	FACULTY OF ENGINE	ERIN	G, D	EPAR	TMENT OF	RAILWAY	SYSTEMS ENGINEERING 100% ENGLISH				
						EMIC CURF					
					DDEDAD	TION OF A					
	Prep Class 1st Semester				PREPARA	ATION CLAS	Prep Class 2nd Semester				
Code	Course Name		LB	CR	ECTS	Code	Course Name	LT ^	LB	CR	ECTS
REN000	Prep class	0	0	0	0	REN000	Prep class	0	0	0	0
	Ant Companies Courses				Ist	YEAR	Ond Samastan Carreas				
Code	1st. Semester Courses Course Name	LT	LB	CR	ECTS	Code	2nd. Semester Courses Course Name	LT	LB	CR	ECTS
PHY195	General Physics I	3		4	5	PHY196	General Physics II	3	2	4	5
FOL183 CHE189	Foreign Language I General Chemistry	3		<u>2</u> 4	4	FOL184 CAL182	Foreign Language II Mathematics II	2 4	0	2 4	5
CAL181	Mathematics I	4		4	5	CAL194	Lineer Algebra	3	0	3	4
REN101	Introduction to Railway Systems Engineering	2	_	2	4	MEE102	Statics	4	0	4	4
CEC101 CEC105	Information Technologies and Applications	2	_	3	3 5	MEE104 CEC102	Computer Aided Technical Drawing	<u>2</u>	2	3	4
TRK181	Technical Drawing Turkish Language I	2	-	2	2	TRK182	Computer Programming Turkish Language II	2	0	2	2
	Total	19	-	23	30		Total	21	6	24	30
	3rd. Semester Courses				line	I YEAR	4th. Semester Courses				
Code	Course Name	LT	LB	CR	ECTS	Code	Course Name	LT	LB	CR	ECTS
HST181	Atatürk's Principles and History of Revolutions I	2	_	2	2	HST182	Atatürk's Principles and History of Revolutions II	2	0	2	2
CAL289	Differantial Equations	4		4	4	FOL282	Technical Foreign Language II	2	0	2	2
FOL281	Technical Foreign Language I	2	-	2	2	MEE204 MEE210	Strength of Materials II Basics of Electricity and Electronics	3	0	3	5 4
MEE203 MEE205	Strength of Materials I Materials Science	3	0	3	4	MEE210 MEE212	Measurement Technique	2	0	2	4
MEE209	Dynamics	4	_	4	5	REN202	Thermodynamics	4	0	4	4
REN201	Manufacturing Processes	3	1	3	4	REN204	Rail Vehicle Dynamics	3	0	3	4
REN203	Railway Systems Construction	3		3	5	REN206	Electromechanical Energy Conversion	2	0	2	5
	Total	24	2	24	30		Total	20	1	20	30
					Illro	YEAR					
	5th. Semester Courses						6th. Semester Courses				
Code	Course Name	_	LB	CR	ECTS	Code	Course Name	LT_	LB	CR	ECTS
CEC303 CEC305	Engineering Economics Occupational Health and Safety I	2	_	2	2	CEC302 CEC306	Numerical Analysis Occupational Health and Safety II	2	0	2	2
MEE303	Machine Elements I	4	-	4	4	CEC310	Engineering Statistics	3	0	3	3
MEE305	Heat Transfer	4	_	4	4	MEE304	Machine Elements II	4	0	4	4
REN301	Bogie Systems and Vibration	3	_	3	3	MEE310	System Dynamics and Control	3	0	3	4
REN303 REN399	Fluid Mechanics Industrial Practice I	0	0	0	4	REN302 REN304	Locomotive and Wagon Design Mechanisms	3	0	3	5 3
KLNSSS	industrial Fractice i	۲	U	U		KEN304	IMECHANISHIS	3	U	3	3
	Technical Elective Course	2		2	4		Technical Elective Course	2	1	2	4
	Social Elective Course	2		2 23	2 30	-	Social Elective Course	2 24	0	2 24	2 30
	Total	23	1	23	30	J	Total	24	1	24	30
	Elective Courses	_					Elective Courses				
REN305 REN307	Rail Vehicle Mechanics Test and Certification in Rail Systems	2	1	2	4		Track Construction and Maintenance Machines Transport Technology and Economy	2	1	2	4
	Engines and Power Trains	2	1	2	4		Rail Systems Superstructure	2	1	2	4
REN311	Hydraulics and Pneumatics	2	1	2	4	REN312	Electrification Systems	2	1	2	4
	l				1	ı				l.	
