

3 6 4 2  
2 5 3 1  
5 6 7  
2 4 1 2  
18 6 18 12  
9 3 30  
18 9 3 1-2  
20 5 25

2 - 3

3

70

60

75

60

20

10

1

1

80

50%

5000

40%

3000

30

1

1

SCI

2

1

1

SCI

SSCI

AHCI

2

2

SCI

EI

1

3 3

CSSCI

3

1

5

3

2

SCI EI

2



0101  
Philosophy  
01

- 1 Marxist philosophy
- 2 Philosophy of Science and Technology
- 3 Ethics

10                      3                      31                      18

18		First Foreign Language	108	4		
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	0908M04	Selected Reading on Marxist Philosophy's Sutra Literature	36	2		4
	0901M05	classical work of science and technology philosophy	36	2		
	0909M01	Readings on Original Works on Ethics	36	2		
	0909M04	Ethics	36	2		4
	0908M03	Special Topic on Materialistic Dialectics	36	2		
	0901M14	Philosophy of Science and Technology Basic Theory	36	2		
	0908M02	The History of Marxist Philosophy	36	2		4
	0901M04	History of Science and Technology	36	2		
	0909M03	The History of Western Ethics Thoughts	36	2		
	10	0900M15	Marxism and Methodology of Social Sciences	18	1	
0909M05		Ethics Application	36	2		
0906M08		Marxist Philosophy Frontier	36	2		
0908M01		The History of Western philosophy	36	2		
0901M07		Science and Technology Studies	36	2		
0901M09		Sociology of Science and knowledge	36	2		
0901M13		Science Technology and Social Issues	36	2		
0909M02		The History of Chinese Ethics Thoughts	36	2		
0000M10		Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		

Population Resources and Environmental Economics

02

0201

1	Population Economics		
2	Environmental Economics		
3	Resource Economics		
4	Sustainable Development Economics		
		31	18
10	3		



		First Foreign Language	108	4	
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2	
	0899M09	Advanced Economics	36	2	
	0899M08	Advanced Management	36	2	
	0899M51	Applied Statistics and Econometric Models	36	2	4
	0899M22	Modern Decision Methods	36	2	
	0899M56	Advanced Operations Research	36	2	
	0899M53	Regional Economics	36	2	
	0814M05	Population Economics	36	2	
	0899M24	Resource and Environmental Economics	36	2	4
	0899M35	Economic Geography Information System	36	2	
	0899M23	Industrial Organizational Theory	36	2	
	0899M29	Economic Game Theory	36	2	
	0814M03	Assessment and Warning of Environmental Disasters	36	2	
	0899M26	Analysis of Input and Output	36	2	
	0814M51	Economics of Water Resources	36	2	
	0899M52	Technical Economics of Water Resources	36	2	
	0814M52	Economics of Regulation	36	2	

0202

Applied Economics

02

0202

1

2

3

4

1 National Economics

2 Industrial Economics

3 Regional Economics

4 Finance

5 International Trade Theory

31

18

10

3

18		First Foreign Language	108	4		
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	0899M09	Advanced Economics	36	2		4
	0899M08	Advanced Management	36	2		
	0899M51	Applied Statistics and Econometric Models	36	2		
	0899M22	Modern Decision Methods	36	2		
	0899M56	Advanced Operations Research	36	2		
	0899M53	Regional Economics	36	2		
	0899M24	Resource and Environmental Economics	36	2		
	0816M01	Investment	36	2		
	0899M23	Industrial Organizational Theory	36	2		
	0810M01	International Economics	36	2		
	0899M29	Economic Game Theory	36	2		
	0899M26	Analysis of Input and Output	36	2		4
	0833M50	Securities Investment Analysis	36	2		
	0833M51	Commercial Bank Management Theory	36	2		
	0899M52	Technical Economics of Water Resources	36	2		
	10	0900M15	Marxism and Methodology of Social Sciences	18	1	
0899M27		Development Economics	36	2		
0899M28		New Institutional Economics	36	2		
0899M35		Economic Geography Information System	36	2		
0833M52		International Investment	36	2		
0000M10		Comprehensive Quality	18	1		
			36	2		
			1			
3						

0301

Law

03

0301

1	Science of environment and natural resources protection		
law			
2	Civil law and commercial law		
3	Constitutional law and administrative law		
		32	20
9	3		



0302

Political

03

- 1 Political theory
- 2 Chinese and foreign political system
- 3 Political sociology
- 4 Environmental politics

30

18

9

3



0303

Sociology

03

1	Migration and Resettlement Sociology		
2	Rural and Urban Sociology		
3	Environmental Sociology		
4	Social Assessment		
5	Migration and Mobility		
6	Cultural Anthropology		
		31	18
10	3		



18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	0903M17	sociology theory	36	2		4	
	0916M01	Demography Theory	36	2			
	0903M03	Anthropological Theory	36	2			
	0903M02	1 Social Research Methods I	36	2		4	
	0903M05	2 Social Research Methods II	36	2			
	0903M18	Social statistics	36	2			
	0903M06	Migration and Resettlement Sociology	36	2		4	
	0903M07	Rural Sociology	36	2			
	0903M08	Environmental Sociology	36	2			
	0903M19	Social Assessment	36	2			
	0916M04	Migration and Mobility	36	2			
	10	0900M15	Marxism and Methodology of Social Sciences	18	1		
		0903M20	original works of western sociology	36	2		6
0903M10		Urban Sociology	36	2			
0903M11		Economic Sociology	36	2			
0903M14		Sociology of development	36	2			
0903M16		History of Chinese Society	36	2			
0916M05		Population Sociology	36	2			
0916M12		Population Resources and Environmental Economics	36	2			
0915M05		Gender and Family	36	2			
0915M04		Nationality and Religion	36	2			
0000M10		Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

Marxism Basic Theory

03

0305

1	Study of Marxism Basic Theory		
2	Study of Marxism Education		
3	Study of Marxism And Social Development		
4	Study of Marxism s Development in China		
		31	18
10	3		

18		First Foreign Language	108	4		
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	0900M03	Readings on Original Works of Marxism	36	2		
	0906M01	Topics in History of Marxism	36	2		
	0902M02	Research Techniques of Social Sciences	36	2		
	0906M03	Study of Marxism Basic Theory	36	2		
	0906M04	Study of Marxism Education	36	2		
	0906M05	Study of Marxism s development in China	36	2		
10	0900M15	Marxism and Methodology of Social Sciences	18	1		
	0906M07	Contemporary Marxism Overseas	36	2		
	0906M06	Marxism and Contemporary Social Development	36	2		
	0906M09	Marxist Theory Frontier	36	2		
	0000M10	Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		

030505

Ideological and Political Education

03

0305

1	Theory and Practice of Ideological and Political Education	
2	Comparative Ideological and Political Education	
3	Sociology of Ideological and Political Education	
4	Ideological and Political Education & Affairs Management of College Students	
		31
		18
10	3	

18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	0906M08	Readings on Original Works of Marxism	36	2			
	0906M01	Topics in History of Marxism	36	2			
	0902M01	History of Ideological and Political Education	36	2			
	0902M02	Research Techniques of Social Sciences	36	2			
	0902M03	Theory and Methods of Ideological and Political	36	2			
	0902M04	Comparative Ideological and Political Education	36	2			
10	0900M15	Marxism and Methodology of Social Sciences	18	1			
	0902M05	Ideological and Political Education & Affairs Management of College Students	36	2			6
	0902M06	Sociology of Ideological and Political Education	36	2			
	0902M08	Traditional Culture and Ideological and Political Education	36	2			
	0902M09	Philosophy of Ideological and Political Education	36	2			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

040106

Higher Education

04

0401

1 Elementary Theories of Higher Education

2 Higher Education Management

3 College Moral Education and Student Affairs

4 Comparative Higher Education

30

18

9

3

18		First Foreign Language	108	4		
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	0904M01	Selected Reading of Classics on Education	36	2		
	0904M02	Education Philosophy	36	2		
	0904M04	Higher Education	36	2		
	0904M03	World History of Higher Education	36	2		
	0904M05	Higher Education Management	36	2		
	0904M08	Education Ethics	36	2		
9	0900M15	Marxism and Methodology of Social Sciences	18	1		5
	0902M02	Research Measures of Education	36	2		
	0904M16	Education Economics	18	1		
	0904M17	Education Evaluation	18	1		
	0904M13	Higher Education on Water Resources	18	1		
	0904M14	Higher Engineering Education	18	1		
	0904M15	College Moral Education	18	1		
	0000M10	Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		

