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学位课	公共必修课		First Foreign Language	2	72	2	
			Theory and Practice of Socialism with Chinese Characteristics	2	36	1	
			Dialectics of Nature	1	18	1	
			Numerical Analysis	3	54	1	
			Mathematical Statistics	3	54	1	
			Continuum Mechanics	2	36	1	
	研究方向必修课		Mechanical Behavior of Materials	2	36	1	
			Mesomechanics	2	36	2	
			Damage Mechanics	2	36	1	
			Nonlinear FEM	2	36	2	
			Advanced Fracture Mechanics	2	36	2	
			Advanced Composite Mechanics	2	36	2	
			Advanced Rock Mechanics	2	36	2	
			Programming for Structural Analysis	2	36	1	
			Nonlinear Vibration	2	36	2	
			Random Vibration	2	36	2	
			Idenfication Theory of Modes	2	36	2	
			Optimization Theory for Engineering Structures	2	36	2	
			Elasticity and Plasticity				
			Finite Element Method				
			Dynamics of Structures				

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			Numerical Analysis	3	54	1	
			Mathematical Statistics	3	54	1	
			Continuum Mechanics	2	36	1	
	研究方向必修课		Nonlinear Vibration	2	36	2	
			Random Vibration	2	36	2	
			Optimization theory for Engineering Structures	2	36	2	
			Nonlinear FEM	2	36	2	
			Idenfication Theory of Modes	2	36	2	
选修课			Advanced Fracture Mechanics	2	36	2	
			Advanced Composite Mechanics	2	36	2	
			Programming for Structural Analysis	2	36	1	
			Mechanical Behavior of Materials	2	36	1	
			Mesomechanics	2	36	2	
			Damage Mechanics	2	36	1	
			Advanced Rock Mechanics	2	36	2	
			Dynamic Test and Examine for Structure	2	36	2	
			Elasticity and Plasticity				
			Finite Element Method				
			Dynamics of Structures				

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	公共必修课		First Foreign Language	2	72	2	
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			Mathematical Statistics	3	54	1	
			Elasticity and Plasticity	3	54	1	
	研究方向必修课		Finite Element Method	3	54	1	
			Advanced Soil Mechanics	2	36	2	
			Rock mechanics	2	36	2	
			Testing and Detecting of Geotechanical Eingineering	2	36	2	
			Matrix Theory	3	54	1	
			Geoenvironmental Engineering	2	36	2	
			Constitutive Law of Soils	1	36	2	
			Geosynthetics	2	36	2	
			Theory of Pile Foundation	2	36	2	
			Slope Seepage and Stability Analysis	3	54	2	
			Theory of Landslide	2	36	2	
			Rheological Mechanics for Rock & Soil	2	36	2	
			Intelligent Rock Mechanics	2	36	2	
			Permeability Property of Fissure Medium	2	36	2	

		Stability Analysis of Surrounding Rocks in Underground Engineering	2	36	2	
		Control to Stability of Undergroud Engineering	2	36	2	
		Monitoring and Analysis in Underground Engineering	2	36	2	
		Soil Mechanics				
		Foundation Engineering				

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			Numerical Analysis	3	54	1	
			Mathematical Statistics	3	54	1	
			Elasticity and Plasticity	3	54	1	
	研究方向必修课		Finite Element Method	3	54	1	
			Advanced Theory of Steel Structure	2	36	1	
			Stability Theory of Structures	2	36	1	
			Advanced Reinforced Theory of Concrete Structure	2	36	1	
			Seismic Resistance of Engineering Structure	2	36	1	
			Structure Reliability	2	36	1	
选修课			Matrix theory	3	54	1	
			The Nonlinear Finite Element Method	2	36	2	
			Dynamics of Structures	2	36	2	
			FEM Software for General Purpose and Its Applications	2	36	2	
			Long Span Steel Structure	2	36	2	
			Design of Tall Building Structure	2	36	2	
			Design Principle for Composite Structures of Steel and Concrete	2	36	2	
			Modern Concrete New Theory&Technology	2	36	2	

		Program Design for Reinforced Concrete Structures Analysis	2	36	2	
		Design for Durability of Concrete Structure	2	36	2	
		Reinforcement Theory and Its Application for Engineering Structures	2	36	2	
		The Testing and Measuring Structural Engineering	2	36	2	
		Modern Prestressed Concrete Structure	2	36	1	
补修课		Basic Principle of Concrete Structure				
		Principle of Steel Structure				

