

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	