040203

Applied psychology

04

0402

1 Mental health and education

2 Social and managerial psychology

3 Applied developmental psychology

31

18

10

3



18		First Foreign Language	108	4		
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	0910M01	Personality Psychology	36	2		
	0910M02	Theories and Designs of Psychological Experiment	36	2		
	0910M09	Psychological Consultation and Therapy	36	2		
	0910M04	Advanced Psychology Measure	36	2		
	0910M05	Educational Psychology	36	2		
	0910M07	New Development of Psychology	36	2		2
0910M03	Social and Managerial psychology	36	2			
10	0900M15	Marxism and Methodology of Social Sciences	18	1		
	0910M06	Quasi – Experiment of Psychological Research Method	36	2		
	0910M10	Abnormal Psychology	36	2		
	0910M08	Psychology of Moral Development	36	2		
	0000M10	Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		

040303

Theory of Sports Pedagogy and Training

04

0403

1	Sport Training & Management		
2	Health Fitness physical Education & Methods		
3	College PE Programs and Education Teaching		
Theories			
4	Physical Education & Sport Training		
		30	18
9	3		

18			First Foreign Language	108	4		
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
		1501M01	Physiology of Sport and Exercise	36	2		
		1501M02	Study Methods for Sports Science	36	2		
		1501M03	PE Programs and Education Theory	36	2		
		1501M04	Traditional Chinese Methodology of Life Cultivation	36	2		
		1501M05	Principles of PE Management	36	2		
		1501M06	Sport Training	36	2		
9		0900M15	Marxism and Methodology of Social Sciences	18	1		
		1501M07	Theory and Practice in Traditional Chinese Exercises	90	5		5
		1501M08	Balls Teaching Training and Research Projects	90	5		
		1501M09	Bodybuilding and Bodyshaping	90	5		
		1501M10	Track and Field Teaching Training and Research Projects	90	5		
		0000M10	Comprehensive Quality	18	1		
				36	2		
3					1		
					1		
					1		

050101

Literature and Art Science

05

0501

1 Writing

2 Literature Criticism

3 Media Culture

31

18

10

3

18		First Foreign Language	108	4		
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	0911M01	Introduction to classic works of literature and art	36	2		
	0911M03	The aesthetics of literature and art	36	2		
	0911M08	Modern writing	36	2		
	0911M04	Literature and art conspectus of Ancient china	36	2		
	0911M05	Literature and art conspectus of The present western age	36	2		
	0911M07	The theory and practice of literature and art criticism	36	2		
10	0900M15	Marxism and Methodology of Social Sciences	18	1		
	0911M12	Visual Culture	36	2		
	0911M06	The research of modern writer s works	36	2		
	0911M13	Cultural Criticism and Media Communication	36	2		
	0000M10	Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		

050201

English Language and Literature

05

0502

1	Linguistics and Applied Linguistics
2	English and American Literature
3	Translatology

31

18

10

3

18		1101M22	Second Foreign Language Japanese	108	4	4
		1101M23	Second Foreign Language French	108	4	
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2	
		1101M01	Cross - cultural Communication	36	2	4 - 6
		1101M02	Semantics	36	2	
		1101M03	Academic Writing	36	2	
		1101M04	Modern Western Literary Theories	36	2	4 - 6
		1101M05	Contrastive Studies of English and Chinese	36	2	
		1101M06	Theory and Practice of Translation	36	2	
		1101M07	Applied Linguistics	36	2	2 - 4
		1101M11	Modern and Contemporary British and American Literature	36	2	
10	0900M15	Marxism and Methodology of Social Sciences	18	1	6	
	1101M12	Studies of Classics	36	2		
	1101M14	Corpus Linguistics	36	2		
	1101M15	History of Translation Culture	36	2		
	1101M17	Linguistics and Computer Application	36	2		
	0000M10	Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		

050302

Communication Science

05

0503

1 Communication Science Theory and Practice

2 Culture Communication

3 Film and TV Communication

30

18

9

3



18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	0912M01	Introduction to classic works of media study	36	2			
	0912M03	communication theories	36	2			
	0912M02	The research of news consensus	36	2			
	0912M04	Media theories	36	2			
	0912M06	Research of television	36	2			
	0912M15	Cinema and TV Communication	36	2			
9	0900M15	Marxism and Methodology of Social Sciences	18	1			
	0912M07	The research of Internet and information transmission	36	2			5
	0912M08	Transmission system and policy	36	2			
	0912M16	Audio – visual language	18	1			
	0912M10	Public relations	18	1			
	0912M11	The theory and methods of editor	18	1			
	0912M17	Study on Documentary Films	18	1			
	0912M12	The theory and practice of advertisement	18	1			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

0701

Mathematics

07

1	Pure Mathematics		
2	Computational Mathematics		
3	Probability and Mathematical Statistics		
4	Applied Mathematics		
5	Operational Research and Control Theory		
		30	18
9	3		

18

		First Foreign Language	108	4	
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2	
	1002M02	Modern Analysis	36	2	
	1001M15	Abstract Algebra	36	2	
	1002M46	Linear Partial Differential Equations	36	2	
	1001M05	Differential Equations and Dynamical Systems	36	2	
	1002M11	Advanced Mathematical Statistics	36	2	
	1002M30	Theory of Optimization	36	2	
	1001M02	Nonlinear Functional Analysis	36	2	
	1002M47	Multivariate Statistics Analysis	36	2	
	1002M13	Nonlinear Partial Differential Equations	36	2	
	1002M48	C      ta      2Sys			

## Condensed Matter Physics

1	Nano – optoelectronics Technology	
2	Design and calculation research of nanomaterials	
3	Preparation and properties research of nanomaterials	
4	Thin Film Physics	
5	Magnetism in solids	
		30
		19
8	3	

19		First Foreign Language	108	4		5
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	1000M01	Fundamentals of Matrix Theory	36	2		
	1000M02	Numerical Analysis	54	3		
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3		
	1004M05	Advanced Quantum Mechanics	54	3		2
	1004M07	Fundamental of Materials	36	2		
	1004M02	Advanced Measurement Technical	36	2		
	1004M01	Group Theory and Application in Solid Physics	36	2		
	1004M04	Solid Magnetism	36	2		2
	1004M15	Thin Film Physics	36	2		
	1004M16	Nano Optics	36	2		
	1004M17	Solid Quantum Chemistry	36	2		
	8	0900M16	Dialectics of Nature	18	1	
1004M18		Fourier Optics	36	2		
1004M19		Design and calculation research of nano materials	36	2		
1004M20		Guiding Optics	36	2		
0000M10		Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		

070501

Physical Geography

07

0705

21

1	Geographic Environment Changes and Hydrological
Effects	
2	Fluvial and Coastal Geomorphology
3	Natural Resources and Environment Management

32

19

10

3

19		First Foreign Language	108	4		
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	1000M01	Matrix Theory	36	2		5 – 6
	1000M18	Mathematical Statistics	54	3		
	1000M03	Methods of Optimization	54	3		
	1000M02	Numerical Analysis	54	3		
	0105M01	Contemporary Geomorphology	36	2		4
	1601M17	Quaternary Environment Change	54	3		
	1601M13	Global Change	36	2		
	1601M03	Geo – Analysis with Remote Sensing	36	2		1
	1601M04	Contemporary Cartography	36	2		4
	1601M15	Regional Planning	36	2		
	0101M29	Eco – hydrology	36	2		
	0101M26	Basic Theory of Digital Watershed	36	2		
10	0900M16	Dialectics of Nature	18	1		6
	0101M02	Theory of Runoff Generation and Concentration	36	2		
	0101M10	Planning and Management of Water Resources System	36	2		
	1601M07	Spatial analysis and modeling	36	2		
	1601M16	Land Assessment and Planning	36	2		
	0101M24	Geographic Information System and Application	36	2		
	0000M10	Comprehensive Quality	18	1		
		36	2			
3				1		
				1		
				1		

070501

Human Geography

07

0705

21

1 Landscape Evaluation and Planning

2 Regional and Urban Planning

3 Watershed Human Geography

31

18

10

3



18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M03	Methods of Optimization	54	3		4 – 5	
	1000M18	Mathematic Statistics	54	3			
	1000M01	Matrix Theory	36	2			
	1601M13	Geographical Data Analysis	36	2			
	0106M01	Modern Human Geography	54	3		4	
	0103M13	Urban Planning Theory and Method	36	2			
	0106M10	Regional Planning	36	2			
	0102M12	Applied Ecology	36	2		1	
	0102M08	Planning & Management on Integrated Utilization of Soil & Water Resources	36	2		4	
	1601M16	Land Use evaluation and Planning	36	2			
	0102M13	Resource – environment Economy	36	2			
10	0900M16	Dialectics of Nature	18	1		6	
	1601M03	RS Geo – Analysis	36	2			
	0106M06	Regional Water Resources Planning	36	2			
	1601M04	Contemporary Cartography	36	2			
	0101M24	Geographic Information System and Application	36	2			
	1601M07	Spatial Analysis and Modeling	36	2			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

