

**FIRAT UNIVERSITY FACULTY OF TECHNOLOGY CIVIL ENGINEERING
DEPARTMENT COURSE CURRICULUM**

FIRAT UNIVERSITY FACULTY OF TECHNOLOGY												
LIST OF COURSES IN THE DEPARTMENT OF CIVIL ENGINEERING												
CLASS I	I. Semester Courses						II. Semester Courses					
	Code	Course title	T	P	C	ECTS	Code	Course title	T	P	C	ECTS
	TRD109	Turksih Language-I	2	0	2	2	TRD110	Turksih Language-II	2	0	2	2
	YDİ107	Foreign Language (English)-I	2	0	2	2	YDİ108	Foreign Language (English)-II	2	0	2	2
	MAT161	Mathematics-I	4	0	4	6	MAT162	Mathematics II	4	0	4	6
	FİZ111	Physics -I	4	0	4	6	FİZ112	Physics II	3	0	3	5
	KİM105	Chemistry	4	0	4	6	İNT102	Computer Aided Drawing- CAD	2	2	3	5
	İNT101	Introduction to Civil Engineering	1	1	1	1	İNT104	Statics	3	0	3	5
	İNT103	Construction Drawing	2	2	3	3	İNT106	Material Science	3	0	3	4
	KİM109	Chemistry Lab	0	2	1	2	FİZ106	Physics Lab II	0	2	1	2
	FİZ105	Physics Lab	0	2	1	2						
TOTAL		19	7	22	30	TOTAL		19	4	21	31	
CLASS II	III. Semester Courses						IV. Semester Courses					
	Code	Course title	T	P	C	ECTS	Code	Course title	T	P	C	ECTS
	AİT209	Princ. of Atatürk and Hist. of Rev.	2	0	2	2	AİT210	Princ. of Atatürk and Hist. of Rev. II	2	0	2	2
	İNT201	Construction Materials	3	0	3	4	İNT210	Construction Technologies App.	2	2	3	5
	İNT203	Topography and Applications	2	2	3	4	İNT202	Building Physics	2	1	3	2
	İNT205	Dinamics	3	0	3	5	İNT206	Strength of Materials II	3	0	3	4
	İNT207	Building Information	2	2	3	4	İNT208	Fluid Mechanics	3	0	3	4
	İNT209	Strength of Materials I	3	0	3	5	İNT204	Building Statistics-I	3	1	3	5
	MAT215	Linear Algebra	2	0	2	4	MAT220	Differential Equations	4	0	4	6
		Social Elective Course-I					İST234	Probability and Statistics	2	0	3	4
	İNT211	Business English										
	İNT213	Occupational Safety an Health										
	İNT215	Industrial Prop. and Patent										
	İNT219	Engineering Ethics										
	İŞL451	Entrepreneurship-I	2	0	2	2						
	TOTAL		19	4	21	30	TOTAL		21	4	24	32
CLASS III	V. Semester Courses						VI. Semester Courses					
	Code	Course title	T	P	C	ECTS	Code	Course title	T	P	C	ECTS
	İNT301	Soil Mechanics	2	2	3	4	İNT302	Transportation Project	1	2	3	3
	İNT303	Hydraulic	3	0	3	4	İNT304	Reinforced Concrete I	3	1	4	6
	İNT305	Building Statistics-II	3	1	3	5	İNT306	Hydrology	2	1	2	4
	İNT307	Transportation	3	0	3	4	İNT308	Construction Cost	3	1	3	5
	İNT309	Foundation Construction	2	1	2	4	İNT310	Concrete Technology	3	0	3	4
	İNT311	Materials Laboratory	2	2	3	5		Social Elective Course-II				
							İNT312	Business Management and Organization				
		Technical Elective Course-I					İNT314	Engineering Economy				
	İNT315	Timber Structures	2	0	2	2	İNT316	Total Auality Management				
	İNT317	Dams					İNT318	Verbal Expression				
	İNT319	Highway Pavements					İŞL452	Entrepreneurship-II	2	0	2	2
	İNT321	Restoration						Technical Elective Course-III				
							İNT320	Repair and Strengthening of Damaged Structures				
		Technical Elective Course-II					İNT322	Irrigation-Drainage				

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	INT323	Advanced Building Materials					INT324	Computer Applications In Structural Engineerin				
	INT325	Durability of Concrete	2	0	2	2	INT326	Geotechnical Applications				
	INT327	Earthworks					INT328	Concrete Laboratory	2	2	3	4
	INT329	Construction Machinery						Technical Elective Course-IV				
							INT334	Water Force Facilities				
							INT330	Structure and Environment Relationship	2	0	2	2
							INT332	Introduction to Traffic Engineering				
							INT336	Building Inspection				
	TOTAL		19	6	21	30	TOTAL		18	7	22	30
CLASS IV	VII. Semester Courses						VIII. Semester Courses					
	Code	Course title	T	P	C	ECTS	Code	Course title	T	P	C	ECTS
	INT401	Workplace Training	5	0	5	5	INT402	Workplace Training Application				
	INT403	Workplace Training Application	0	15	8	15	INT404	Professional Praticce I				
	INT405	Professional Practice I	0	2	1	5	INT406	Professional Praticce II				
	INT407	Professional Practice II	0	2	1	5						
	INT409	Graduation Project					INT410	Graduation Project	0	2	1	5
	INT411	Earthquake Engineering					INT412	Earthquake Engineering	3	0	3	4
	INT413	Steel Structures and Design					INT414	Steel Structures and Design	2	2	3	4
	INT415	Reinforced Concrete II					INT416	Reinforced Concrete II	3	1	4	5
	INT417	Water Resources and Design					INT418	Water Resources and Design	2	2	3	4
		Social Elective Course-III						Social Elective Course-III				
	INT425	Labor Law					INT426	Labor Law				
	INT419	Sociology Of Management					INT420	Sociology Of Management				
	INT421	Development and Learning					INT422	Development and Learning				
	INT423	Ergonomics Engineering	2	0	2	2	INT424	Ergonomics Engineering				
		Technical Elective Course-V						Technical Elective Course-V				
	INT435	Railway Engineering					INT436	Railway Engineering				
	INT427	Prefabricated Structures					INT428	Prefabricated Structures				
	INT429	Prestressed Concrete					INT430	Prestressed Concrete				
	INT431	Water Supply and Environmental Health					INT432	Water Supply and Environmental Health	2	0	2	2
		Technical Elective Course-VII						Technical Elective Course-VII				
	INT437	Reinforced Concrete Applications					INT438	Reinforced Concrete Applications				
	INT439	Concrete Roads and Applications					INT440	Concrete Roads and Applications				
	INT441	Soil Improvement Methods					INT442	Soil Improvement Methods	2	2	3	4
	INT443	Steel Structure Project					INT444	Steel Structure Project				
	TOTAL		7	19	17	32	TOTAL		14	9	19	28
CREDIT: 167 ECTS: 243												