4

3　　　　6　　　　　2

3

2　　　　5　　　　1

5　6　　　　7

2

2　　　4　　　　1

18　　　　　　12

6

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18　　　　9　　　3

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25

20　　　5

$2 - 3$

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70

60　　　　　　　　75　　　　　　　　　　　60

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2

50%   5000

                                                        30

40%   3000

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                        SCI
    2
    1   1   SCI   SSCI   AHCI

    2   2   SCI   EI   1

3 3 CSSCI

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2

SCI   EI

"   "
2

4

0101

Philosophy

01

1	Marxist philosophy
2	Philosophy of Science and Technology
3	Ethics

31   18

10   3

			First Foreign Language	108	4		
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
18		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		6
		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		

020106

Population Resources and Environmental Economics

02   0201

1   Population Economics

2   Environmental Economics

3   Resource Economics

4   Sustainable Development Economics

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		4
		0814M05	Population Economics	36	2		
		0899M24	Resource and Environmental Economics	36	2		
		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		

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

				108	4		
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		4
		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		6
		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							

Law

03   0301

1   Science of environment and natural resources protection
law

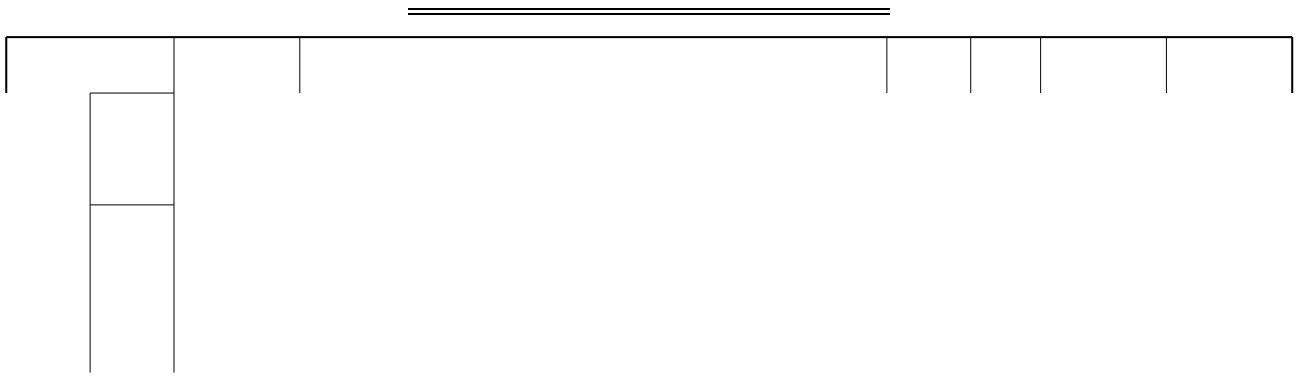2   Civil law and commercial law

3   Constitutional law and administrative law

32   20

9   3

18

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

31　　　　　　　　　　　18

10　　　　3

			First Foreign Language	108	4		
18		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	Social Research Methods I [1]	36	2		
		0903M05	Social Research Methods II [2]	36	2		4
		0903M18	Social statistics	36	2		
		0903M06	Migration and Resettlement Sociology	36	2		
		0903M07	Rural Sociology	36	2		
		0903M08	Environmental Sociology	36	2		4
		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		
		0903M10	Urban Sociology	36	2		
		0903M11	Economic Sociology	36	2		
		0903M14	Sociology of development	36	2		
		0903M16	History of Chinese Society	36	2		6
		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		

030501

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

			First Foreign Language	108	4	
18		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	6
		0902M05	Ideological and Political Education & Affairs Management of College Students	36	2	
		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   Meantal health and education
2   Social and managerial psychology
3   Applied developmental psychology

                        31   18
10   3

			First Foreign Language	108	4		
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
18		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 Managemerial 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		

Literature and Art Science

05   0501

1	Writing
2	Literature Criticism
3	Media Culture

31   18

10   3

			First Foreign Language	108	4		
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
18		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	
		0912M08	Transmission system and policy	36	2	
		0912M16	Audio – visual language	18	1	
		0912M10	Public relations	18	1	5
		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	Cu den eealic 5 2			