070503

Cartography and Geographical Information System

07

0705

GIS

3S

GIS

1	Digital Basin Theory Methodology and Applications	
2	GIS – based Integrated Numerical Modeling	
3	Geographical Information Sharing and Geo – services	
4	Remote Sensing Information Mechanism and Applications	
5	RS Image Understanding and Pattern Recognition	
		30
		18
9	3	

18		First Foreign Language	108	4			
		0900M17 Socialism with Chinese Characteristics Theory and Practice	36	2			
		1000M01 Matrix Theory	36	2			4 – 5
		1000M02 Numerical Analysis	54	3			
		1000M03 Optimization Methods	54	3			
		1601M01 Artificial Neural Networks	36	2			
		1601M02 Advanced GIS	54	3			4 – 5
		1601M03 RS Geo – Analysis	36	2			
		1601M04 Contemporary Cartography	36	2			
		1601M05 GIS Development and Integration	36	2			4
		1601M06 Digital Basin	36	2			
		1601M07 Spatial analysis and modeling	36	2			
		1601M08 RS Image Pattern Recognition	36	2			
		1601M09 Spatial Positioning and Navigation	36	2			
	9		0900M16 Dialectics of Nature	18	1		
		1601M10 Geographic Thought and Theory	36	2			5
		1601M11 Spatial Database	36	2			
		1601M12 Progress in Remote Sensing	54	3			
		1601M13 Geographical Data Analysis	36	2			
		1601M14 Hydro – geography	36	2			
		1601M15 Regional Planning	36	2			
		1601M16 Land Assessment and Planning	36	2			
		1601M17 Global Change	36	2			
		1601M18 Distributed Hydrological Model	36	2			
		0000M10 Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

070701

Physical Oceanography

07

0707

1 Waves in shallow seas

2 Ocean circulation environment and substance

transport

3 Disastrous ocean process

4 Climate and sea level change

5 Engineering oceanography and ocean monitoring

technology

30

18

9

3

18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1300M07	Fluid Mechanics	54	3			5 - 6
	0303M01	Marine Investigation Method	36	2			
	0303M02	Computational Geophysical Fluid Dynamics	54	3			
	0303M03	Marine Environmental Elements Analysis Method	36	2			
	0303M04	Geophysical Fluid Dynamics	72	4			
0303M05	Physical Oceanography	54	3				
9	0900M16	Dialectics of Nature	18	1			
	0303M06	Environmental Marine Dynamics	36	2			5
	0303M07	Ocean General Circulation Introduction	36	2			
	0303M08	Oceanic Waves	36	2			
	0303M09	Storm Surge Introduction	36	2			
	0303M10	Tidal Wave Dynamics	36	2			
	0303M11	Marine Remote Sensing and Data Processing	36	2			
	0303M12	Marine Numerical Model	36	2			
	0303M13	The Research Current Status and Progress of Oceanography	18	1			
	0000M10	Comprehensive Quality	18	1			
		36	2				
3				1			
				1			
				1			

0801

Mechanics

08

-

- 1        Engineering Mechanics
- 2        Solid Mechanics
- 3        Fluid Mechanics

31

18

10

3

---

---

10	1333M23	Multiphase Fluid Mechanics	36	2		
	1333M24	Wave Dynamics	36	2		
	1333M25	Mechanics of Sediment Transport	36	2		
	1333M26	Aerodynamics	36	2		
	1333M27	Applications of Fluid Mechanics in Engineering	36	2		
	1333M28	New Developments in Fluid Mechanics	36	2		
	1333M29	Fatigue of Structures	18	1		
	1333M30	Energy methods in non linear mechanics	18	1		
	0000M10	Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		



0802

Mechanical Engineering

08

0802

1	Design fundamental and methodology to mecha- tronic system	
2	Dredge technology and equipment	
3	CAD/CAPP/CAM/CAE system – integrated technology and development	CAD/CAPP/CAM/CAE
4	methodology to mechanical structure	Reliability design and strength
5	to mechanical equipment	Manipulator and intelligent control

30

19

8

3

19			First Foreign Language	108	4		
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
		1000M01	Matrix Theory	36	2		5 - 6
		1000M02	Numerical Analysis	54	3		
		1000M10	Partial Differential Equations in Mathematics and Physics	54	3		
		1000M03	Methods of Optimization	54	3		
		1802M10	Modern Control Engineering	36	2		4
		1803M20	Theory of Elasticity and Finite Element Method	36	2		
		1803M01	Modern Mechanical Design Theory and Application	36	2		4
		1802M01	Computer Real Time Control Technology	36	2		
1801M01		Manufacturing Systematology	36	2			
8	0900M16	Dialectics of Nature	18	1		4	
	1803M06	Hydraulic System design & Control	36	2			
	1802M03	Technology and Application of Modern Measurement	36	2			
	1803M07	CAD/CAM	36	2			
	1803M09	Two - phase Flow	36	2			
	1803M13	Design method	36	2			
	1803M05	Reliability analysis and design	36	2			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

Testing and Measuring Technologies and Instrumentation

08

0804

1	Testing Technology for Hydraulic and Hydro		
Power Engineering			
2	Sensing Technology and Engineering Testing Technology		
3	Computer – Based Test and Control Technology		
and Intelligent Systems			
		30	18
9	3		

18		First Foreign Language	108	4		
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	1000M01	Matrix Theory	36	2		
	1000M02	Numerical Analysis	54	3		
	1000M18	Statistics	54	3		3
	1000M07	Engineering Stochastic Processes	54	3		
	0602M02	Digital Signal Processing	54	3		
	0602M12	Modern Testing Technology	36	2		2
	0604M05	Theory and Application of Computer Control	36	2		
	0604M07	Intelligent Control	36	2		
	0602M13	Weak Signal Measurement	36	2		2
	0602M03	Intelligent Instrument Design	36	2		
9	0900M16	Dialectics of Nature	18	1		
	0602M05	Information Fusion	18	1		5
	0604M10	Fieldbus Technology	36	2		
	0604M12	Embedded System Design	36	2		
	0604M03	Optimization Theory and Optimal Control	36	2		
	0700M07	Computer Network and Internet	36	2		
	0000M10	Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		

0805

Materials Science & Engineering

08

1	High Performance Cement – based Materials	
2	High Performance Metal – based Materials	
3	Material Surface Engineering	
4	Manufacturing and Processing of Materials	
5	Synthesis and Modification of Polymer	
6	Functional Construction Materials	
7	Welding equipment and auto – controlling	
	31	18
10	3	

18		First Foreign Language	108	4		5 – 6	
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1344M01	Physical Chemistry of Materials	54	3			
	1000M02	Numerical Analysis	54	3			
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3			
	1000M07	Engineering Random Processes	54	3			
	1000M18	Mathematical Statistics	54	3			
	1000M01	Matrix Theory	36	2		4 – 5	
	1344M03	Structures and Properties of Materials	36	2			
	1344M02	Modern Analysis Methods for Materials	36	2			
	1344M05	Material Thermodynamics	36	2			
	1344M06	Physical Metallurgy	54	3			
	1802M10	Modern control engineering	36	2		2	
	1344M04	Advanced Materials Science	36	2			
	1344M07	Forming Theory and Technology of Materials	36	2			
	1344M10	Functional Polymers	36	2			
	1344M08	Testing Techniques of Materials	18	1			
	1344M15	Advanced Physico – chemistry of Construction Materials	18	1			
1804M03	Auto – controlling of Welding Progress	36	2		6		
0900M16	Dialectics of Nature	18	1				
1344M11	Corrosion and Protection of Materials	36	2				
1344M13	Surface Technology of Materials	36	2				
1344M09	Failure Analysis of Metallic Materials	36	2				
1344M12	Chemistry of Cements	36	2				
1344M14	Polymer Synthesis Technique	36	2				
1802M07	Advanced Power Electronics	36	2				
1804M05	Material manufacturing Numerical Simulation	36	2				
1802M01	Computer Real Time Control Technology	36	2				
10							

