

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	
	Fundament al 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 研究及信息素养课 II	Patent Application 专利申请	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	