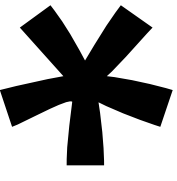


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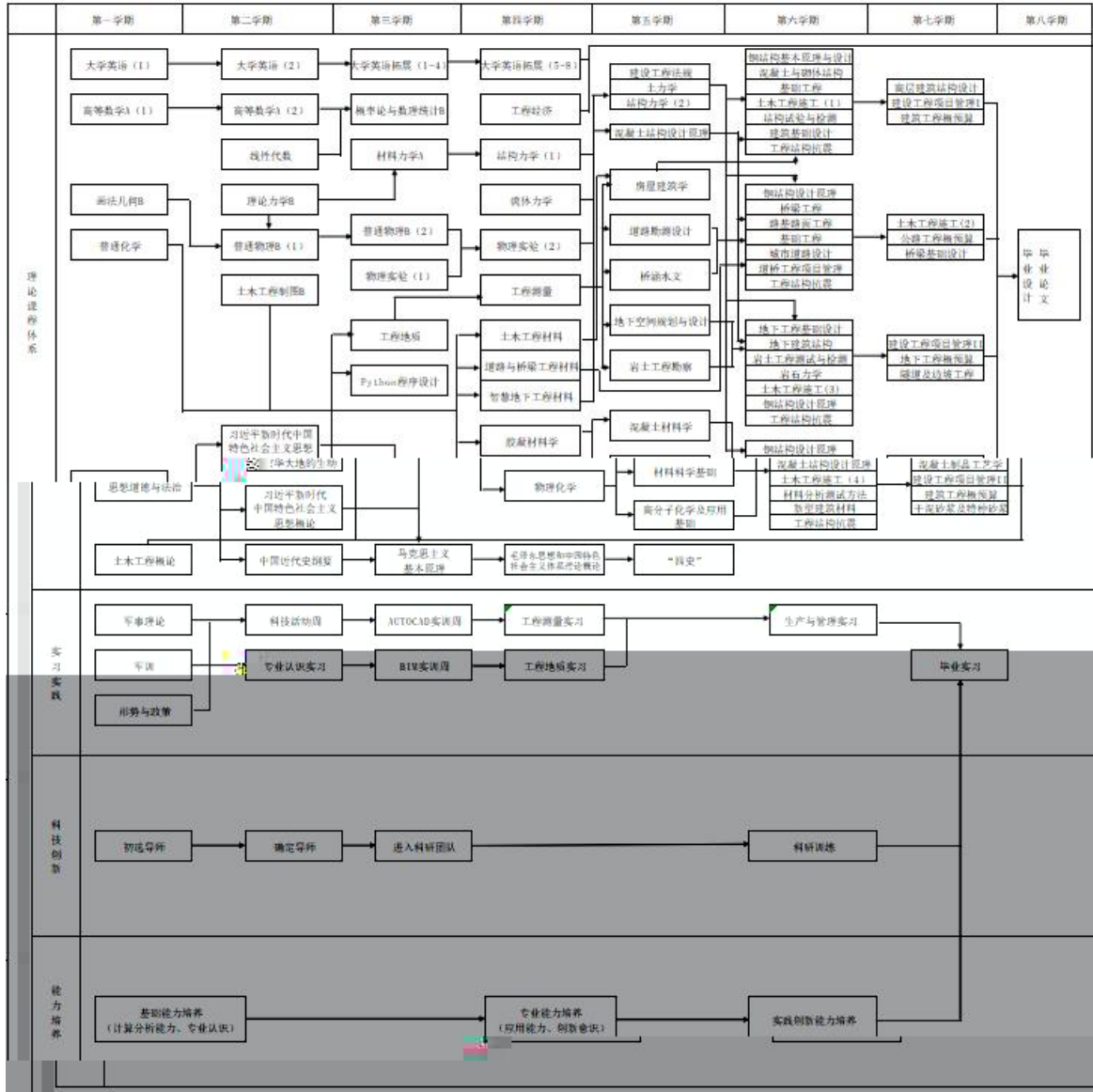


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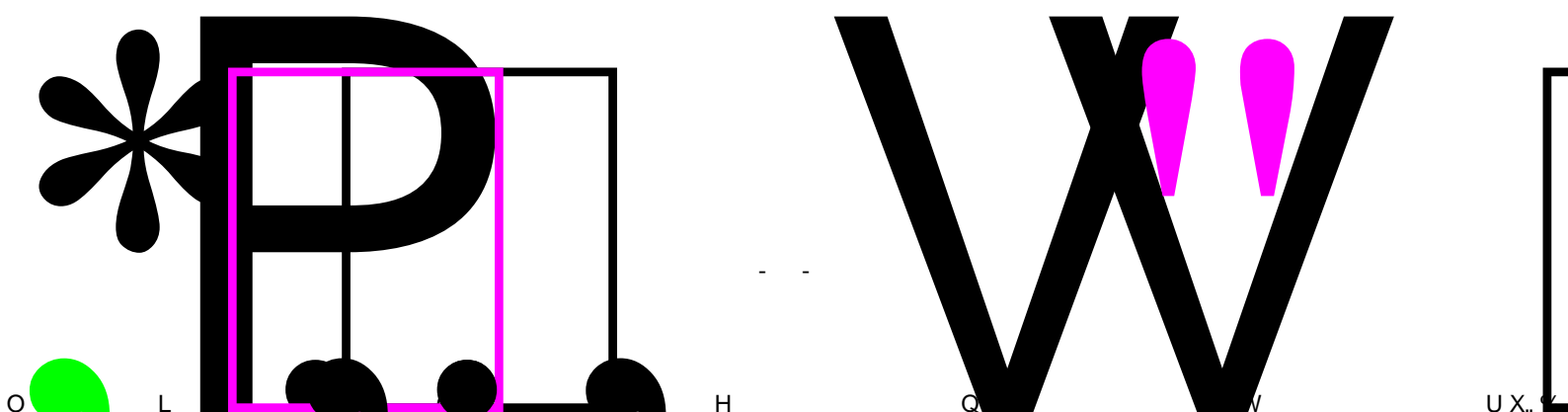