070205

Condensed Matter Physics

08   0702

1   Nano – optoelectronics Technology
2   Design and calculation research of nanomateri-
als
3   Preparation and properties research of nanomateri-
als
4   Thin Film Physics
5   Magnetism in solids

                                        30   19
8   3

			First Foreign Language	108	4		
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
19		1000M01	Fundamentals of Matrix Theory	36	2		5
		1000M02	Numerical Analysis	54	3		
		1000M10	Partial Differential Equations in Mathematics and Physics	54	3		
		1004M05	Advanced Quantum Mechanics	54	3		
		1004M07	Fundamental of Materials	36	2		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		4
		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

			First Foreign Language	108	4	
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2	
		1000M01	Matrix Theory	36	2	
		1000M18	Mathematical Statistics	54	3	5 – 6
		1000M03	Methods of Optimization	54	3	
		1000M02	Numerical Analysis	54	3	
19		0105M01	Contemporary Geomorphology	36	2	
		1601M17	Quaternary Environment Change	54	3	4
		1601M13	Global Change	36	2	
		1601M03	Geo – Analysis with Remote Sensing	36	2	1
		1601M04	Contemporary Cartography	36	2	
		1601M15	Regional Planning	36	2	4
		0101M29	Eco – hydrology	36	2	
		0101M26	Basic Theory of Digital Watershed	36	2	
		0900M16	Dialectics of Nature	18	1	
		0101M02	Theory of Runoff Generation and Concentration	36	2	
		0101M10	Planning and Management of Water Resources System	36	2	
10		1601M07	Spatial analysis and modeling	36	2	6
		1601M16	Land Assessment and Planning	36	2	
		0101M24	Geographic Information System and Application	36	2	
		0000M10	Comprehensive Quality	18	1	
				36	2	
					1	
3					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		
		1601M03	RS Geo – Analysis	36	2		
		0106M06	Regional Water Resources Planning	36	2		
		1601M04	Contemporary Cartography	36	2		6
		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   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		5
		1601M10	Geographic Thought and Theory	36	2		
		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

			First Foreign Language	108	4		
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
18		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		5
		0303M06	Environmental Marine Dynamics	36	2		
		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   CAD/CAPP/CAM/CAE system – integrated technology and development

4   Reliability design and strength methodology to mechanical structure

5   Manipulator and intelligent control to mechanical euipment

30   19

8   3

			First Foreign Language	108	4	
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2	
19		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	
		1803M06	Hydraulic System design & Control	36	2	4
		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	

080402

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		3
		1000M02	Numerical Analysis	54	3		
		1000M18	Statistics	54	3		
		1000M07	Engineering Stochastic Processes	54	3		
		0602M02	Digital Signal Processing	54	3		2
		0602M12	Modern Testing Technology	36	2		
		0604M05	Theory and Application of Computer Control	36	2		
		0604M07	Intelligent Control	36	2		2
		0602M13	Weak Signal Measurement	36	2		
		0602M03	Intelligent Instrument Design	36	2		
9		0900M16	Dialectics of Nature	18	1		5
		0602M05	Information Fusion	18	1		
		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		
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
		1344M01	Physical Chemistry of Materials	54	3		5 – 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		
		1000M01	Matrix Theory	36	2		
		1344M03	Structures and Properties of Materials	36	2		4 – 5
		1344M02	Modern Analysis Methods for Materials	36	2		
		1344M05	Material Thermodynamics	36	2		
		1344M06	Physical Metallurgy	54	3		
		1802M10	Modern control engineering	36	2		
		1344M04	Advanced Materials Science	36	2		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		
10		0900M16	Dialectics of Nature	18	1		6
		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		

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

Fluid Mechanics and Engineering

08   0807

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		4
		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	5
		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	
				36	2	
					1	
					1	
3						

Circuits and Systems

08   0809

31   18

10   3

			First Foreign Language	108	4		
18		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		5
		0707M02	Theory & Methods of Modern Signal Processing	36	2		
		0707M03	Theory of Communication and Coding	54	3		
		0707M04	Introduction to Information Systems Design	36	2		2
		0707M05	Detection and Estimation Theory	36	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		