	0000M10	Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		

Fluid Mechanics and Engineering

1 Safety Operation Fault Tests  
and Diagnosis of Fluid Machine and Engineering

2 Fluid Machinery Character Modeling  
and Design Optimization

3 Hydraulic Machinery Dynamic  
Character Transition Process Control and Simulation

4 Renewable Energy Power Technologies

30

19

8

3



19		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3			5
	1000M01	Matrix Theory	36	2			
	1000M02	Numerical Analysis	54	3			
	1000M03	Methods of Optimization	54	3			
	1300M03	Theory of Elasticity	54	3			
	0607M01	Fluid Dynamics and Cascade Theory	36	2			
	0607M02	Modern Control Theory	36	2			
	0607M08	Reversible Hydraulic Machinery	36	2			
	0607M05	Digitized Design Theory and Technology in Fluid Machinery	36	2			4
	0607M06	The Simulation and Control of Hydraulic Power Unit	36	2			
	0607M07	CFD The Fluid Machinery CFD and Optimization Design	36	2			
	0607M10	Modern Mechanical Design	36	2			
8	0900M16	Dialectics of Nature	18	1			
	0607M09	Transiting Process of Hydraulic Machiner	36	2			4
	0607M12	Wind Farm Planning and Design Optimization	36	2			
	0607M11	Tests & Diagnosis of Generation Unit	36	2			
	0000M10	Comprehensive Quality	18	1			
				36	2		
3				1			
				1			
				1			

0808

Electrical Engineering

08

1	Power System Operation and Control		
2	Automation of Distribution Power Systems		
3	Fault Diagnosis and Information Processing		
for Electrical Equipments			
4	Novel AC/DC Electrical Drive System		
5	Renewable Energy Conversion System		
		30	18
9	3		

18		First Foreign Language	108	4		
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	1000M01	Matrix Theory	36	2		5
	1000M02	Numerical Analysis	54	3		
	1000M03	Optimal Algorithm	54	3		
	1000M07	Engineering Stochastic Processes	54	3		
	1000M18	Statistics	54	3		
	0601M02	Steady State Analysis of Power System	36	2		
	0604M02	Linear System Theory	54	3		
	0601M15	Advancing Technology of Electrical Engineering	36	2		
	0601M20	High Voltage Engineering	36	2		
	0601M21	Computer based Power System Protection	36	2		
0601M04	Dynamic State Analysis of Power System	36	2		2	
0604M08	Modern Power Electronics Technology	36	2			
9	0900M16	Dialectics of Nature	18	1		
	0601M05	Modern Power System Control	36	2		5
	0601M22	Modern Power Transmission & Distribution Technology	36	2		
	0601M07	System Theory and Its Application	36	2		
	0601M08	Condition Monitoring and Fault Diagnosis for Electrical Equipment	36	2		
	0601M10	Electricity Market and Its Operation	18	1		
	0000M10	Comprehensive Quality	18	1		
3			36	2		
				1		
				1		

080902

Circuits and Systems

08

0809

1	Circuit and System Simulation		
2	ASIC Design		
3	Signal Detection and Estimation		
4	Detection and Countermeasure Technology		
		31	18
10	3		

18		First Foreign Language	108	4			
		0900M17 Socialism with Chinese Characteristics Theory and Practice	36	2			
		1000M01 Matrix Theory	36	2			5
		1000M02 Numerical Analysis	54	3			
		1000M03 Methods of Optimization	54	3			
		1000M07 Engineering Stochastic Process	54	3			
		0707M01 Simulation of Circuits and Systems	54	3			
		0707M02 Theory & Methods of Modern Signal Processing	36	2			5
		0707M03 Theory of Communication and Coding	54	3			
		0707M04 Introduction to Information Systems Design	36	2			
		0707M05 Detection and Estimation Theory	36	2			2
		0707M06 Specific Integrated Circuit Design	36	2			
10		0900M16 Dialectics of Nature	18	1			
		0707M07 Methods of Modern Electronic Circuit Design	36	2			6
		0707M08 Multi – Rate signal processing	36	2			
		0707M09 DSP DSP Techniques	36	2			
		0707M10 Embedded System Design and Application	36	2			
		0707M11 Multimedia Information Processing and Communication	36	2			
		0707M12 Signal Processing Advances in Wireless Communications	36	2			
		0707M13 Technique of Modern Integrated Circuit Test	36	2			
		0000M10 Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

0810

Information and Communication

18		First Foreign Language	108	4		
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	1000M01	Matrix Theory	36	2		5
	1000M02	Numerical Analysis	54	3		
	1000M07	Engineering Stochastic Process	54	3		
	1000M03	Methods of Optimization	54	3		
	0702M21	Modern Digital Signal Processing	54	3		5
	0702M23	Digital Communications Bilingual	54	3		
	0702M31	Information Theory and Coding Bilingual	36	2		
	0707M05	Detection and Estimation Theory	36	2		
	0702M28	Information Acquisition and Processing Techniques	36	2		2
	0702M05	Remote – sensing and Remote – control Systems	36	2		
	0702M33	Future Media Internet Bilingual	36	2		
	10	0900M16	Dialectics of Nature	18	1	
0702M34		Video Image Processing	36	2		6
0702M35		Radio Frequency Communication Circuit	36	2		
0702M36		Communication Networks Analysis	36	2		
0702M06		Information Fusion	36	2		
0702M08		Multimedia Communication Techniques	36	2		
0702M26		Embedded Systems	36	2		
0702M09		Simulation and Analysis of Digital Communication System	36	2		
0702M37		Modern Antenna Technology	36	2		
1901M01		Underwater Acoustic Communication Technology	36	2		
1901M02		Sensor Network Technology	36	2		
0702M39		Sensors	36	2		
0000M10		Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		

0811  
Control Science and Engineering  
08

1	Theories and Application of Advanced Control		
2	Intelligence Control and Intelligence System		
3	Motion Control System		
4	Modern Detection Technique and System		
5	Automation of Water Power		
6	Intelligent Instrument and Automation Device		
7	Theories and Application of Pattern Information Recog- nition		
		30	18
9	3		



18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M01	Matrix Theory	36	2			5
	1000M02	Numerical Analysis	54	3			
	1000M07	Engineering Stochastic Processes	54	3			
	1000M18	Statistics	54	3			
	0604M02	Linear System Theory	54	3			
	0704M22	Design and Analysis of Algorithms	54	3			
	0604M04	Nonlinear System Theory	36	2			2
	0604M05	Theory and Application of Computer Control	36	2			
	0602M02	Digital Signal Processing	54	3			
	0703M23	Principles of Artificial Intelligence	36	2			
	0604M07	Intelligent Control	36	2			
	0703M21	Pattern Recognition	36	2			
	0604M03	Optimization Theory and Optimal Control	36	2			
	0702M22	Digital Image Processing	36	2			
	0703M31	Neural Network Design	36	2			
	9	0900M16	Dialectics of Nature	18	1		
0604M20		Special Topics in Control Theory and Engineering	18	1			5
0604M06		Adaptive Control	36	2			
0604M10		Fieldbus Technology	36	2			
0604M12		Embedded System Design	36	2			
0604M13		Robust Control	36	2			
0604M14		Control system of Power Plant	36	2			
0604M21		Neural Network Inverse Control	36	2			
0703M32		Machine Learning	36	2			
0703M24		Introduction to Bioinformatics	36	2			
0703M25		Information Retrieval	36	2			

--	--	--	--

0812

Computer Science and Technology

08

IT

1 Computer Application Technology

2 Computer Software and Theory

3 Computer Architecture

31

18

10

3

18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	0704M01	Mathematical Logic	54	3			
	0704M22	Design and Analysis of Algorithms	54	3			
	0704M23	Modern Data Management	36	2			4
	0703M23	Principles of Artificial Intelligence	36	2			
	0704M24	Formal Linguistics	36	2			
	0704M25	Distributed Computing	36	2			2
0704M06	Network and Information Security	36	2				
10	0900M16	Dialectics of Nature	18	1			
	0704M31	Introduction to the Semantic Web	36	2			6
	0704M03	Software Reuse	36	2			
	0704M28	Software Testing	36	2			
	0704M32	Formal Methods for Software	36	2			
	0703M25	Information Retrieval	36	2			
	0703M31	Neural Network Design	36	2			
	0704M12	Computer Graphics	36	2			
	0702M22	Digital Image Processing	36	2			
	0703M32	Machine Learning	36	2			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

081401

Geotechnical Engineering

08

0814

1	Fundamental behaviour and constitutive be-	
haviour of soil		
2	Designing theory and method for high earth	
dam		
3	Soft soil improvement and foundation engineering	
4	Rock mechanics and Rock mass engineering	
5	Seepage theory and testing for geomaterial	
	31	18
10	3	