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		Ideological Morality and Rule of Law	3	48	48															1
		The Outline of the Modern Chinese History	3	48	32					16										2
		Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	3	48	48															2
		The Vivid Practice of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era in Beijing	0.5	8	8															2
		Basic Principle of Marxism	3	48	48															3
		Introduction to Mao Zedong Thoughts and Theoretical System of Socialism with Chinese Characteristics	3	48	48															4
		1-4 Situation and Policy(1-4)	2	32	32															1-4
		College Student Occupation Career and Development Planning	1	16	16															2
		The Mental Health of College Students	1	16	16															1
		(1-2) English(1-2)	6	128	96															32 1-2
		1-4 College English Training 1-4	2	32	32															3
		5-8 College English Training 5-8	2	32	32															4
		(1-4) Physical Education(1-4)	4	120	120															1-4
		Introduction to Computational Thinking	1.5	56	24															32 1
		" " History of the Communist Party of China History of New China History of Reform and Opening up and History of Socialist Development	0.5	8	8															1-7
			35.5	688	608															48 32
			2	32																1-8
			2	32																1-8
			2	32																1-8
			2	32																1-8
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	A 1	5	92	80				12	1			
	Advanced Mathematics A(1)											
	A 2	5	84	80				4	2			
	Advanced Mathematics A(2)											
	Linear Algebra	2	40	32				8	2			
	B	3	48	44				4	3			
	Theory of Probability and Statistics B											
	The Improvement of Applied Mathematics	1.5	24	24					4			
	B 1-2	6	104	96			8		2-3			
	College physics(1-2)											
	1-2	2	60		60				3-4			
	Physics Experiment(1-2)											
	B	2	36	32				4	1			
	Descriptive Geometry B											
	College Chemistry	2.5	40	32	8				1			
	Introduction of Civil Engineering	1	16	16					1			
	B	2	36	32				4	2			
	Civil Engineering Drawing B											
	B	3	52	44	2			6	2			
	Theoretical Mechanics B											
	A	4.5	88	72	8			8	3			
	Mechanics of Materials A(Bilingual)											
	1	4	64	64					4			
	Structural Mechanics(1)(Bilingual)											
	Engineering Geology	1.5	24	24					3			
	Engineering Survey	3	48	44	4				4			
	Fluid Mechanics	1.5	24	20	4				4			
	Engineering Economics	1.5	24	24					4			
	Python	2	32	16		16			3			
	Python program design											
	Soil Mechanics(Bilingual)	2.5	40	32	8				5			
	Construction Project Laws	1	16	16					5			
	Seismic Design of Engineering Structures	1.5	24	24					6			
		58	1016	848	94	16	8	50				

		Building materials and living environment	1.5	24	24							2
		Computing Method	1.5	24	24							4
		Electrotechnics	2	32	24	8						5
		Elastic Mechanics	2	32	32							5
		Data mining and machine learning	1.5	24	24							5
		Visual analysis of data	1.5	24	24							6
		Construction Machinery	2	32	32							6
		Structural Stability and Ultimate Load	1.5	24	24							6
		Construction Equipment	1.5	24	24							7
			3	48	48							
			61		58				3			
		Design Principles of Concrete Structures	4	64	58	6			6			5
		Basic Principle and Design of Steel Structures(Bilingual)	3	48	48							6
		Concrete and Masonry Structures	3	48	48							6
		1 Construction of Civil Engineering (1)	3	48	44	4			8			6
		Foundation Engineering	1.5	24	24							6
		Structural Design of High-rise Buildings	3	48	48							7
			17.5	280	270	10			14			
		Design Principles of Concrete Structures	4	64	58	6			6			5
		Design Principles of Steel Structures(Bilingual)	1.5	24	24							6
		Road Survey and Design	3	48	48							5
		Bridge Engineering	4	64	64							6
		Roadbed and Pavement Engineering	3	48	48							6

		(2) Constructi on of Ci vil Engi neeri ng (2)	2	32	28	4					7	
			17.5	280	270	10		6				
		Desi gn Pri nci pl es of Concrete Structures	4	64	58	6		6			5	
		Desi gn Pri nci pl es of Steel Structures(Bi l i ngual )	1.5	24	24						6	
		( )Pl anni ng and Desi gn of Underground Space	2	32	32						5	
		(3) Constructi on of Ci vil Engi neeri ng (3)	3.5	56	52	4					6	
		Underground engi neeri ng Foundati on Desi gn	3.5	56	56						6	
		Underground Bui l di ng Structures	3	48	48						6	
			17.5	280	270	10		6				
		Cementi ti ous Ma teri al Sci ence	2.5	40	36	4					4	
		Concrete sci ence	3.5	56	44	12					5	
		Foundati on of Ma teri al Sci ence	3	48	40	8					5	
		Desi gn Pri nci pl es of Concrete Structures	4	64	58	6		6			6	
		Desi gn Pri nci pl es of Steel Structures(Bi l i ngual )	1.5	24	24						6	
		4 Constructi on of Ci vil Engi neeri ng (4)	2	32	32						6	
			16.5	264	234	30		6				
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			Civil Engineering Materials	2.5	40	32	8						4
			Building Construction	2.5	40	40							5
			2 Structural Mechanics(2)(Bilingual)	3	48	48							5
			1 Construction Project Management I	2	32	32							7
			Test and Detection of Building Structures	1.5	24	16	8			12			6
			Budget of Construction Engineering	1.5	24	24							7
			Foundati on Desi gn of Buildings	1.5	24	24							6
				14.5	232	216	16	0	12	0			
			Road and Bridge Building Materials	2.5	40	32	8			8			4
			Hydrology of Bridge and Culvert	1.5	24	24							5
			2 Structural Mechanics(2)(Bilingual)	3	48	48							5
			Urban Road Design	1.5	24	20	4						6
			Foundati on Desi gn of Bridges	2	32	32							7
			Foundati on Engi neeri ng	1.5	24	24							6
			Constructi on Pl an of Roads and Bri dges	1	16	16							6
			H ghway Engi neeri ng Budget	1.5	24	20		4					7
				14.5	232	216	12	4	8	0			
			Intel li gent Underground Engi neeri ng Materi als	2.5	40	32	8						4
			2 Structural Mechanics(2)(Bilingual)	3	48	48							5
			geotechni cal engi neeri ng i nvesti gati on	1.5	24	20	4						5
			Test and Detecti on Technol ogy of Geotechni cal Engi neeri ng	1.5	24	20	4						6
			Rock Mechani cs	1	16	16							6
			Tunnel and Slope Engi neeri ng	2.0	32	32							7

	II					
Constructi on Proj ect Management II	1.5	24	24			7
Budget of						
Underground Engi neeri ng	1.5	24	24			7
	14.5	232	216	16		
Physi cal chemi stry	3	48	40	8		4
Pol ymer Chemi stry and Appl i cati ons	2	32	32			5
New bui l di ng						
materi al s	1.5	24	24			6
Material						
anal ysi s test method	2.5	40	20	20		6
Technol ogy of						
concrete products	2	32	32			7
Speci al dry						
mortar and mortar	1.5	24	24			7
II						
Constructi on Proj ect Management II	1.5	24	24			7
Budget of						
Constructi on Engi neeri ng	1.5	24	24			7
	15.5	248	220	28		
Long-span Steel						
Structures	1.5	24	24			6
Professi onal						
Engl i sh for Bui l di ng engi neeri ng	1	16	16			5

