工程管理专业国际学生本科指导性培养计划

表一

课程类别	课程性质	课程编号	课程名称	总学分	总学时（学周）	理论授课学时	实践教学				各学期学时（学周）								考核方式
							实验学时	上机学时	实践学时	实践学周	一	二	三	四	五	六	七	八	
通识与公共基础课程	必修课	112306-8	汉语1-3	12.0	196	196					64	64	64						闭卷
		112309-10	中国概况1-2	4.0	64	64					32	32							闭卷
		113101-4	体育1-4	4.0	144	120			24		36	36	36	36					综合测评
		109133-4	高等数学B1-2	11.0	176	176					80	96							闭卷
		109115	线性代数	2.0	32	32						32							闭卷
		109102	概率与数理统计	3.0	48	48							48						闭卷
		109201	大学物理A	6.0	96	96							96						闭卷
		109208	大学物理实验	1.5	36		36							36					综合测评
		116327	计算机与C程序设计基础	2.0	32	24		8			32								闭卷
		116328	C程序设计	3.0	48	28		20				48							闭卷
		免修课程		14.0	军训、军事理论、思想道德修养与法律基础、中国近现代史纲要、马克思主义基本原理、毛泽东思想和中国特色社会主义理论体系概论、形势与政策。														
		小计		62.5	872	784	36	28	24		244	308	244	72					
	选修课	见公共选修课一览表		8.0	160	选修《跨文化交流与国际视野》《西方文化概论》《中国文化概论》和其他5门跨学科门类课程。													

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表二

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							实验学时	上机学时	实践学时	实践学周	一	二	三	四	五	六	七	八	
学科基础课程	必修课	206222	建筑力学	5.0	80	80							80						闭卷
		206606	工程制图及CAD	4.0	64	48			16		64								闭卷
		206199	土木工程材料B	2.0	32	32								32					闭卷
		206182	工程测量B	2.0	32	24			8				32						闭卷
		206214	建筑结构（一）	3.0	48	48								48					闭卷
		206215	建筑结构（二）	2.0	32	32									32				闭卷
		306140	房屋建筑学A	3.0	48	48						48							闭卷
		210146	管理学原理	2.5	40	40							40						闭卷
		210147	管理运筹学	3.0	48	48								48					闭卷
		210148	经济学原理A	2.5	40	40							40						闭卷
		210149	统计学基础A	2.5	40	40							40						闭卷
		210224	会计学原理	2.0	32	32							32						闭卷
		210227	财务管理原理	2.0	32	32								32					闭卷
		312463	经济法	1.0	16	16									16				综合测评
		006107	房屋建筑学课程设计	2.0	2					2		2周							综合测评
		006222	建筑结构课程设计	2.0	2					2					2周				综合测评
		006113	工程测量实习	2.0	2					2			2周						综合测评
		小　计		42.5	592+6周	560			24	6	64	48+2周	272+2周	160	48+2周				
		306261	工程管理导论	1.0	16	16					16								综合测评

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							实验学时	上机学时	实践学时	实践学周	一	二	三	四	五	六	七	八	
专业课程	必修课	306217	土木工程施工A	4.0	64	64										64			闭卷
		206217	工程项目管理A	4.0	64	64									64				闭卷
		306262	工程估价	3.5	56	56										56			闭卷
		306204	工程合同管理	2.0	32	32									32				闭卷
		306259	工程经济学	3.0	48	48									48				闭卷
		306213	建设法规A	2.0	32	32										32			综合测评
		306244	工程造价管理	2.0	32	32											32		闭卷
		306212	国际工程合同管理	2.0	32	32										32			综合测评
		306216	建筑企业管理学	2.0	32	32										32			闭卷
		006138	土木工程施工课程设计	2.0	2					2						2周			闭卷
		006227	工程估价课程设计	3.0	3					3						3周			综合测评
		006229	工程经济学课程设计	2.0	2					2					2周				综合测评
		006241	工程项目管理课程设计	2.0	2					2					2周				综合测评
		006225	工程造价管理课程设计	2.0	2					2							2周		综合测评
		006242	工程造价管理软件实训	2.0	2					2							2周		综合测评
		006224	工程管理软件实训	2.0	2					2					2周				综合测评

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表二

课程类别	课程性质	课程编号	课程名称	总学分	总学时(学周)	理论授课学时	实践教学				各学期学时（学周）								考核方式
							实验学时	上机学时	实践学时	实践学周	一	二	三	四	五	六	七	八	
		006220	认识实习	1.0	1					1		1周							综合测评
		006243	生产实习	2.0	2					2							2周		综合测评
		006244	毕业实习及毕业设计	15.0	15					15								15周	综合测评
		小　　计		58.5	456+33周	408				33	16	1周			144+6周	216+5周	32+6周	15周	
	选修课	306263	工程识图	1.5	24	24							24						综合测评
		306264	BIM技术及建设项目信息管理	1.5	24	24											24		综合测评
		306265	工程管理专业英语	1.5	24	24										24			综合测评
		小　　计		4.5	72	72							24			24	24		
		至少选4.5学分																	