18		First Foreign Language	108	4		5 - 6
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	1000M01	Matrix Theory	36	2		
	1000M02	Numerical Analysis	54	3		
	1000M18	Mathematical Statistics	54	3		
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3		
	1300M03	Elastic Mechanics	54	3		1 - 3
	1300M04	Plastic Mechanics	18	1		
	1300M07	Fluid Mechanics	54	3		
	0402M01	Advanced Soil Mechanics	54	3		3
	0402M02	Advanced Rock Mechanics	54	3		
	0402M03	Numerical Analysis of Geotechnical Engineering	54	3		
10	0900M16	Dialectics of Nature	18	1		6
	0402M04	Theory and Technology of Geotechnical Testing	36	2		
	0402M05	Soil Dynamics	36	2		
	0402M06	New Techniques of Ground Improvement	36	2		
	0402M07	Seepage Theory and Testing	36	2		
	0402M08	Urban Underground Engineering	36	2		
	0402M09	Rock Slope Mechanics and Engineering	36	2		
	0402M10	Geoenvironmental Engineering	36	2		
	0402M11	Foundation Engineering Analysis	36	2		
	0402M12	Rock Tunneling Engineering	36	2		
	0402M13	Rock Dynamics	36	2		
	0402M14	Risk and Reliability Analysis in Geotechnical Engineering	36	2		
	0000M10	Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		

1		The basic theory and modern-times calculation method of R. C. structures
2		The basic theory and analysis method of steel structures
3	–	The behavior and design of new-type structures and the composite structures of steel and concrete
4		The appraisal strengthening retrofit and durability of engineering structures
5		The aseismic analysis and vibration control of engi- neering structures

Stee

Plate and Shell Stru

18

Design of Steel

0303M00



081403

Urban Construction

08

0814

1	Theory and technology for drinking water safety		
2	Optimization theory and technology for urban water system		
3	Theory and technology for wastewater treatment and resource utilization		
4	Municipal and industrial water saving technology		
		30	18
9	3		

18		First Foreign Language	108	4		
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	1000M02	Numerical Analysis	54	3		4 – 6
	1000M18	Mathematical Statistics	54	3		
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3		
	1300M07	Fluid Mechanics	54	3		2 – 5
	0501M02	Fundamentals of Microbial physiology and biochemistry	36	2		
	0501M03	Theory of physiochemical Water Treatment	36	2		4 – 6
	0501M04	Theory of Biological Water Treatment	36	2		
	0501M05	Recycle and Reuse of Water	36	2		
9	0900M16	Dialectics of Nature	18	1		
	0599M14	Application of Large Instruments	36	2		
	0501M06	New Techniques of Water Supply and Drainage	36	2		3 – 4
	0599M08	Solid Waste Management and Disposal	36	2		
	0501M08	Membrane Separation Technique of water	36	2		
	0501M10	Ecological Restoration	18	1		
	0000M10	Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		

## Disaster Prevention Mitigation and Protection Engineering

08

0814

1	Seismic-induced catastrophe and anti-seismic of engineering structures	
2	Explosion mechanics and protection of explosion disaster	
3	Base seismic isolation and shock absorption	
4	Prevention and mitigation of city disaster	
		32
		19
10	3	

19		First Foreign Language	108	4		5 - 6	
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M01	Matrix Theory	36	2			
	1000M02	Numerical Analysis	54	3			
	1000M18	Mathematical Statistics	54	3			
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3			
	1300M09	Structure Dynamics	54	3			
	1300M03	Elastic Mechanics	54	3			
	1300M08	Finite Element Methods	54	3			
	0402M01	Advanced Soil Mechanics	54	3			3
	0402M02	Advanced Rock Mechanics	54	3			
	0405M02	Seismological Engineering	36	2			2 - 4
	0405M03	Disaster Prevention and Mitigation	36	2			
0402M03	Numerical Analysis of Geotechnical Engineering	54	3				
10	0900M16	Dialectics of Nature	18	1		6	
	0402M05	Soil Dynamics	36	2			
	0405M14	Base Isolation Technology	36	2			
	0402M13	Rock Dynamics	36	2			
	0405M09	Theory of Cstructure and Surrounding Medium Reciprocity	36	2			
	0405M11	Aging of Structure and Disaster Prevention and Control	36	2			
	0405M13	Disaster Prevention and Mitigation of urban	36	2			
	0405M05	Aseismic Analysis and Control of Structure Engineering	36	2			
	0405M10	Stability of Engineering Structure and Protection Engineering	36	2			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

## Bridge and Tunnel Engineering

08

0814

1	Design theory of composite and novel prestressed concrete bridge
2	Bridge seismic maintenance and Post – disaster rehabilitation
3	Safety monitoring and control of long – span bridge
4	Water disaster prevention and control of tunnel engineering
5	Design and analysis theory of modern tunnel engineering

31

18

10

3

18			First Foreign Language	108	4		
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
		1000M02	Numerical Analysis	54	3		3
		1000M10	Partial Differential Equations in Mathematics and Physics	54	3		
		1300M03	Elastic Mechanics	54	3		1 - 3
		1300M04	Plastic Mechanics	18	1		
		0403M02	Advanced Reinforced Concrete Structure	54	3		6
		1300M08	Finite Element Methods	54	3		
		1300M09	Dynamics of Structure	54	3		
		0406M07	Tunnel Engineering	36	2		2
		0406M08	Bridge Vibration and Stability Analysis	36	2		
		0406M09	Design Theory of Long-span Bridge	36	2		
10	0900M16	Dialectics of Nature	18	1		6	
	0406M03	Composite Bridge	36	2			
	0406M04	Bridge Seismic Design	36	2			
	0403M05	Theory and Methods of Structural Testing	36	2			
	0402M08	Urban Underground Engineering	36	2			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

081420

## Civil Engineering Materials

08

0814

1	Concrete Materials		
2	Composites		
3	New Construction Materials		
4	Structural Metal Materials		
5	Geotechnical Synthetic Materials		
		30	18
9	3		

18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1344M01	Physics & Chemistry of Materials	54	3			6
	1000M02	Numerical Analysis	54	3			
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3			
	1000M07	Engineering Random Processes	54	3			
	1000M18	Mathematical Statistics	54	3			
	1344M03	Structure and Properties of Materials	36	2			
	1344M02	Modern Analysis Methods for Materials	36	2			
	1344M05	Material Thermodynamics	36	2			
	1344M04	Advanced Materials Science	36	2			2
	1344M10	Functional Polymers	36	2			
	1344M08	Testing Techniques of Materials	18	1			
	1344M15	Advanced Physico – chemistry of Construction Materials	18	1			
9	0900M16	Dialectics of Nature	18	1			
	1344M11	Corrosion and Protection of Materials	36	2			5
	1344M13	Surface Technology of Materials	36	2			
	1344M14	Polymer Synthesis Technique	36	2			
	1344M12	Chemistry of Cements	36	2			
	1300M03	Theory of Elasticity	54	3			
	1333M07	Fracture & Damage Mechanics	36	2			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			





18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M02	Numerical Analysis	54	3			4 – 6
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3			
	1000M03	Methods of Optimization	54	3			
	1000M01	Matrix Theory	36	2			
	0103M02		36	2			
	0101M02	Theory of Runoff Generation and Concentration	54	3			
	0101M16	Soil Hydrology	36	2			4
	0101M04	Analysis of Water Resources System Engineering	36	2			
	0101M03	Numerical Simulation of Groundwater	36	2			
	0101M05	Mathematic Model of of Water Environment	36	2			
	0101M06	Stochastic Analysis in Hydrology	36	2			
	0101M08	Modern Hydrological Modelling and Forecasting	36	2			
	0101M17	Risk analysis and Decision making of Hydrology and Water Resources	36	2			4
	0101M10	Planning and Management of Water Resources System	36	2			
	0101M12	Modern Information Technique of Hydrology	36	2			
	0101M11	Planning & Management of Water Environment	36	2			
0101M25	Hydrological Meteorology & climatology	36	2				
0900M16	Dialectics of Nature	18	1				
10	0101M26	Basic Theory of Digital Watershed	36	2			
	0101M99	Isotope and Experimental hydrology	36	2			
	0101M18	Multi – Reservoir Optimal Operation	36	2			
	0101M29	Ecohydrology	36	2			
	0101M22	Hydrological Network Planing	36	2			
	0101M24	Geographic Information System and n doey					

3				1		
				1		
				1		
1	0101M09	Theory of Hydrology	36	2		
	0101M15	Hydrostatistics	36	2		

Hydraulics and River Dynamics

08

0815

1 River management Hydroecology and Environment

2 Theory and Applications of Engineering Hydraulics

3 Water Flow Sedimentation and Applications in

River Engineering

4 Water and pollutant transport in fractured porous media

and Groundwater hydraulics

5 Computational hydraulics and Hydroinformatics

32

19

10

3

19		First Foreign Language	108	4			6
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M02	Numerical Analysis	54	3			
	1000M18	Mathematical Statistics	54	3			
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3			
	0201M89	Fluid Mechanics	54	3		5	
	0201M90	Theory of similarity and measurement technique	36	2			
	0201M91	Engineering Hydrodynamics	36	2		2	
	0201M92	River Dynamics	36	2			
	0201M93	Seepage and control	36	2			
0201M94	N – S Numerical solution to the Navier – Stokes equations and turbulence models	36	2				
10	0900M16	Dialectics of Nature	18	1		6	
	0201M95	Computational hydraulics	36	2			
	0201M96	River management Hydroecology and Environment nt	36	2			
	0201M97	Water Flow Sedimentation and Applications in River Engineering	36	2			
	0201M98	Water and pollutant transport in fractured porous media and Groundwater hydraulics	36	2			
	0201M99	Computational Fluid Dynamics CFD Software Application	36	2			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