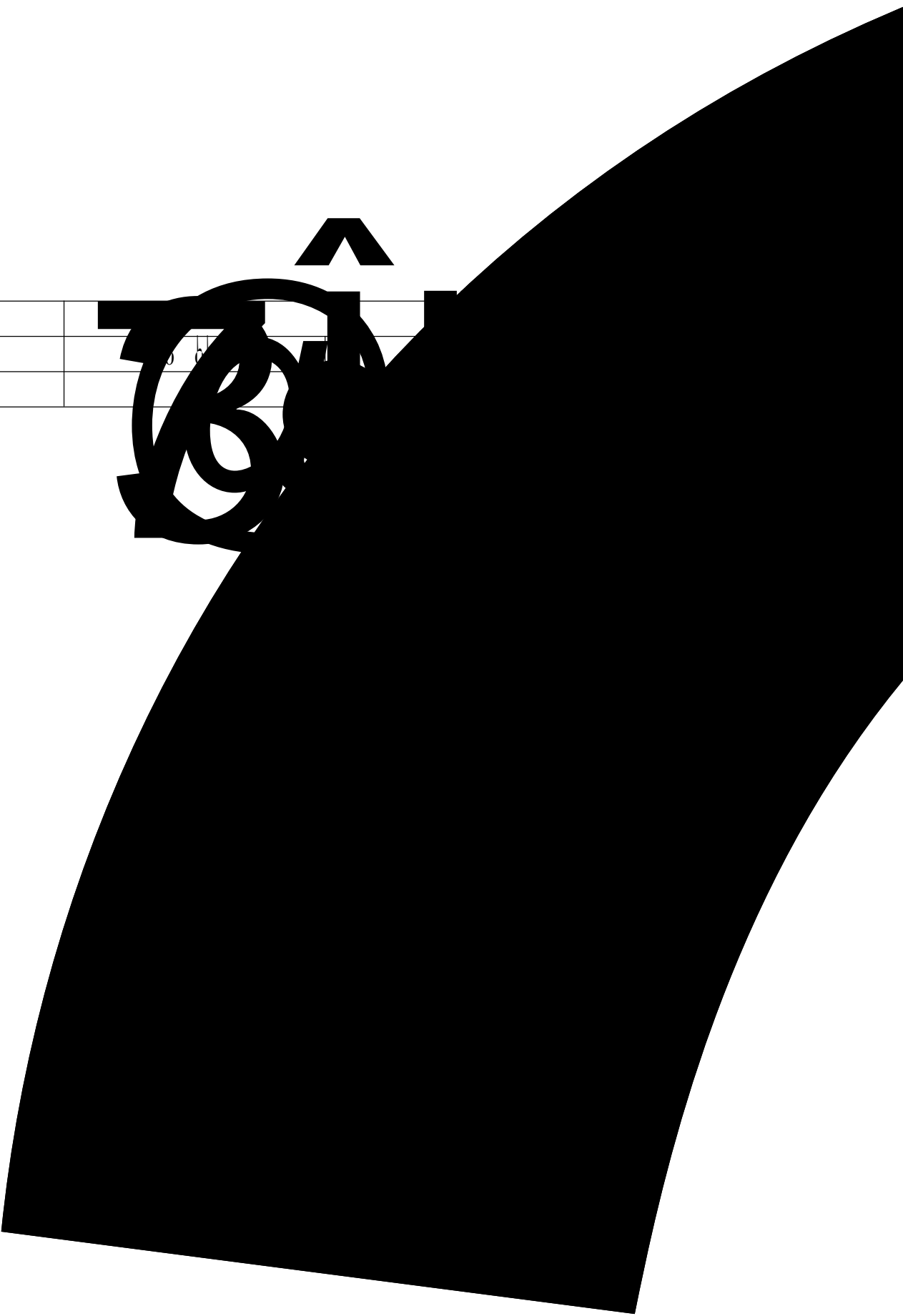
			Underground Engineering and Artificial Intelligence	1	16	16					6	
			Underground engineering aided design	1	16	16					6	
			Housing Architecture	1.5	24	24					6	
			Powder Engineering and Equipment	1.5	24	24					7	
			English for building materials	1.5	24	24					5	
			International Engineering English	1.5	24	24					6	
			High-rise Building Construction	1.5	24	24					7	
			Contract Management	1.5	24	24					7	
			Introduction of Real Estate	1.5	24	24					6	
			Foreign Structural Design Method	1.5	24	24					6	
			International Construction Management(Bilingual)	1.5	24	24					6	
			Code for International Construction	1.5	24	24					7	
			Law and Finance of International Construction	1.5	24	24					7	
			FIDIC FIDIC Contracts	1.5	24	24					7	
				1.5	24	24						
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	Military Theory	2	36			1	1-3
	Military Training	2	112			1	
	Entrance Education					1	0-0.5
	People's City practice	0.5	8			1	
	1-2 Labor Education(1-2)	1	32			3 7	
	Graduation Education					8	18
	volunteer labor					1-8	
	social work					1-8	
	5-8 Situation and Policy(5-8)		32			5-8	
	Science and Technology Week	1	20			2	20
	Professional Practice	1	20			2	19
	AUTOCAD AUTOCAD Practice Week	1	20			3	19
	BIM BIM Practice Week	1	20			3	20
	Engineering Survey Practice	2	40			4	19-20
	Engineering Geology Practice	1	20			4	1
	Production and Management Practice	2	40			6-7	-2 -2 2 2
	Graduating Practices		10			7	20
	Graduation Design	8	150			8	1-15
	Graduation Defense					8	16

	Bui l di ng Constructi on Practi ce	1.5	30			5	18-19.5	
	Practi ce of Desi gn Pri nci pl es of Concrete Structures	1.5	30			5	19.5-20	
	Desi gn Practi ce of Steel Structures(Bi l i ngual )	1.5	30			6	18-19.5	
	Desi gn Practi ce of Concrete Structures	1.5	30			6	19.5-20	
	Constructi on Organi zati on Desi gn Practi ce	1	20			7	18	
	Bui l di ng Foundati on Desi gn Practi ce	1	20			7	3	
	Practi ce of Budget of Constructi on Engi neeri ng	1	20			7	19	
	Desi gn Practi ce of Road Survey	1.5	30			5	18-19.5	
	Practi ce of Desi gn Pri nci pl es of Concrete Structures	1.5	30			5	19.5-20	
	Desi gn Practi ce of Bri dge Engi neeri ng	1	20			6	18	
	Road Survey Practi ce	2	40			6	19-20	
	Constructi on Organi zati on Desi gn Practi ce	1	20			7	3	
	Desi gn Practi ce of Roadbed and Pavement	1	20			7	18	
	Desi gn Practi ce of Bri dge Foundati ons	1	20			7	19	
	Desi gn Practi ce of Underground Space Pl anni ng	1.5	30			5	18-19.5	
	Practi ce of Desi gn Pri nci pl es of Concrete Structures	1.5	30			5	19.5-20	
	Underground engi neeri ng Foundati on Desi gn- Desi gn Practi ce of Shal low Foundati ons	1	20			6	18	
	Desi gn Practi ce of Underground Structures	2	40			6	19-20	
	Constructi on Organi zati on Desi gn Practi ce	1	20			7	3	
	Underground engi neeri ng Foundati on Desi gn-Desi gn Practi ce of Pile Foundati ons	1	20			7	18	
	Underground engi neeri ng Foundati on Desi gn -Desi gn Practi ce of Foundati on Supporti ngs	1	20			7	19	



	1 Professional skills training 1	1.5	30			5	18-19.5	
	Special concrete week	1.5	30			5	19.5-20	
	Practice of Design Principles of Concrete Structures	1.5	30			6	18-19.5	
	2 Professional skills training 2	1.5	30			6	19.5-20	
	Construction Organization Design Practice	1	20			7	3	
	Budget of Construction Engineering Practice of Concrete	1	20			7	19	
	product technology Design	1	20			7	18	
		31.5	740					
	Advanced Engineering Mathematics	1.5	24			6		
	Program Design of Structural Analysis	1.5	24			6		
	Engineering material theory improvement	1.5	24			7		
	Lectures on civil engineering ( )	1	16			3-6		
	Holiday Engineering Practice (Engineering Training)	2	32			7		
	Design software application in Civil Engineering	1	16			7		
	Creative concrete design and production	1	16			7	1	
	Innovative thinking method and practice in civil engineering	2.5	40	28		2	2	
		2.5	40					
		34	31.5	2.5				2