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		
		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		6
		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

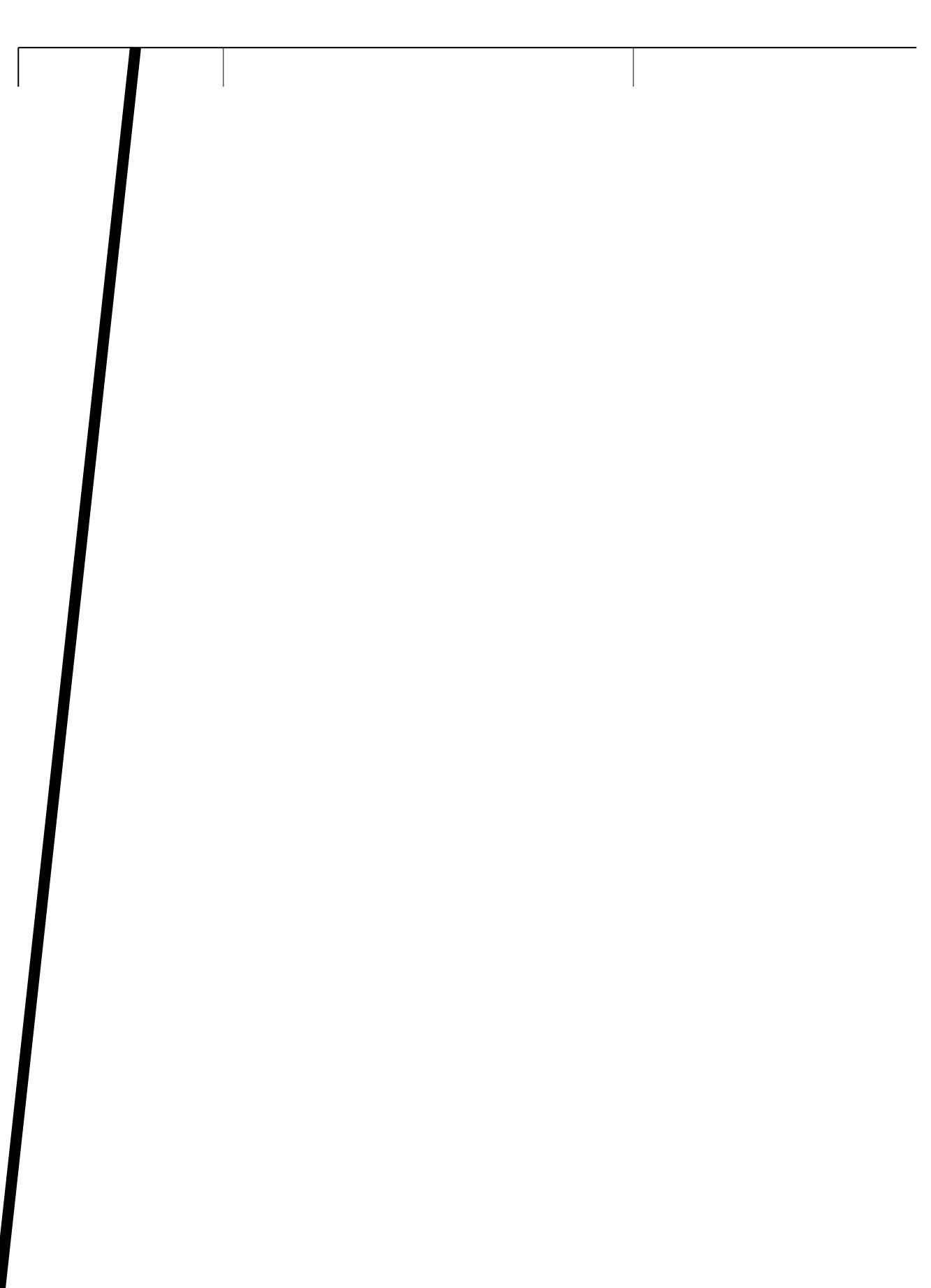7 　　　　　Theories and Application of Pattern Information Recog-
nition