081503

Hydraulic Structure Engineering

08

0815

- 1 Safety monitoring theories methods  
and techniques of for high dams and their foundations
- 2 Computation theories and experimental tech-  
niques for dam engineering design
- 3 High slopes and underground engineering
- 4 Water gate ship lock and water transport structures
- 5 Research on hydraulic concrete structures and  
new materials

18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3			
	1000M02	Numerical Analysis	54	3			
	1300M03	Theory of Elasticity	54	3			4
	1300M04	Engineering Plasticity	18	1			
	0202M04	The Finite Element Method For Hydraulic Structure	54	3			
	0202M07	Advanced Hydraulic Structure	36	2			2
	0202M08	Dam Safety Monitoring Theory and Its Application	36	2			
	0202M09	Experimental Theory & Technique for Hydraulic Structures	36	2			
10	0900M16	Dialectics of Nature	18	1			
	0202M01	Theory for Dam Safety Appraisal	36	2			6
	0202M13	Mathematic Treatment of Dam Prototype Observation Data	36	2			
	0202M12	Fundamentals of Strength Theory for Concrete Dam and Its foundation	36	2			
	0202M06	Underground Engineering	36	2			
	0202M16	Geosynthetics Structure Engineering	36	2			
	0202M03	Manifold Numerical Method and Its Application	36	2			
	0202M02	Seepage Analysis and Control in Engineering	36	2			
	0202M15	Earth Rock Earthquake Engineering	36	2			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

## Water Conservancy and Hydropower Engineering

08

0815

1	Water resources and hydropower system planning and engineering economy
2	Hydraulics of hydropower plant pump station and pumped – storage plant
3	Structure of hydropower plant and pump station
4	Hydraulic transient control and simulation of hydraulic unit
5	Technique of pumped – storage project and renewable energy

31

18

10

3



18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M01	Matrix Theory	36	2			5 – 6
	1000M02	Numerical Analysis	54	3			
	1000M07	Engineering Stochastic Process	54	3			
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3			
	1000M03	Methods of Optimization	54	3			4 – 5
	0203M02	Theory of Multi – Objective Decision – making	36	2			
	0203M03	Economics of Hydropower and Energy Resources	36	2			1
	0203M12	Fluid Transients I	36	2			4 – 5
	0203M16	Hydropower Station Engineering	36	2			
	1300M03	Theory of Elasticity	54	3			2 – 5
	0203M11	Water and Hydropower System Planning	36	2			2
	0203M05	Pumped Storage Technology	36	2			
0203M17	Structure of Hydropower Pump or Plant	36	2				
10	0900M16	Dialectics of Nature	18	1			
	0201M89	Fluid Mechanics	54	3			6
	0201M95	Computational hydraulics	36	2			
	0201M90	Theory of similarity and measurement technique	36	2			
	0203M06	Risk Analysis	36	2			
	0203M07	Wind Power and Tidal Power	36	2			
	0202M06	Underground Engineering	36	2			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

Harbor Coastal and Offshore Engineering

08

0815

1	Hydrodynamics of estuary coastal and off-shore engineering
2	Coastal storm disaster and its mitigation
3	Sedimentation in harbor and navigation engineering and dredging
4	Engineering structure and its interaction with surrounding medium
5	Economy planning and management of waterway transportation engineering

30

18

9

3

18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M01	Matrix Theory	36	2			5 - 6
	1000M02	Numerical Analysis	54	3			
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3			
	0301M01	Estuarine and Coastal Dynamics	54	3			5 - 6
	1300M07	Fluid Mechanics	54	3			
	1300M03	Elastic Mechanics	54	3			
	1300M08	Finite Element Methods	54	3			
	0301M02	Sediment Processes	36	2			
	0301M03	Port Engineering	36	2			2 - 4
	0301M04	Waterway Engineering	36	2			
	0301M05	Coastal and Offshore Engineering	45	2.5			
	0301M06	The Economic Analysis and Planning of Waterway System	36	2			
9	0900M16	Dialectics of Nature	18	1			
	0301M07	Simulating Techniques of Estuarine and Coastal Hydrodynamics	36	2			5
	0301M08	Interaction between Wave and Structure	27	1.5			
	0301M09	The finite element analysis in engineering by the large soft	18	1			
	0599M03	Computational Hydraulics	54	3			
	1300M09	Structural Dynamics	54	3			
	0402M01	Advanced Soil Mechanics	54	3			
	1000M03	Methods of Optimization	54	3			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

081520

Ecological Water Conservancy

08

0815

21

1

Eco – Hydroq

18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M02	Numerical Analysis	54	3			6
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3			
	1000M03	Methods of Optimization	54	3			
	0102M12	Applied Ecology	36	2			2
	0102M04	Eco – hydrology	36	2			
	0102M20	Environmental Hydraulics	36	2			
	0102M17	Hydrobiology	36	2			
	0102M01	Mathematic Model of Water Environment	36	2			2
	0102M05	Ecological Safety	36	2			
	0102M07	Assessment of Impacts of Water Conservancy Projects on Environment	36	2			
	10	0900M16	Dialectics of Nature	18	1		
0102M06		Groundwater & Eco – environment	36	2			6
0102M08		Planning & Management on Integrated Utilization of Soil & Water Resources	36	2			
0102M19		Wetland Ecology	36	2			
0102M13		Resource – environment Economy	36	2			
0101M24		Geographic Information System and Application	36	2			
0000M10		Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

081521

Urban Water Affairs

08

0815

21

1. Urban Water Resource and Water – Supply
2. Urban Flood Prevention and Drainage
3. Urban Water Environment

30

18

9

3



		First Foreign Language	108	4	
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2	
	1000M01	Matrix Theory	36	2	
	1000M02	Numerical Analysis	54	3	<b>m</b>
	1000M10	Partial Differential Equations in Mathematics and			

Coastal Resources and Environment

08

0815

1	Coastal dynamics and disasters		
2	Coastal environment monitoring and information technology		
3	Coastal resources exploitation management and sustainable development		
4	Coastal engineering and landscape		
5	Coastal ecological environment and wetland protection		
		30	18
9	3		



18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M18	Mathematical Statistics	54	3			4 – 6
	1433M02	Special Topic on the Environmental Law	36	2			
	1433M04	Special Topic on the Natural Resources Law	36	2			
	1000M02	Numerical Analysis	54	3			
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3			
	0301M01	Estuarine and Coastal Dynamics	54	3			
	1300M07	Fluid Mechanics	54	3			
	0301M02	Sediment Processes	36	2			
	0301M03	Port Engineering	36	2			3 – 4
	0301M04	Waterway Engineering	36	2			
	0301M05	Coastal and Offshore Engineering	45	2.5			
	0302M01	Coastal Resource Exploiting and Management	36	2			
	0900M16	Dialectics of Nature	18	1			
0301M07	Simulating Techniques of Estuarine and Coastal Hydrodynamics						

Water Hazard and Safety

08

0815

1	Forming mechanism of water hazard		
2	Prediction and safety monitoring of water hazard		
3	Technology for water hazard prevention		
4	Assessment and risk analysis of water safety		
5	Management and protection system of water safety		
		31	18
10	3		

18		First Foreign Language	108	4			6
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M02	Numerical Analysis	54	3			
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3			
	1000M03	Methods of Optimization	54	3			
	1300M03	Theory of Elasticity	54	3		4	
	1300M04	Engineering Plasticity	18	1			
	0201M89	Fluid Mechanics	54	3			
	0101M02	Theory of fluid to yield and come together	36	2			
	0204M02	Monitoring Theory of Water Safety	36	2		2	
0204M04	Disaster Economics	36	2				
10	0900M16	Dialectics of Nature	18	1		6	
	0204M07	Data Analysis of Prototype Measurement	36	2			
	0204M08	Urban Blood Prevention and Water Supply Secure	36	2			
	0101M24	Geographical Information System	36	2			
	0204M16	Dam Break Mechanism	36	2			
	0204M11	Debris Flow Disaster Mechanics and Control	36	2			
	0101M12	Modern Hydrographic Information Technology	36	2			
	0000M10	Comprehensive Quality	18	1			
		36	2				
3				1			
				1			
				1			

081524

Hydroinformatics

08

0815

1	Analysis & Integration of Information Systems		
2	Information Acquisition & Processing		
3	Intelligent Information Processing		
4	Information Acquisition & Processing		
5	Digital Hydrology		
		31	18
10	3		