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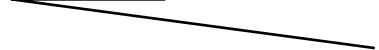
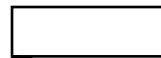
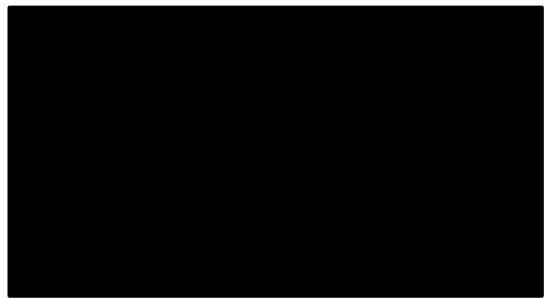
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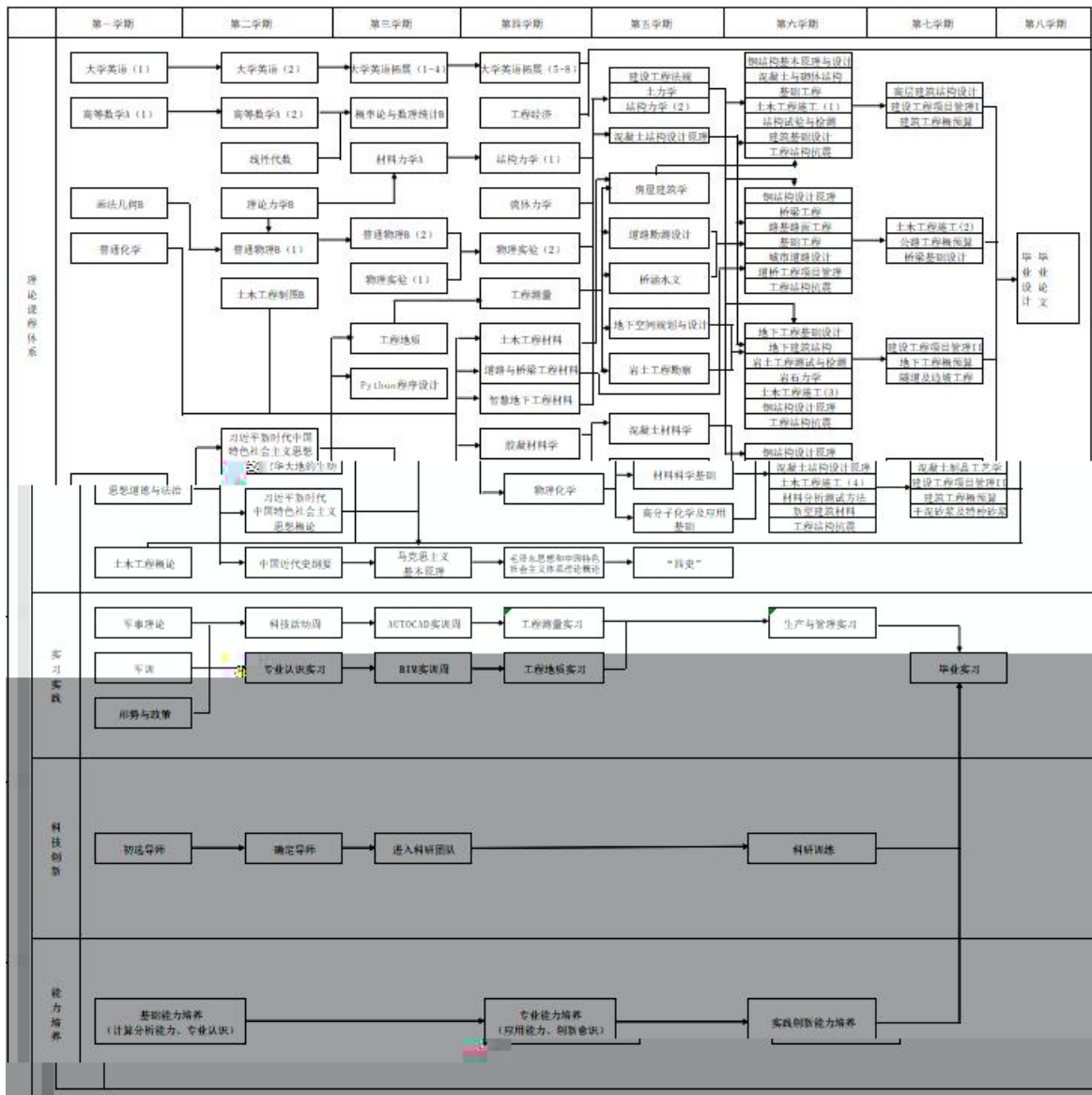
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Law	Ideological Morality and Rule of	3	48	48			1
Chinese History	The Outline of the Modern	3	48	32	16		2
	Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	3	48	48			2
	The Vivid Practice of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era in Beijing	0.5	8	8			2
	Basic Principle of Marxism	3	48	48			3
	Introduction to Mao Zedong Thoughts and Theoretical System of Socialism with Chinese Characteristics	3	48	48			4
	1-4 Situation and Policy(1-4)	2	32	32			1-4
	College Student						
Occupation Career and Development Planning		1	16	16			2
	The Mental Health of College Students	1	16	16			1
	(1-2) English(1-2)	6	128	96	32		1-2
	1-4	2	32	32			3
College English Training	1-4						
	5-8	2	32	32			4
College English Training	5-8						
	(1-4) Physical Education(1-4)	4	120	120			1-4
Thinking	Introduction to Computational	1.5	56	24	32		1
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	History of the Communist Party of China	0.5	8	8			1-7
History of New China	History of Reform and Opening up and History of Socialist Development						
		35.5	688	608	48	32	
		2	32				1-8
		2	32				1-8
		2	32				1-8
		2	32				1-8
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A 1  
Advanced Mathematics A(1)

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Bu ilding materials and li vi ng environment	1.5	24	24			2
Computi ng Method	1.5	24	24			4
Electrotechni cs	2	32	24	8		5
Elasti c Mechani cs	2	32	32			5
Constructi on Machi nery	2	32	32			6
Structural Stabi lity and Ulti mate Load	1.5	24	24			6
Constructi on Equi pment	1.5	24	24			7
	1.5	24	24			
	59.5		58		1.5	

Desi gn Pri nci pl es of Concrete Structures	4	64	58	6	6	5
Basi c Pri nci pl e and Desi gn of Steel Structures(Bi l i ngual )	3	48	48			6
Concrete and Masonry Structures	3	48	48			6
1 Constructi on of Ci vi l Engi neeri ng (1)	3	48	44	4	8	6
Foundati on Engi neeri ng	1.5	24	24			6
Structural Desi gn of High-ri se Bu i l di ngs	3	48	48			7
	17.5	280	270	10	14	
Desi gn Pri nci pl es of Concrete Structures	4	64	58	6	6	5
Desi gn Pri nci pl es of Steel Structures(Bi l i ngual )	1.5	24	24			6
Road Survey and Desi gn	3	48	48			5
Bri dge Engi neeri ng	4	64	64			6
Roadbed and Pavement Engi neeri ng (2)	3	48	48			6
Constructi on of Ci vi l Engi neeri ng (2)	2	32	28	4		7
	17.5	280	270	10	6	