学位课	公共必修课		First Foreign Language	2	72	2	
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			Numerical Analysis	3	54	1	
			Mathematical Statistics	3	54	1	
	专业必修课		Fluid Mechanics	3	54	1	
	研究方向必修课		Fuzzy Mathematics	2	36	1	
			Practice & Equation of Mathematical Physics	3	54	2	
			The Principle of Water Quality Control	3	54	2	
			Lectures of New Technology of Water and Drainage Engineering	2	36	2	
			Matrix Theory	3	54	1	
			The Principle and Application of Fire Protection Engineering	2	36	2	
			Analyses and Control of the Unsteady Flow in Pipe Net	2	36	2	
			Water Quality Analysis & Application of Instruments	2	36	2	
			Microbial Ecology of Water Quality Control	2	36	2	
			Simulation & Control of Water Supply and Drainage Technology	2	36	2	
			The Optimization Theory and Design of Water Distribution and Drainage System	2	36	2	
			Water Quality Engineering				
			Water Quality Engineering				

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			Dialectics of Nature	1	18	1	
			Numerical Analysis	3	54	1	
			Mathematical Statistics	3	54	1	
	研究方向必修课		Catastrophism Seismic Resistance of Engineering	2	36	1	

		Nonlinear Vibration	2	36	2	
		The Optimization Theory and Design of Water Distribution Drainage System	2	36	2	
		Basic Principle of Concrete Structure				
		Principle of Steel Structure				

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			Dialectics of Nature	1	18	1	
			Numerical Analysis	3	54	1	
			Mathematical Statistics	3	54	1	
	学科通开课		Elasticity and Plasticity	3	54	1	
	研究方向必修课		Finite Element Method	3	54	1	
			Bridge Stability and Dynamics	2	36	2	
			Higher Theory of Bridge Structure	2	36	2	
			Stability Analysis of Surrounding Rocks in Underground Engineering	2	36	2	
			Tunnel Engineering	2	36	2	
选修课			Matrix Theory	3	54	1	
			Seismic Design of Bridge Structure	2	36	2	
			Reliability Theory of Bridge Structure	2	36	2	
			Security Control and Health Assessment of Bridges	2	36	2	
			Risk Theory and Application of Bridge Engineering	2	36	2	
			Design Theory and Application of Modern Bridges	2	36	2	
			Rock Mechanics	2	36	2	
			Rheological Mechanics for Rock & Soil	2	36	2	
			Control to Stability of Undergroud Engineering	2	36	2	

		Monitoring and Analysis in Underground Engineering	2	36	2	
	I	Bridges Structure I				
		Roch Mechanics and Engineering				

学位课	公共必修课		First Foreign Language	2	72	2	
			Theory and Practice of Socialism with Chinese Characteristics	2	36	1	
			Dialectics of Nature	1	18	1	
			Matrix Theory	3	54	1	
			Mathematical Statistics	3	54	1	
	专业必修课		Engineering Economics	2	36	2	
	研究方向必修课		Modern Construction Technology	2	36	2	
			Modern Enterprise Management	2	36	1	
			Operational Research	3	54	1	
选修课			Real Estate Investment Analysis and Decision-making	2	36	2	
			Project Risk Management	2	36	2	
			Real Estate Appraisal	2	36	2	
			International Project Management	2	36	1	
			The Management of Investment	2	36	2	
			Civil Engineering Construction				
			Reinforced Concrete Structure				

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	公共必修课		First Foreign Language	2	72	2	
			Theory and Practice of Socialism with Chinese Characteristics	2	36	1	
			Dialectics of Nature	1	18	1	
	学科通开课		Modern Environmental Science	2	36	1	
			Modern Environmental Biotechnology	2	36	2	
			Modern Environmental Management	2	36	2	
			Pollution Prevention and Environmental Remediation	2	36	2	
			Eco-materials	2	36	2	
			Advanced Environmental Engineering	2	36	1	
	研究方向必修课		Environmental System Modeling and Realization	2	36	2	
			Principles of Environmental Engineering	2	36	2	
			The Principle of Water Quality Control	3	54	2	
			Lectures of New Technology of Water and Drainage Engineering	2	36	2	
			Modern Environmental Instrument Analysis Experiment	2	36	2	
			Matrix Theory	3	54	1	
			Biology of Water Quality Control	2	36	1	
			Computer Simulation and Control of Water Engineering	2	36	1	

		Water Supply Engineering				