analysis	2	2	School of Computer Science and Communication Engineering 计算机学院	
		Advanced Computer Communication Technology	2	2	School of Computer Science and Communication Engineering 计算机学院	
		New Technology of Information Security	2	1	School of Computer Science and Communication Engineering 计算机学院	

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研究及信息素养课Ⅰ</td><td>Literature Retrieval & Utilization
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计算机学院</td></tr>
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13.临床医学(临床检验诊断学二级学科博士点)Clinic Medicine(Clinical Laboratory Diagnostics)

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
		Chinese 汉语	3	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories Courses **基础理论**	Advanced Statistics 医学统计学	2	1	School of Medicine School of Pharmac 医学院、药学院	Choose at least two 至少选 2 门
		Current Immunology 现代免疫学	2	1	School of Medicin 医学院	
		Advanced Molecular Biology 高级分子生物学	2	1	School of Medicin 医学院	
	Professional Foundatio or Specialized Courses **专业基础**	Clinical Laboratory Diagnostics	2	1	School of Medicin 医学院	Choose at least two 至少选 2 门
		Stem Cell Biology	2	1	School of Medicin 医学院	
		Molecular Hematology	2	1	School of Medicin 医学院	
Specialized Elective Courses **专业选修课**		Antibody Engineering	2	1	School of Medicin 医学院	School of Medicin 医学院
		Diagnostic Technique for Microbiology	2	1	School of Medicin 医学院	
		Molecular Pathogenic Biology	2	1	School of Medicin 医学院	

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医学院</td></tr>
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