			Design Principles of Concrete Structures	4	64	58	6		6		5	
			Design Principles of Steel Structures(Bilingual)	1.5	24	24					6	
			( )Planning and Design of Underground Space	2	32	32					5	
			(3) Construction of Civil Engineering (3)	3.5	56	52	4				6	
			Underground engineering Foundation Design	3.5	56	56					6	
			Underground Building Structures	3	48	48					6	
				17.5	280	270	10		6			
			Cementitious Material Science	2.5	40	36	4				4	
			Concrete science	3.5	56	44	12				5	
			Foundation of Material Science	3	48	40	8				5	
			Design Principles of Concrete Structures	4	64	58	6		6		6	
			Design Principles of Steel Structures(Bilingual)	1.5	24	24					6	
			4 Construction of Civil Engineering (4)	2	32	32					6	
				16.5	264	234	30		6			
			17.5/17.5/17.5/16.5									

		Civil Engineering Materials	2.5	40	32	8					4	
		Building Construction	2.5	40	40						5	
		2 Structural Mechanics(2)(Bilingual)	3	48	48						5	
		I Construction Project Management I	2	32	32						7	
		Test and Detection of Building Structures	1.5	24	16	8		12			6	
		Budget of Construction Engineering	1.5	24	24						7	
		Foundation Design of Buildings	1.5	24	24						6	
			14.5	232	216	16	0	12	0			
		Road and Bridge Building Materials	2.5	40	32	8		8			4	
		Hydrology of Bridge and Culvert	1.5	24	24						5	
		2 Structural	3	48	48						5	
		Urban Road Design	1.5	24	20	4					6	
		Foundation Design of Bridges	2	32	32						7	
		Foundation Engineering	1.5	24	24						6	
		Construction Plan of Roads and Bridges	1	16	16						6	
		Highway Engineering Budget	1.5	24	20		4				7	
			14.5	232	216	12	4	8	0			
		Intelligent Underground Engineering Materials	2.5	40	32	8					4	
		2 Structural	3	48	48						5	
		geotechnical engineering investigation	1.5	24	20	4					5	
		Test and Detection Technology of	1.5	24	20	4					6	
		Rock Mechanics	1	16	16						6	
		Tunnel and Slope Engineering	2.0	32	32						7	
		II Construction Project Management II	1.5	24	24						7	
		Budget of Underground Engineering	1.5	24	24						7	

			14.5	232	216	16							
		Physical chemistry	3	48	40	8						4	
		Polymer Chemistry and Applications	2	32	32							5	
		New building materials	1.5	24	24							6	
		Material analysis test method	2.5	40	20	20						6	
		Technology of concrete products	2	32	32							7	
		Special dry mortar and mortar	1.5	24	24							7	
		II Construction Project Management II	1.5	24	24							7	
		Budget of Construction Engineering	1.5	24	24							7	
			15.5	248	220	28							
		Long-span Steel Structures	1.5	24	24							6	
		Professional English for Building engineering	1	16	16							5	
		High-rise Building Construction	1.5	24	24							7	
		Introduction to smart detection and health monitoring of structures	1.5	24	16	8			12			6	
		Introduction of Transportation engineering	1.5	24	24							5	
		Detection and Maintenance Technology of Roads	1.5	24	12	12						7	
		Detection and Maintenance Technology of Bridge	1.5	24	24							7	
		Seismic Design of Bridges	1.5	24	24							7	
		Professional English for Road and Bridge engineering	1	16	16							4	
		Intelligent Computer Design of Road and Bridge Engineering	1.5	24	24							7	
		Geotechnical Engineering Scientific English	1	16	16							5	
		Underground Engineering and Artificial Intelligence	1	16	16							6	
		Underground engineering aided design	1	16	16							6	

			Housing Architecture	1.5	24	24						6
			Powder Engineering and Equipment	1.5	24	24						7
			English for building materials	1.5	24	24						5
				16	/				16	/		16
					/			17				
				14.5	/				14.5	/		
				14.5	/			15.5				
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			Data mining and machine Learning	1.5	24	24						5
			Visual analysis of data	1.5	24	24						6
			Digital Image Processing	2	40	24	8			8		5
			Building Internet of Things	1.5	24	18	6					6
			Big Data and Cloud Computation	1.5	24	24						4
			3D Smart 3D Printing Technology and Introduction to Virtual Reality Technology	1.5	48	24	24					6
				3	48	48						
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	Military Theory	2	36			1	1-3
	Military Training	2	112			1	
	Entrance Education					1	0-0.5
	People's City practice	0.5	8			1	
	1-2 Labor Education(1-2)	1	32			3-7	
	Graduation Education					8	18
	volunteer labor					1-8	
	social work					1-8	
	5-8 Situation and Policy(5-8)		32			5-8	
	Science and Technology Week	1	20			2	20
	Professional Practice	1	20			2	19
	AUTOCAD AUTOCAD Practice Week	1	20			3	19
	BIM BIM Practice Week	1	20			3	20
	Engineering Survey Practice	2	40			4	19-20
	Engineering Geology Practice	1	20			4	1
	Production and Management Practice	2	40			6-7	-2 -2 2 2
	Graduating Practices		10			7	20
	Graduation Design	8	150			8	1-15
	Graduation Defense					8	16





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		Basic Principle of Marxism	3	48	48						5	
		The Outline of the Modern Chinese History	3	48	32			16			6	
		Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	3	48	48						6	
		The Vivid Practice of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era in Beijing	0.5	8	8						6	
		" " History of the Communist Party of China, History of New China, History of Reform and Opening up and History of Socialist Development	0.5	8	8						5-7	
			2	32	32						5-8	
			2	32	32						5-8	
			2	32	32						5-8	
			2	32	32						5-8	
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			5-8									
			5-8									
			1									
		14	10	"	"							
		5-7		0.5				2			2	

		Building Mechanics	2	32	32						5	
		Soil Mechanics and basement Engineering	3.5	56	48	8					5	
		Civil Engineering Materials	2.5	40	24	16					5	
		BIM Advanced BIM Technology	1.5	24	24						5	
			9.5	152	128	24						
			9.5									

		Design Principles of Concrete Structures	4	64	58	6		6		5	
		Basic Principle and Design of Steel Structures	3	48	48					6	
		Concrete and Masonry Structures	2.5	40	40					6	
		Construction of Building Engineering	4	64	64					6	
		Construction Project Management I	2	32	32					7	
			15.5	248	242	6		6			
		Seismic Design of Engineering Structures	2	32	32					6	
		Structural Design of High-rise Buildings	2	32	32					7	
		Test and Detection of Building Structures	1.5	24	16	8		12		7	
		Budget of Construction Engineering	1.5	24	24					7	
		Contract Management	2	32	32					7	
		Construction Machinery	2	32	32					6	
		Design software application in Civil Engineering	3	48	48					7	
			14	224	216	8		12			
		3D Smart 3D Printing Technology and Introduction to Virtual Reality Technology	1.5	48	24	24				6	
		Evaluation and Retrofit of Historic Buildings	1.5	24	24					6	
		Structural Retrofit and Detection	1.5	24	24					7	
		Civil Engineering Ethics	1.5	24	24					7	
		High-rise Building Construction	1.5	24	24					7	
		Introduction of Real Estate	1.5	24	24					6	
		Decoration materials	1.5	24	24					7	
		Construction Equipment	1.5	24	24					7	
		FIDIC FIDIC Contracts	1.5	24	24					7	
			3	48	48						
			17	14	3						