30 　　　　　　　18

9 　　　3

				108	4		
18			First Foreign Language				
		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		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		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

			First Foreign Language	108	4		
18		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		
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
		1000M01	Matrix Theory	36	2		5 – 6
		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		
		0402M04	Theory and Technology of Geotechnical Testing	36	2		6
		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		

081402

Structural Engineering

08   0814

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

30   18

9   3

Stee

Plate and Shell Struc

18

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 engi-
neering 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

			First Foreign Language	108	4		
19		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
		1000M01	Matrix Theory	36	2		5 – 6
		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		
		0402M05	Soil Dynamics	36	2		6
		0405M14	Base Isolation Technology	36	2		
		0402M13	Rock Dynamics	36	2		
		0405M09	Theory of Ctructure 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		

081406

Bridge and Tunnel Engineering

08   0814

1   Design theory of compos-
ite and novel prestressed concrete bridge

2   Bridge seismic maintance and Post – disaster re-
habilitation

3   Safety monitoring and control of long – span bridge

4   Water disaster prevention and control of tun-
nel engineering

5   Design and analysis theory of modern tunnel en-
gineering

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	

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		4
		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		

			First Foreign Language	108	4	
18		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	4
		0101M16	Soil Hydrology	36	2	
		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	4
		0101M17	Risk analysis and Decision making of Hydrology and Water Resources	36	2	
		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	
10		0900M16	Dialectics of Nature	18	1	
		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 anc	6	2	

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

			First Foreign Language	108	4		
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
19		1000M02	Numerical Analysis	54	3		6
		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

1

			First Foreign Language	108	4		
18		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		
		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		6
		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		

081504

Water Conservancy and Hydropower Engineering

08   0815

1   Water resources and hydropower system plan-
ning 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 renew-
able energy

31   18

10   3

				108	4		
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		
		0201M95	Computational hydraulics	36	2		
		0201M90	Theory of similarity and measurement technique	36	2		6
		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 inter-
action with surrounding medium

5   Economy   planning and management of waterway
transportation engineering

30   18

9   3

			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		
18		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		5
		0301M07	Simulating Techniques of Estuarine and Coastal Hydrodynamics	36	2		
		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 − Hydro

			First Foreign Language	108	4		
		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		6
		1000M03	Methods of Optimization	54	3		
18		0102M12	Applied Ecology	36	2		
		0102M04	Eco – hydrology	36	2		
		0102M20	Environmental Hydraulics	36	2		2
		0102M17	Hydrobiology	36	2		
		0102M01	Mathematic Model of Water Environment	36	2		
		0102M05	Ecological Safety	36	2		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		
		0102M08	Planning & Management on Integrated Utilization of Soil & Water Resources	36	2		
		0102M19	Wetland Ecology	36	2		6
		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	
	1000M10	Partial Differential Equations in Mathematics and			

18

081522

Coastal Resources and Environment

08   0815

1   Coastal dynamics and disasters
2   Coastal environment monitoring and information
technology
3   Coastal resources exploitation   manage-
ment and sustainable development
4   Coastal engineering and landscape
5   Coastal ecological environment and wetland pro-
tection

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		
		1433M02	Special Topic on the Environmental Law	36	2		
		1433M04	Special Topic on the Natural Resources Law	36	2		4 – 6
		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		5 – 6
		0301M02	Sediment Processes	36	2		
		0301M03	Port Engineering	36	2		
		0301M04	Waterway Engineering	36	2		
		0301M05	Coastal and Offshore Engineering	45	2.5		3 – 4
		0302M01	Coastal Resource Exploiting and Management	36	2		
		0900M16	Dialectics of Nature	18	1		

0301M07   Simulating Techniques of Estuarine and Coastal Hydrodynamics

081523

Water Hazard and Safety

08   0815

31   18

10   3

			First Foreign Language	108	4	
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2	
18		1000M02	Numerical Analysis	54	3	6
		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	Intellgient Information Processing
4	Information Acquisition & Processing
5	Digital Hydrology