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表三

课程类别	课程性质	课程编号	课程名称	总学分	总学时	理论授课学时	实践教学				各学期学时								考核方式
							实验学时	上机学时	实践学时	实践学周	一	二	三	四	五	六	七	八	
创新与创业教育	必修课	Y10010	创新创业基础	1.0	32	20			12				32						综合测评
	选修课		创新课程	1.0							至少选修 3.0 学分。 学生可在第3-7学期选修科研创新训练Ⅰ-Ⅴ五个阶段的部分训练。								综合测评
			开放实验	1.0															综合测评
			科研创新训练Ⅰ	0.5															综合测评
			科研创新训练Ⅱ	0.5															综合测评
			科研创新训练Ⅲ	0.5															综合测评
			科研创新训练Ⅳ	0.5															综合测评
			科研创新训练Ⅴ	0.5															综合测评
			创新创业项目	2.0							至少获得 2.0 学分，不占总学分								
第二课堂				2.0							至少获得 2.0 学分，不占总学分								

Courses and Teaching Plan for Undergraduate Foreign Students majoring in *Engineering Management*

Table 1

Course Category	Course type	Course code	Course name	Course credits	Hours (Weeks)	Theore-tical teaching hours	Experiment & Internship				Semester hours(weeks)								Assessment method
							Experimental hours	Computer study hours	Field practice hours	Field practice weeks	1	2	3	4	5	6	7	8	
General and public courses	Compu-lsory	112306-8	Chinese Language 1-3	12.0	196	196					64	64	64						Test
		112309-10	A Survey of China 1-2	4.0	64	64					32	32							Test
		113101-4	Physical Education 1-4	4.0	144	120			24		36	36	36	36					Comprehensive assessment
		109133-4	Higher MathematicsB1-2	11.0	176	176					80	96							Test
		109115	Linear Algebra	2.0	32	32						32							Test
		109102	Probability and mathematical statistics	3.0	48	48							48						Test
		109201	College PhysicsA	6.0	96	96							96						Test
		109208	College Physics Experiment	1.5	36		36							36					Comprehensive assessment
		116327	Computer and the Basis of c programming	2.0	32	24		8			32								Test
		116328	C programming	3.0	48	28		20				48							Test
		Exemption		14.0	Military Training, Military theory, Ideological and moral cultivation and legal basis, The outline of modern Chinese history, The fundamental tenets of Marxism, An introduction to Mao Zedong thought and the theoretical system of socialism with Chinese characteristics, Situation and Policy.														
		Sub-total		62.5	872	784	36	28	24		244	308	244	72					
	Option-al	Select from the list of public optional courses		8.0	160	Select <Cross-cultural Communication and International Vision> <An Introduction to Western Culture> <An Introduction to Chinese Culture> and other 5 interdisciplinary courses													

Courses and Teaching Plan for Undergraduate Foreign Students majoring in *Engineering Management*

Table 2

Course Category	Course type	Course code	Course name	Course credits	Hours (Weeks)	Theore-tical teaching hours	Experiment & Internship				Semester hours(weeks)								Assessment method
							Experimental hours	Computer study hours	Field practice hours	Field practice weeks	1	2	3	4	5	6	7	8	
Discipline Basic Courses	Compu-lsory	206222	Architectural mechanics	5.0	80	80							80						Test
		206606	Engineering drawing and cad	4.0	64	48			16		64								Test
		206199	Civil engineering material B	2.0	32	32								32					Test
		206182	Engineering survey B	2.0	32	24			8				32						Test
		206214	Architectural Construction（1）	3.0	48	48								48					Test
		206215	Architectural Construction（2）	2.0	32	32									32				Test
		306140	Building construction A	3.0	48	48						48							Test
		210146	Management principle	2.5	40	40							40						Test
		210147	Management operational research	3.0	48	48								48					Test
		210148	Principle of economics A	2.5	40	40							40						Test
		210149	Statistical Basis A	2.5	40	40							40						Test
		210224	Principles of Accounting	2.0	32	32							32						Test
		210227	Financial management principle	2.0	32	32								32					Test
		312463	Economic law	1.0	16	16									16				Comprehensive assessment
		006107	House architecture course design	2.0	2					2		2weeks							Comprehensive assessment
		006222	Course design of architectural structure	2.0	2					2					2weeks				Comprehensive assessment