	Graduation Education					8	18	
	5-8 Situation and Policy(5-8)		32			5-8		
	BIM BIMPractice Week	1	20			5	20	
	Practice of Design Principles of Concrete Structures	2	40			5	18-19	
	Production and Management Practice	3	60			7	1-6	
			10			7	20	
	Graduation Design	8	150			8	1-15	
	Graduation Defense					8	16	
	Design Practice of Steel Structures	1.5	30			6	18-19.5	
	Design Practice of Concrete Structures	1.5	30			6	19.5-20	
	Construction Organization Design Practice	1	20			7	17	
	Practice of Budget of Construction Engineering	2	40			7	18-19	
		20	432					
	Lectures on civil engineering	1	16			5-6		
	Creative concrete design and production	1	16			7	1	
	Innovative thinking method and practice in civil engineering	2.5	40	28		6	2	
		2.5	40					
	22.5		20			2.5		

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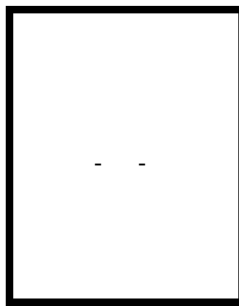
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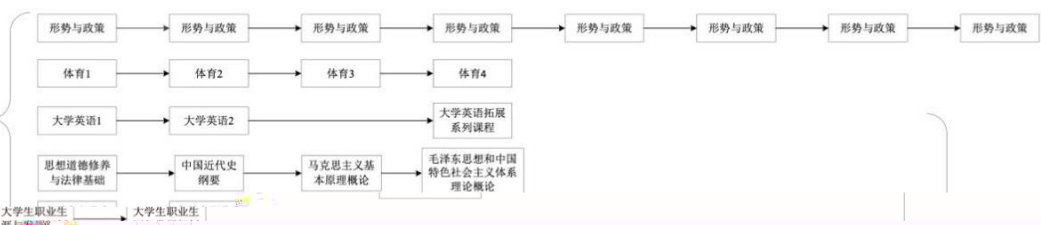
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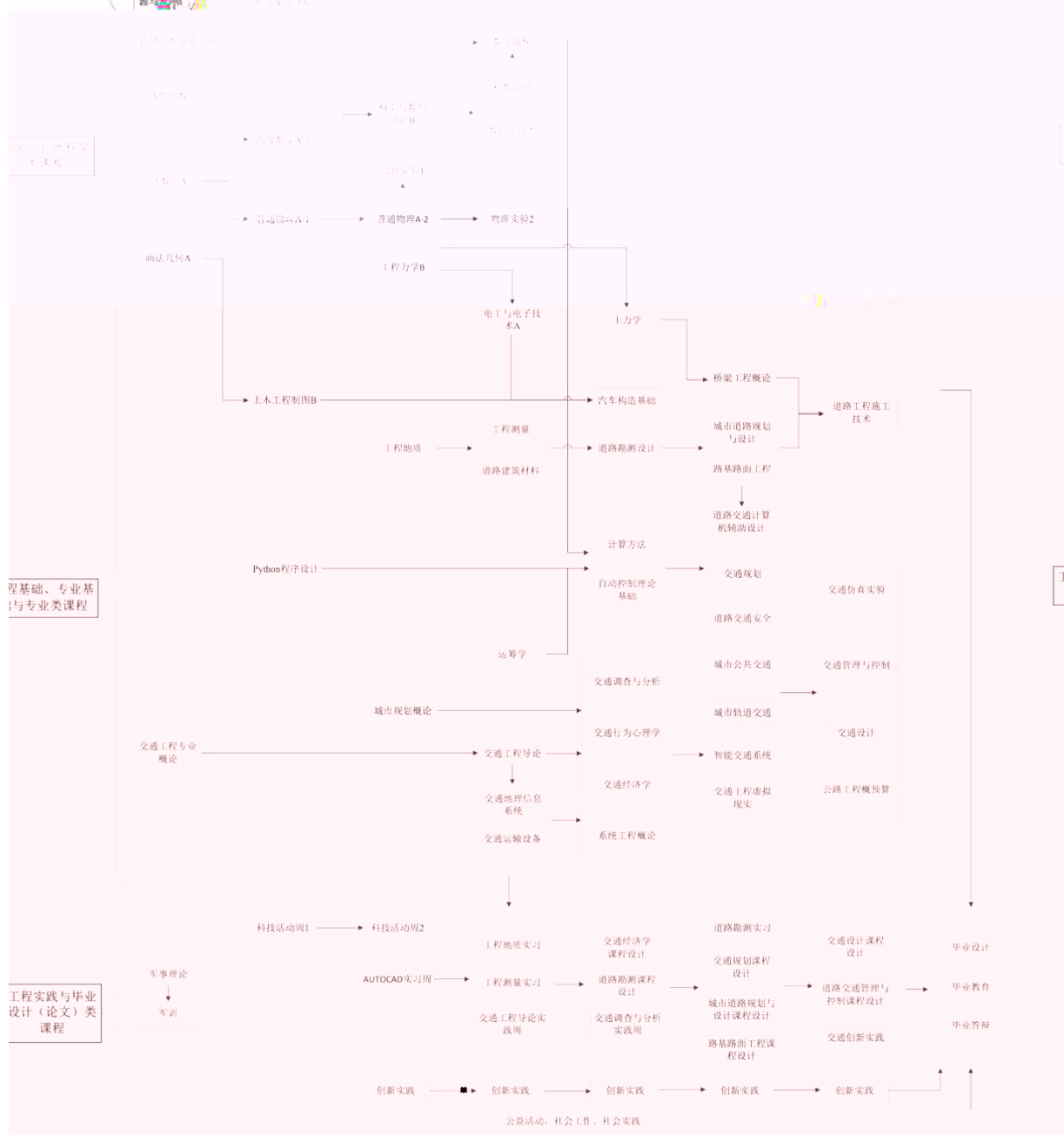
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人文社会科学类  
通识教育课程



工程基础、专业基础与专业类课程

工程实践与毕业设计(论文)类课程





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1. The first part of the document discusses the importance of maintaining accurate records of all transactions. This is essential for ensuring the integrity of the financial statements and for providing a clear audit trail. The records should be kept up-to-date and should be easily accessible to all relevant parties.

2. The second part of the document outlines the various methods used to collect and analyze data. These methods include interviews, surveys, and focus groups. Each method has its own strengths and weaknesses, and it is important to choose the most appropriate method for the specific research objectives.

3. The third part of the document describes the process of data analysis. This involves identifying patterns and trends in the data, and then interpreting these findings in the context of the research objectives. It is important to be objective and unbiased in this process, and to avoid drawing conclusions that are not supported by the data.

4. The fourth part of the document discusses the importance of reporting the results of the research. This involves writing a clear and concise report that summarizes the findings and provides recommendations for future action. The report should be written in a way that is easy to understand and that is accessible to all relevant parties.

5. The fifth part of the document discusses the importance of maintaining the confidentiality of the data. This is especially important when dealing with sensitive information, such as personal data or financial records. It is important to take appropriate measures to protect the data and to ensure that it is only accessed by authorized personnel.