18		First Foreign Language	108	4			
		0900M17 Socialism with Chinese Characteristics Theory and Practice	36	2			
		0704M01 Mathematical Logic	54	3			6
		1000M02 Numerical Analysis	54	3			
		1000M10 Partial Differential Equations in Mathematics and Physics	54	3			
		1000M07 Engineering Stochastic Process	54	3			
		0704M22 Design and Analysis of Algorithms	54	3			
		0702M21 Modern Digital Signal Processing	54	3			4
		0101M04 Analysis of Water Resources System Engineering	36	2			
		0101M05 Mathematical Model of Water Environment	36	2			
		0704M23 Modern Data Management	36	2			2
		0702M28 Information Acquisition and Processing Techniques	36	2			
	0101M12 Modern Hydrological Information Technique	36	2				
10		0900M16 Dialectics of Nature	18	1			
		0704M03 Software Reuse	36	2			6
		0703M23 Principles of Artificial Intelligence	36	2			
		0702M05 Remote – sensing and Remote – control Systems	36	2			
		0702M26 Embedded Systems	36	2			
		0704M06 Network & Information Security	36	2			
		0704M25 Distributed Computing	36	2			
		0101M23 Geographic Information System and Application	36	2			
		0101M11 Planning & Management of Water Environment	36	2			
		0000M10 Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

081526

Water Conservancy and Hydropower Construction  
Engineering Management

08

0815

1	Project Management of Water Conservancy and Hydropower Construction
2	Cost Management of Water Conservancy and Hydropower Construction
3	Operation Management of Water Conservancy and Hydropower Construction
4	New Technology New Materials of Water Conservancy and Hydropower Construction
5	Comprehensive Regulation Technology of Hydraulic Structures

31

18

10

3

18		First Foreign Language	108	4		6	
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M01	Fundamentals of Matrix Theory	36	2			
	1000M02	Numerical Analysis	54	3			
	1000M07	Stochastic Process in Engineering	54	3			
	1000M18	Mathematical Statistics	54	3			
	0801M02	System Engineering	36	2		4	
	1000M03	Methods of Optimization	54	3			
	0203M02	Theory of Multi – Objective Decision – making	36	2			
	0205M01	Project Management of Water Conservancy and Hydropower Construction	36	2		2	
0203M11	Water and Hydropower System Planning	36	2				
10	0900M16	Dialectics of Nature	18	1		6	
	0205M02	Cost Management of Water Conservancy and Hydropower	36	2			
	0205M03	New construction technology of Hydraulic Engineering	36	2			
	0202M01	Theory for Dam Safety Appraisal	36	2			
	0202M08	Dam Safety Monitoring Theory and Its Application	36	2			
	0203M06	Risk Analysis	36	2			
	0000M10	Comprehensive Quality	18	1			
		36	2				
3				1			
				1			
				1			

081527

Science of Water System

08

0815

1	Nonlinear Dynamical Systems in Water Sci-
ence	
2	Modeling and Simulation in Water System
3	Uncertainty Theory and Mothed in Water
Science	
	30
	18
9	3



		First Foreign Language	108	4	
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2	
	1002M02	Modern Analysis	36	2	
	1001M15	Abstract Algebra	36	2	
	1002M46	Linear Partial Differential Equations	36	2	
	1001M05	Differential Equations and Dynamical Systems	36	2	
	1002M11	Advanced Mathematical Statistics	36	2	
	1002M30	Theory of Optimization	36	2	
	1002M47	Multivariate Statistics Analysis	36	2	

Geodesy and Surveying Engineering

08

0816

1	Precise Engineering Surveying		
2	Deformation Monitoring and Safety Evaluation		
3	Satellite Navigation and Positioning		
4	Surveying Error Theory and Data Processing		
5 3S	Integration Technology and Application of RS/GPS/GIS		
		31	18
10	3		

--	--	--	--	--	--	--	--	--	--	--


081602

Photogrammetry and Remote Sensing

08

0816

3S

- 1 Modern Photogrammetry Theory and Methods
- 2 Remote Sensing Image Processing and Analysis
- 3 GIS GIS Development and Application
- 4 Virtual Reality Technology
- 5 3S RS/GPS/GIS Integration and Application

31

18

10

3

18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M01	Matrix Theory	36	2			5 – 6
	1000M02	Numerical Analysis	54	3			
	1000M07	Engineering Stochastic Process	54	3			
	1605M01	Remote Sensing Image Processing	54	3			5 – 6
	1605M02	Digital Photogrammetry	54	3			
	1605M03	Theory & Methods of GIS	36	2			
	1605M04	Geo – Science Analysis of Remote Sensing	36	2			2
	1606M04	Software Engineering of GIS	36	2			
10	0900M16	Dialectics of Nature	18	1			
	1605M05	Computer Vision and Application	36	2			6
	1605M06	Microwave Remote Sensing	36	2			
	1605M07	Theory and Technology of Spatial Database	36	2			
	1605M08	Virtual Reality Technology	36	2			
	1603M10	RS/GPS/GIS RS/GPS/GIS Integration Technology	36	2			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

RS/GPS/GIS

1	GIS	GIS Engineering	
2		Spatial Analysis and Application	
3		Intelligent Mapping Theory and Methods	
4		Multi – Source Spatial Data Acquisition and Pro-	
	cessing		
5	GIS	Quality Control Theory and Methods of GIS	
			31
			18
10		3	

18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	1000M01	Matrix Theory	36	2			5 – 6
	1000M18	Mathematical Statistics	54	3			
	1000M02	Numerical Analysis	54	3			
	1606M01	Theory & Methods of Contemporary Cartography	54	3			4 – 5
	1606M02	Spatial Data Modeling	36	2			
	1606M03	Spatial Analysis	36	2			
	1606M04	Software Engineering of GIS	36	2			2
	1606M05	Introduction of Geographical Information Science	36	2			
10	0900M16	Dialectics of Nature	18	1			
	1605M04	Geo – Science Analysis of Remote Sensing	36	2			6
	1605M07	Theory and Technology of Spatial Database	36	2			
	1605M08	Virtual Reality Technology	36	2			
	1603M10	RS/GPS/GIS RS/GPS/GIS Integration Technology	36	2			
	1606M07	Digital City	36	2			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

0818

Geological Resource and Geological Engineering

08

1 Geological Engineering

2 Geophysical Prospecting and Information Technology

30

18

9

3



		First Foreign Language	108	4	
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2	
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3	
	1000M01	Matrix Theory	36	2	
	1000M02	Numerical Analysis	54	3	
	1644M01	Advanced Rock Mass Mechanics	54	3	
	1644M02	Principle of dynamics in fractured media	54	3	
	1644M03	Theory and Methods for Modern Engineering Geology	36	2	
	1644M04	Modern Technology for Hydrogeology	36	2	
	1644M05	Advanced Geophysics & Physical Exploration Technology	36	2	
	1644M06	Advanced Geo - chemistry & Chemical Exploration Technology	36	2	
	1644M07	Monitoring Theory and Method for Soil and Rockmass	36	2	
	1644M08	Stability Assessment of the Geological Body	36	2	
	1644M09	Theory and method for WRI simulation	36	2	
	1644M10	Geo - environment Monitoring and r			

3				1		
				1		
				1		

2 - 3

Transportation planning and management

08

0823

1	Comprehensive transportation plan and manage-		
ment			
2	Transportation information and control		
3	Modern logistics and transportation technology		
4	Road engineering		
5	Traffic safety theory and application		
		31	18
10	3		

		First Foreign Language	108	4	
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2	
	1000M03	Methods of Optimization	54	3	
	1000M10	Partial Differential Equations in Mathematics and Physics	54	3	
	1000M18	Mathematical Statistics	54	3	
	0404M01	Transportation Engineering	36	2	
	0404M07	Transportation Economy	36	2	
	0402M01	Advanced Soil Mechanics	54	3	
	0404M06	TraffMO			

082802

Soil and water en

---

---

1	Soil and water conservation as well as protection of water and soil environment		
2	Environmental bio – technique		
3	Environmental control in protected agriculture		
4	Development and utilization of new rural energy		
5	Eco – environmental effect of irrigation and drainage		
		31	18
10	3		





Environmental Science and Engineering

1	Water Resource Protection and Bioremediation
2	Environmental Ecological Hydraulics and Appli-
cation	
3	Environmental System Planning and Complex As-
essment	
4	Water Pollution Control and Water Treatment En-
gineering	
5	Solid Waste Disposal and Resourced Utilization