Courses and Teaching Plan for Undergraduate Foreign Students majoring in *Engineering Management*

Table 2

Course Category	Course type	Course code	Course name	Course credits	Hours (Weeks)	Theore-tical teaching hours	Experiment & Internship				Semester hours(weeks)								Assessment method
							Experimental hours	Computer study hours	Field practice hours	Field practice weeks	1	2	3	4	5	6	7	8	
		006113	Engineering survey practice	2.0	2					2			2weeks						Comprehensive assessment
		Sub-total		42.5	592+6 weeks	560			24	6	64	48+2 weeks	272+2 weeks	160	48+2 weeks				
Special-ized Course	Compu-lsory	306261	Introduction to Engineering Management	1.0	16	16					16								Comprehensive assessment
		306217	Civil engineering construction A	4.0	64	64										64			Test
		206217	Project project management A	4.0	64	64									64				Test
		306262	Project evaluation	3.5	56	56										56			Test
		306204	Project contract management	2.0	32	32									32				Test
		306259	Engineering Economics	3.0	48	48									48				Test
		306213	Construction laws and regulations A	2.0	32	32										32			Comprehensive assessment
		306244	project cost management	2.0	32	32											32		Test
		306212	International engineering contract management	2.0	32	32										32			Comprehensive assessment
		306216	Construction enterprise management	2.0	32	32										32			Test
		006138	The course design of civil engineering construction	2.0	2					2						2weeks			Test
		006227	Engineering evaluation curriculum design	3.0	3					3						3weeks			Comprehensive assessment
		006229	Engineering economics course design	2.0	2					2					2weeks				Comprehensive assessment
		006241	Course Design of Engineering Project Management	2.0	2					2					2weeks				Comprehensive assessment

Courses and Teaching Plan for Undergraduate Foreign Students majoring in *Engineering Management*

Table 2

Course Category	Course type	Course code	Course name	Course credits	Hours (Weeks)	Theore-tical teaching hours	Experiment & Internship				Semester hours(weeks)								Assessment method
							Experimental hours	Computer study hours	Field practice hours	Field practice weeks	1	2	3	4	5	6	7	8	
		006225	The course design of project cost management	2.0	2					2							2weeks		Comprehensive assessment
		006242	Practical training of Engineering cost Management Software	2.0	2					2							2weeks		Comprehensive assessment
		006224	Engineering management software training	2.0	2					2					2weeks				Comprehensive assessment
		006220	Cognition practice	1.0	1					1		1week							Comprehensive assessment
		006243	Field work	2.0	2					2							2weeks		Comprehensive assessment
		006244	Graduate internship and graduation design	15.0	15					15								15weeks	Comprehensive assessment
		Sub-total		58.5	456+33 weeks	408				33	16	1week			144+6 weeks	216+5 weeks	32+6 weeks	15 weeks	
	Option-al	306263	Engineering identification map	1.5	24	24							24						Comprehensive assessment
		306264	Bim Technology and Information Management of	1.5	24	24											24		Comprehensive assessment
		306265	Engineering Management English	1.5	24	24										24			Comprehensive assessment
		Sub-total		4.5	72	72							24			24	24		
		Choose at least 4.5 credits																	

Courses and Teaching Plan for Undergraduate Foreign Students majoring in *Engineering Management*

Table 3

Course Category	Course type	Course code	Course name	Course credits	Hours (Weeks)	Theore-tical teaching hours	Experiment & Internship				Semester hours(weeks)								Assessment method
							Experimental hours	Computer study hours	Field practice hours	Field practice weeks	1	2	3	4	5	6	7	8	
Innovation and Entrepreneurship	Compu-lsory	Y10010	Foundation of Innovation and Entrepreneurship	1.0	32	20			12				32						Comprehensive assessment
	Option-al		Innovation Courses	1.0							Earn at least 3.0 credits. Students can take part in part or all of Research Training Ⅰ-Ⅴ in semester 3-7.								Comprehensive assessment
			Open Experiments	1.0															Comprehensive assessment
			Research Training Ⅰ	0.5															Comprehensive assessment
			Research Training Ⅱ	0.5															Comprehensive assessment
			Research Training Ⅲ	0.5															Comprehensive assessment
			Research Training Ⅳ	0.5															Comprehensive assessment
			Research Training Ⅴ	0.5															Comprehensive assessment
			Innovation and Entrepreneurship Projects	2.0							Earn at least 2.0 credits. BUT those credits are not included in the graduation credits.								
Second Classroom Activities				2.0							Earn at least 2.0 credits. BUT those credits are not included in the graduation credits.								