6. The sixth part of the document discusses the importance of maintaining the accuracy of the data. This involves ensuring that the data is collected and recorded correctly, and that it is not distorted or manipulated in any way. It is important to use appropriate methods for data collection and analysis, and to be transparent about any limitations or biases in the data.

7. The seventh part of the document discusses the importance of maintaining the integrity of the research process. This involves ensuring that the research is conducted in a fair and unbiased manner, and that all relevant parties are given the opportunity to be heard. It is important to avoid conflicts of interest and to maintain a high level of transparency throughout the process.

8. The eighth part of the document discusses the importance of maintaining the confidentiality of the research findings. This is especially important when dealing with sensitive information, such as personal data or financial records. It is important to take appropriate measures to protect the findings and to ensure that they are only shared with authorized personnel.

9. The ninth part of the document discusses the importance of maintaining the accuracy of the research findings. This involves ensuring that the findings are based on accurate data and that they are not distorted or manipulated in any way. It is important to use appropriate methods for data collection and analysis, and to be transparent about any limitations or biases in the findings.

10. The tenth part of the document discusses the importance of maintaining the integrity of the research findings. This involves ensuring that the findings are presented in a fair and unbiased manner, and that all relevant parties are given the opportunity to be heard. It is important to avoid conflicts of interest and to maintain a high level of transparency throughout the process.







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		Ideological Morality and Rule of Law	3	48	48				1	
		The Outline of the Modern Chinese History	3	48	32		16		2	
		Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	3	48	48				2	
		The Vivid Practice of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era in Beijing	0.5	8	8				2	
		Basic Principle of Marxism	3	48	48				3	
		Introduction to Mao Zedong Thoughts and Theoretical System of Socialism with Chinese Characteristics	3	48	48				4	
		1-4 Situation and Policy(1-4)	2	32	32				1-4	
		College Student Occupation Career and Development Planning	1	16	16				2	
		The Mental Health of College Students	1	16	16				1	
		(1-2) English(1-2)	6	128	96			32	1-2	
		1-4 College English Training 1-4	2	32	32				3	
		5-8 College English Training 5-8	2	32	32				4	
		(1-4) Physical Education(1-4)	4	120	120				1-4	
		Introduction to Computational Thinking	1.5	56	24			32	1	
		" " History of the Communist Party of China History of New China History of Reform and Opening up and History of Socialist Development	0.5	8	8				1-7	
			35.5	688	608			48	32	
			2	32					1-8	
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			A 1 Advanced Mathematics A(1)	5	92	80				12	1	
			A 2 Advanced Mathematics A(2)	5	84	80				4	2	
			Linear Algebra	2	40	32				8	2	
			B Theory of Probability and Statistics (B)	3	48	44				4	3	
			A 1-2 College physics(1-2)	6	112	104			8		2-3	
			1-2 Physics Experiment(1-2)	2	60		60				3-4	
			The Improvement of Applied Mathematics	1.5	24	24					4	
			( )	22.5	400	364			8	28		
			B Descriptive Geometry B	2	36	32				4	1	
			Conspectus of Transportation Engineering	1	16	16					1	
			B Engineering Mechanics B	3	52	48	4				3	
			Introduction of Systems Engineering	2	32	32					5	
			Introduction of Urban Planning	1.5	24	20	4				3	
			Mathematical Modeling	2.5	40	32	8				4	
			Numerical Method	1.5	24	24					4	
				13.5	224	204	16			4		
				36	624	568	16	0	8	36		
			Soil Mechanics	1.5	24	16	8				5	
			B Engineering Drawing B	2	36	32				4	2	
			Python Python Programming	2	32	16		16			3	
			Transportation Operations Research	2.5	40	40					4	
			Transportation engineering survey	3	48	44	4				4	
				11	180	148	12	16		4		
		B	Electrotechnician	2	32	24	8				4	

			Database Technology and its Application	1.5	40	24			16				4	
			Road Building Materials	2	32	16	16						4	
			Foundation of Automatic Control Theory	3	48	44	4						5	
			Foundation of Automotive Construction	2	32	32							5	
			Engineering geology	1.5	24	24							3	
			Advanced Engineering Mathematics	1.5	24	24							6	
			Traffic data mining and machine learning	1.5	24	24							5	
			Visual analysis of traffic data	1.5	24	24							6	
				5	80									
			52	36	A	11	B					3	5	
			Road Survey and Design	3	48	48							5	
			Transportation Planning	2.5	40	40							6	
			Transportation Safety	2.5	40	40							5	
			Urban Public Transportation	2.5	40	40							7	
			Traffic Management and Control	2.5	40	40							6	
			Traffic Design	1.5	24	24							7	
				14.5	232	232								
				14.5										
			Introduction of Transportation Engineering	2	32	32							4	
			Traffic Survey and Analysis	1.5	24	24							5	
			Transportation Economics	2	32	32							5	
			Geographic Information System for Transportation	2.5	40	40							5	
			Urban Road Planning and Design	2	32	32							6	

Roadbed and Pavement Engineering	3	48	48	6
Transportation Facility	1.5	24	24	4
	14.5	232	232	
Deep Learning and object detection	1.5	24	24	


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	Graduation Design	8	150			8	1-15	
	Graduation Defense					8	16	
		35.5	840					
	Innovation Credit	2	40			3-7		
		2	40					
		37.5	35.5			2		

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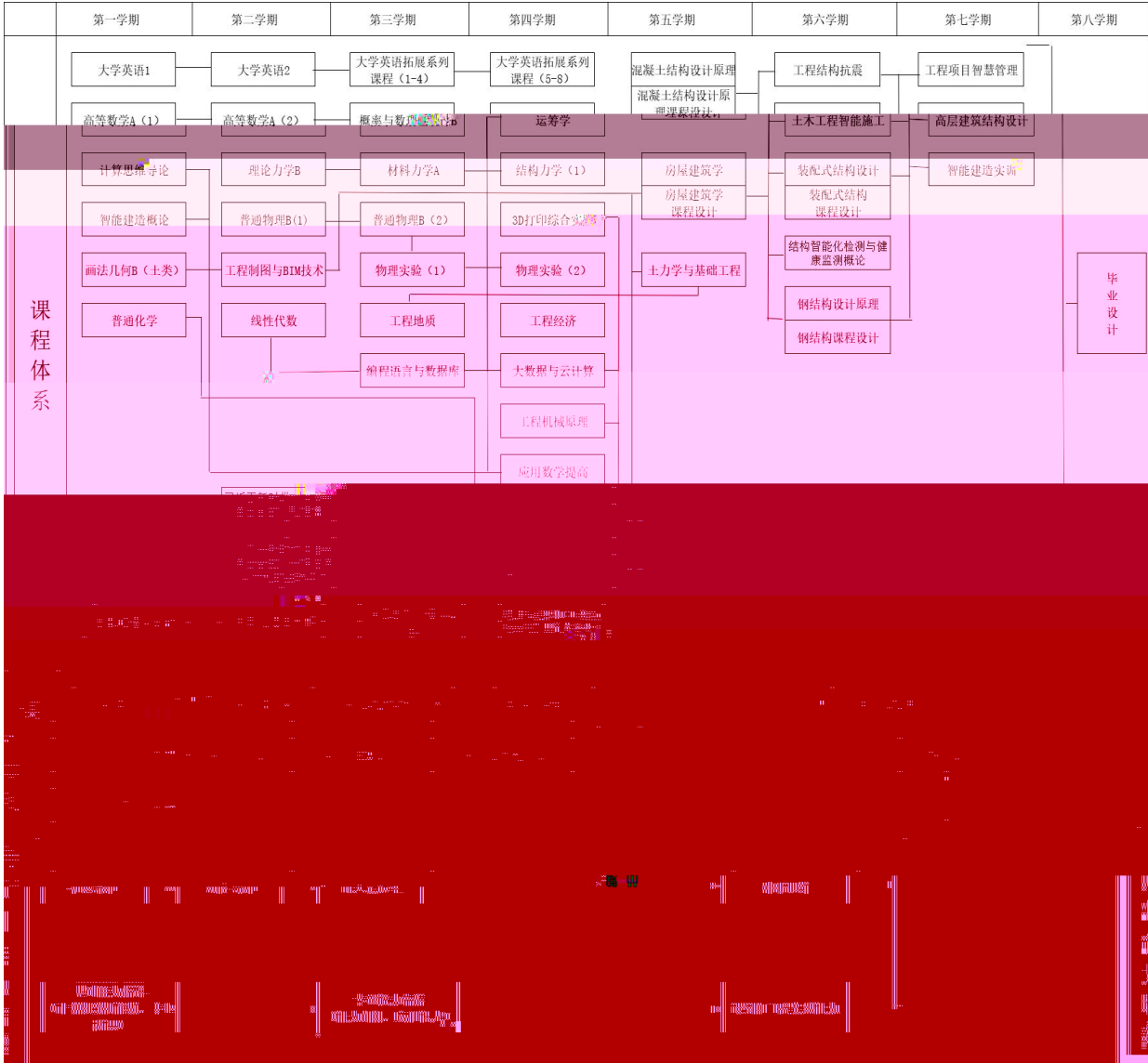
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Law	Ideological Morality and Rule of	3	48	48		1
Chinese History	The Outline of the Modern	3	48	32	16	2
	Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	3	48	48		2