31   18

10   3

			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		4
18		0702M21	Modern Digital Signal Processing	54	3		
		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		
		0900M16	Dialectics of Nature	18	1		
		0704M03	Software Reuse	36	2		
		0703M23	Principles of Artificial Intelligence	36	2		
		0702M05	Remote – sensing and Remote – control Systems	36	2		
		0702M26	Embedded Systems	36	2		6
10		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		
					1		
3					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

				108	4	
18		0900M17	First Foreign Language			
			Socialism with Chinese Characteristics Theory and Practice	36	2	
		1000M01	Fundamentals of Matrix Theory	36	2	6
		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

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	
		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

18

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

				108	4		
18		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		

Cartography and Geographic Information Engineering

08   0816

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		

Geological Resource and Geological Engineering

08

1　　　　　Geological Engineering

2　　　　　　　Geophysical Prospecting and Information Technology

30　　　　　　　18

9　　　　3

18	I		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	
	J	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	
	\ò	1644M08	Stability Assessment of the Geological Body	36	2	
		1644M09	Theory and method for WRI simulation	36	2	
		1644M10	Geo – environment Monitoring and			

3				1		
				1		
				1		

2 – 3

082303

Transportation planning and management

08   0823

1   Comprehensive transportation plan and management

2   Transportation information and control

3   Modern logistics and transportation technology

4   Road engineering

5   Traffic safety theory and application

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	
		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	Traff			

Soil and water en

Agricultural bio – environment and energy engineering

08   0828

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

18

Environmental Science and Engineering

08   0830

1   Water Resource Protection and Bioremediation

2   Environmental Ecological Hydraulics and Appli-
cation

3   Environmental System Planning and Complex As-
sessment

4   Water Pollution Control and Water Treatment En-
gineering

5   Solid Waste Disposal and Resourced Utilization

30   18

9   3

			First Foreign Language	108	4		
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
18		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		

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		

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

			108	4		
18			First Foreign Language			
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2	
		0899M08	Advanced Management	36	2		
		0899M09	Advanced Economics	36	2		4
		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		4
		0801M02	System Engineering	36	2	
		0801M03	Project Management	36	2	
		0844M51	Operations Management	36	2		4
		0844M53	Engineering Management Theory and Application	36	2	
		0844M52	Industrial Engineering	36	2	
10		0900M15	Marxism and Methodology of Social Sciences	18	1		6
		0844M54	Time Series and Nonlinear Statistics	36	2	
		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	

1202

Business Administration

12   1202

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

				108	4		
			First Foreign Language				
		0900M17	Socialism with Chinese Characteristics Theory and Practice	36	2		
		0899M08	Advanced Management	36	2		
		0899M09	Advanced Economics	36	2		
		0899M51	Applied Statistics and Econometric Models	36	2		4
		0899M22	Modern Decision Methods	36	2		
		0899M33	Business Research Methods	36	2		
		0855M53	Seminar of Business Administration	36	2		
		0813M03	Strategic Management	36	2		
		0813M02	Human Resources Management	36	2		
		0855M59	Corparate Finance	36	2		
		0855M60	Corporate Finance Analysis	36	2		
		0855M51	Theory and Practice of Marketing	36	2		2
		0899M34	Knowledge Management	36	2		
18		0855M55	Theory and Methods of Accounting	36	2		
		0855M61	Marina Management Theory and Practice	36	2		
		0855M54	Brand Position	36	2		
		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		4
		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 Wanagement	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		

120204

Economics and Management of Technology

12   1202

1   Technology and Innovation Management
2   Technology Economics and Management of Resources
3   Economics and Management of Technolegy in
Water Resources and Hydropower

                              31   18
10   3

			First Foreign Language	108	4		
18		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		
		0817M09	Theory and Methods of Technology Economy Appraisal	36	2		4
		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		

1204

Public Management

12

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		4
		0905M08	Public Human Resource Management	36	2		
		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		6
		0914M13	Water Resource and Environment Management	36	2		
		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		

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

			First Foreign Language	108	4		
18		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		

河海大学

硕士研究生培养方案

河海大学研究生院

二〇一一年六月