18		First Foreign Language	108	4				
		0900M17 Socialism with Chinese Characteristics Theory and Practice	36	2				
		1000M02	Numerical Analysis	54	3			5 – 6
		1000M18	Mathematical Statistics	54	3			
		1000M10	Partial Differential Equations in Mathematics and Physics	54	3			
		1000M01	Theory of Matrix	36	2			
		1300M07	Fluid Mechanics	54	3			5 – 6
		0599M01	Organic Pollution Chemistry	54	3			
		0599M02	Theory and Application of Environmental Biology	36	2			
		0599M03	Computational Hydraulics	54	3			
	0599M04	Theory and Technology of Water Pollution Control	36	2			2	
	0599M05	Theory and Method of Environmental System Planning	36	2				
9	0900M16	Dialectics of Nature	18	1				
	0599M06	Environmental Ecological Hydraulics and Application	36	2			6	
	0599M07	Principle and Application of Ecology	36	2				
	0599M08	Solid Waste Management and Disposal	36	2				
	0599M09	Water Environment Protection and Bioremediation	36	2				
	0599M10	Groundwater and Medium Pollution Control	36	2				
	0599M11	Theory and Technology of River and Lake Water Quality Control	36	2				
	0599M12	Principle and Technology of Non – source Pollution Control	36	2				
	0599M13	Development of Environmental Science and Technology English	36	2				
	0599M14	Application of Large Instruments	36	2				
	0000M10	Comprehensive Quality	18	1				
				36	2			
3				1				
				1				
				1				

090301

Soil Science

09

0903

1 Agricultural water and soil conservation

2 Soil pollution and its control

3 Soil improvement by water conservancy measure

4 Land arrangement

5 Soil obstacle and its fertilization in protected agri-

culture

31

18

10

3

18		First Foreign Language	108	4		
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	1000M02	Numerical Analysis	54	3		
	1000M18	Mathematical Statistics	54	3		
	0207M01	Agricultural Soil and Water Environment Engineering	36	2		
	0206M02	Planning of Soil and Water Resources	36	2		
	0207M03	Installation Agriculture – Engineering and Technology	36	2		2
	0207M04	Special Subject on Agricultural Waste Treatment and Disposal	36	2		

120100

Management Science and Engineering

12

120100

- 1 Theory and Method of Management Science
- 2 Project Management and Engineering Management
- 3 Financial Engineering and Investment Management
- 4 Information Management and Electronic Commerce

31

18

10

3

18		First Foreign Language	108	4				
		0900M17 Socialism with Chinese Characteristics Theory and Practice	36	2				
		0899M08	Advanced Management	36	2		4	
		0899M09	Advanced Economics	36	2			
		0899M51	Applied Statistics and Econometric Models	36	2			
		0899M22	Modern Decision Methods	36	2			
		0899M56	Advanced Operations Research	36	2			
		0899M29	Economic Game Theory	36	2			
		0801M02	System Engineering	36	2		4	
		0801M03	Project Management	36	2			
		0844M51	Operations Management	36	2			
		0844M53	Engineering Management Theory and Application	36	2		4	
0844M52		Industrial Engineering	36	2				
0900M15		Marxism and Methodology of Social Sciences	18	1				
10	0844M54	Time Series and Nonlinear Statistics	36	2		6		
	1000M03	Method of Optimization	54	3				
	1000M07	Engineering Stochastic Process	54	3				
	0899M30	Financial Engineering	36	2				
	0801M08	Advanced Information System Development	36	2				
	0801M09	Information Management and Services	36	2				
	0000M10	Comprehensive Quality	18	1				
			36	2				
3				1				
				1				
				1				

## Business Administration

1	Accounting		
2	Financial Management		
3	Marketing		
4	Human Resource Management		
5	Strategic Management		
6	Knowledge Management and Intellectual Property Rights		
7	Marina Management		
8	Economics and Management of Technology		
		31	18
10	3		

18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	0899M08	Advanced Management	36	2			4
	0899M09	Advanced Economics	36	2			
	0899M51	Applied Statistics and Econometric Models	36	2			
	0899M22	Modern Decision Methods	36	2			
	0899M33	Business Research Methods	36	2			
	0855M53	Seminar of Business Administration	36	2			
	0813M03	Strategic Management	36	2			2
	0813M02	Human Resources Management	36	2			
	0855M59	Corporate Finance	36	2			
	0855M60	Corporate Finance Analysis	36	2			
	0855M51	Theory and Practice of Marketing	36	2			
	0899M34	Knowledge Management	36	2			
	0855M55	Theory and Methods of Accounting	36	2			
	0855M61	Marina Management Theory and Practice	36	2			
	0855M54	Brand Position	36	2			4
	0899M31	Trade and Management of Intellectual Property Rights	36	2			
	0899M57	Technical Innovation Management	36	2			
	0817M01	Transnational Operation and Management	36	2			
	0855M58	Advanced Management Accounting	36	2			
	0899M54	Business Competitive Strategy and Competition Analysis	36	2			
	0817M13	Organizational Theory and Design	36	2			
	0817M02	Personnel Measurement	36	2			
0855M56	Financial intermediation and capital markets	36	2				
0855M52	Sales and Customer Management	36	2				
0855M57	Advanced Auditing	36	2				
0855M62	Marina Club Management	36	2				
0855M64	Marina Business Plan	36	2				



		0855M65	Yachts Investment and Industry	36	2	
		0855M67	Marina Management Workshop		2	
10		0900M15	Marxism and Methodology of Social Sciences	18	1	
					6	6
		0000M10	Comprehensive Quality	18	1	
				36	2	
3					1	
					1	
					1	

Economics and Management of Technology

12

1202

1 Technology and Innovation Management

2 Technology Economics and Management of Resources

3 Economics and Management of Technology in

Water Resources and Hydropower

31

18

10

3

18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	0899M08	Advanced Management	36	2		4	
	0899M09	Advanced Economics	36	2			
	0899M51	Applied Statistics and Econometric Models	36	2			
	0899M22	Modern Decision Methods	36	2			
	0805M02	Technology Management	36	2			
	0899M55	Technology Economics	36	2		4	
	0817M09	Theory and Methods of Technology Economy Appraisal	36	2			
	0805M01	Public project evaluation and policy analysis	36	2			
	0817M16	High – Tech Project Management	36	2			
	0899M57	Technology Innovation Management	36	2			
	10	0900M15	Marxism and Methodology of Social Sciences	18	1		6
					6		
0000M1		Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

Public Management

1	Administration Management		
2	Social Security		
3	Land Resource Management		
4	Resettlement Management		
		31	18
10	3		

18		First Foreign Language	108	4			
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2			
	0905M01	Economics	36	2			6
	0905M02	Management	36	2			
	0905M05	Public Policy Theory	36	2			
	0905M04	Applied Statistics	36	2			
	0905M17	Public Organization Theory	36	2			
	0905M08	Public Human Resource Management	36	2			4
	0905M03	Public Economics	36	2			
	0913M10	Social Security	36	2			
	0914M01	Theories and Method of Land Resource Management	36	2			
	0905M07	Public Administration	36	2			2
	0914M10	Migration and Resettlement Sociology	36	2			
	0914M12	GIS Remote Sensing and GIS Application	36	2			
0913M03	Social Security Fund Management	36	2				
10	0900M15	Marxism and Methodology of Social Sciences	18	1			
	0914M13	Water Resource and Environment Management	36	2			6
	0905M18	Comparison of Local Governance	36	2			
	0913M09	Social Welfare and Social Relief	36	2			
	0913M02	Social Security Research	36	2			
	0914M04	Land Policy and System	36	2			
	0914M03	Land use plan and Methods	36	2			
	0000M10	Comprehensive Quality	18	1			
			36	2			
3				1			
				1			
				1			

120502

Information Science

12

1205

1 Business Competitive Intelligence

2 Business Data Analysis and Mining

3 Information Resources Planning and Manage-

ment

4 Information Security Management

31

18

10

3

18		First Foreign Language	108	4		
	0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
	0899M08	Advanced Management	36	2		4
	0899M09	Advanced Economics	36	2		
	0899M51	Applied Statistics and Econometric Models	36	2		
	0899M22	Modern Decision Methods	36	2		
	0815M01	Theory of Competitive Intelligence	36	2		
	0899M54	Business Competitive Strategy and Competition Analysis	36	2		
	0815M02	Analyzing Methods Techniques and Tools of Competitive Intelligence	36	2		
	0815M03	Information Collecting and Business Source	36	2		
10	0900M15	Marxism and Methodology of Social Sciences	18	1		
	0815M04	Information Organization	36	2		
	0815M06	Law and Regulations and Ethics of Business Intelligence	36	2		
				2		2
	0000M10	Comprehensive Quality	18	1		
			36	2		
3				1		
				1		
				1		

# 河海大學

## 碩士研究生培養方案



河海大學研究生院

二〇一一年六月