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A 1 Advanced Mathematics A(1)	5	92	80	12	1
A 2 Advanced Mathematics A(2)	5	84	80	4	2
Linear Algebra	2	40	32	8	2
B Theory of Probability and Statistics B	3	48	44	4	3
The Improvement of Applied Mathematics	1.5	24	24		4
B 1-2 College physics(1-2)	6	104	96	8	2-3
1-2 Physics Experiment(1-2)	2	60	60		3-4
B Descriptive Geometry B	2	36	32	4	1
College Chemistry	2.5	40	32	8	1
Introduction of Intellectual construction Engineering	1	16	16		1
BI M Engineering Drawing and BIMTechnology	2	32	32		

Computing Method

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		Design of Prefabricated Structures	3	48	48					6	
		Structural Design of High-rise Buildings	3	48	48					7	
			15	240	224	16		12			
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		BIM Advanced BIM Technology	1.5	24	24					5	
		3D Smart 3D Printing Technology and Introduction to Virtual Reality Technology	1.5	48	24	24				6	
		Evaluation and Retrofit of Historic Buildings	1.5	24	24					6	
		Long-span Steel Structures	1.5	24	24					6	
		Structural Retrofit and Detection	1.5	24	24					7	
		High-rise Building Construction	1.5	24	24					7	
		International Construction Management (Bilingual)	1.5	24	24					6	
			3.0	48	48						
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Military Theory	2	36	1	
Military Training	2	112	1	1-3
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Mathematics	Advanced Engineering	1.5	24			6		
	Lectures on civil engineering	1	16			3-6		
	( ) Holiday Engineering Practice (Engineering Training)	2	32			7		
	Design software application in Civil Engineering	1	16			7		
	Innovative thinking method and practice in civil engineering	2.5	40	28		2	2	
	Creative concrete design and production	1	16			7	1	
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		Introduction of Systems Engineering	2	32	32					1	
		Road Survey and Design	3	48	48					1	
		Transportation Planning	2.5	40	40					2	
		Transportation Safety	2.5	40	40					1	
		Urban Public Transportation	2.5	40	40					3	
		Traffic Management and Control	2.5	40	40					2	
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		Traffic Survey and Analysis	1.5	24	24					1	
		Transportation Economics	2	32	32					1	
		Geographic Information System for Transportation	2.5	40	40					1	
		Urban Road Planning and Design	2	32	32					2	
		Roadbed and Pavement Engineering	3	48	48					2	
			11	176	176						
		Deep Learning and object detection	1.5	24	24					1	
		Traffic Behavior and Psychology	1.0	16	16					1	
		Rail Transit	1.5	24	24					2	
		Traffic Simulation	1.5	24	24					2	
		Intelligent Transportation System	1.5	24	24					2	
		Smart parking	1.0	16	16					2	
		Transportation and carbon emissions	1.0	16	16					1	
			1.5	24	24					3	
		Construction Technology of Road Engineering	1.5	24	24					3	

		Highway Engineering Budget	1.5	24	20		4			3
		Introduction of Bridge Engineering	2	32	32					2
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		Practice of Urban Road Planning and Design	1	20			2	17	
		Practice of Traffic Survey and Analysis	1	20			1	18	
		Practice of Road Survey and Design	2	40			1	19-20	
		Practice of Transportation Economics	1	20			1	17	
		Practice of Transportation Planning	2	40			2	19-20	
		Practice of Roadbed and Pavement Engineering	1	20			2	18	
		Road Survey Practice	2	40			2	1-2	
		Practice of Traffic Design	1	20			3	19	
		Practice of Road Traffic Management and Control	1	20			2	16	
		Transportation Innovation Practice	2	40			3	1-4	
		Graduating Practices		10			3	20	
		Graduation Design	8	150			4	1-15	
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		Bui l di ng Mæchani cs	2	32	32															1	
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		Intelli gent Constructi on Mæchi nery	1.5	24	24					8										2	
		Constructi on Equi pment	1.5	24	24															2	
		Bui l di ng Internet of Thi ngs	1.5	24	18	6														2	
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		( ) Desi gn Pri nci pl es of Concrete Structures	4	64	52	6				6										1	
		( ) Desi gn Pri nci pl es of Steel Structures(Bi l i ngual )	2	32	32															2	
		( ) Intelli gent Constructi on of Ci vi l Engi neeri ng	3	48	44	4														2	
		( ) Constructi on Project Intelli gent Management	3	48	48															3	
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		Test and Detecti on of Bui l di ng Structures	1.5	24	4	8				12										2	
		Sei smi c Desi gn of Engi neeri ng Structure	1.5	24	24															2	
		Desi gn of Prefabri cated Structures	3	48	48															2	
		Structural Desi gn of High-ri se Bui l di ngs	3	48	48															3	
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		BI M Advanced BI MTechnol ogy	1.5	24	24															1	
		( ) Soi l Mæchani cs and Baseme nt Engi neeri ng	3.5	56	48	8														1	
		3D Smart 3D Pri nti ng Technol ogy and Introducti on to Vi rtual Reality Technol ogy	1.5	48	24	24														2	

		Evaluation and Retrofit of Historic Buildings	1.5	24	24					2	
		Long-span Steel Structures	1.5	24	24					2	
		Structural Retrofit and Detection	1.5	24	24					3	
		High-rise Building Construction	1.5	24	24					3	
		International Construction Management (Bilingual)	1.5	24	24					2	
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