	ective Courses Labour Law	2	0	2	2	Social Ele ESC302	ctive Courses	2	0	2	2
ESC301 ESC303	Patent and Industrial Design	2	0	2	2	ESC302	Research and Presentation Skills Human Resources Management	2			2
ESC305	Entrepreneurship	_	0	2	2				0	2	2
		2				ESC306	Management Systems	2	0	2	
ESC307	Communication Skills	2	0	2	2	ESC310	Corporate Behavior	2	-	2	2
ESC307 ESC309 ESC311	Communication Skills International Communication Critical Analytical Thinking Techniques	2 2 2	0	2 2 2	2 2 2	ESC310 ESC312 ESC316	Corporate Behavior Standardization Social Media	2 2 2 2	0 0 0	2 2 2 2	2 2 2
ESC307 ESC309	Communication Skills International Communication	2	0	2	2	ESC310 ESC312 ESC316	Corporate Behavior Standardization	2 2 2	0 0 0	2 2 2	2
ESC307 ESC309 ESC311	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education	2 2 2	0	2 2 2	2 2 2 2	ESC310 ESC312 ESC316	Corporate Behavior Standardization Social Media Contemporary Topics	2 2 2 2	0 0 0	2 2 2 2	2 2 2
ESC307 ESC309 ESC311 DEG301	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses	2 2 2 2	0 0 0	2 2 2 2	2 2 2 2	ESC310 ESC312 ESC316 ESC318	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses	2 2 2 2 2	0 0 0 0	2 2 2 2 2 2	2 2 2 2
ESC307 ESC309 ESC311	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education	2 2 2 2	0 0 0	2 2 2	2 2 2 2	ESC310 ESC312 ESC316 ESC318	Corporate Behavior Standardization Social Media Contemporary Topics	2 2 2 2	0 0 0	2 2 2 2	2 2 2
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems	2 2 2 2 2 2 LT 0 2	0 0 0 0 LB 2	2 2 2 2 CR 1 2	2 2 2 2 2 1VtI	ESC310 ESC312 ESC316 ESC318	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name	2 2 2 2 2 2	0 0 0 0 0	2 2 2 2 2 2	2 2 2 2 ECTS
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403 REN405	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory	2 2 2 2 2 2 LT 0 2	0 0 0 0 LB 2 1	2 2 2 2 CR 1 2	2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC318 TYEAR Code REN402	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1)	2 2 2 2 2 2 LT 0	0 0 0 0 0	2 2 2 2 2 2 2 CR 1 8	2 2 2 2 2 ECTS 6 24
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems	2 2 2 2 2 2 LT 0 2	0 0 0 0 LB 2 1 4	2 2 2 2 CR 1 2	2 2 2 2 2 1VtI	ESC310 ESC312 ESC316 ESC318 TYEAR Code REN402	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II	2 2 2 2 2 2 LT 0	0 0 0 0 0	2 2 2 2 2 2 2	2 2 2 2 2 ECTS 6
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403 REN405 REN407	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory Welding Technology	2 2 2 2 2 2 LT 0 2 0 2	0 0 0 0 LB 2 1 4 0	2 2 2 2 2 CR 1 2 2 2	2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC318 TYEAR Code REN402	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2)	2 2 2 2 2 2 2 2 0 0	0 0 0 0 0 0	2 2 2 2 2 2 2 2 8 1 8 2 2 2	2 2 2 2 2 ECTS 6 24 6 6 6
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403 REN405 REN407 REN499	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory Welding Technology Industrial Practice II Ethics in Engineering	2 2 2 2 2 0 2 0 2 0 2	0 0 0 0 2 1 4 0 0	2 2 2 2 2 2 1 2 2 2 0 2	2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC318 TYEAR Code REN402	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1) Technical Elective Course (2)	2 2 2 2 2 2 2 1 0 0 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0	2 2 2 2 2 2 2 1 8 8 2 2 2	2 2 2 2 2 2 ECTS 6 24 6 6 6 6
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403 REN405 REN407 REN499	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory Welding Technology Industrial Practice II Ethics in Engineering Technical Elective Course	2 2 2 2 2 1 0 2 0 2 0 2	0 0 0 0 1 4 0 0 0	2 2 2 2 2 2 1 2 2 2 2 0 2	2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC318 TYEAR Code REN402	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (3) Technical Elective Course (3) Total (if the course affixed with (1) is taken)	2 2 2 2 2 2 2 0	0 0 0 0 0 0 0	2 2 2 2 2 2 2 1 8 8 2 2 2 2 2 9	2 2 2 2 2 ECTS 6 24 6 6 6 6 6
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403 REN405 REN407 REN499	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory Welding Technology Industrial Practice II Ethics in Engineering	2 2 2 2 2 0 2 0 2 0 2	0 0 0 0 1 4 0 0 0	2 2 2 2 2 2 1 2 2 2 0 2	2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC318 TYEAR Code REN402	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1) Technical Elective Course (2)	2 2 2 2 2 2 2 1 0 0 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0	2 2 2 2 2 2 2 1 8 8 2 2 2	2 2 2 2 2 2 ECTS 6 24 6 6 6 6
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403 REN405 REN407 REN409	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory Welding Technology Industrial Practice II Ethics in Engineering Technical Elective Course	2 2 2 2 2 1 0 2 0 2 0 2	0 0 0 0 1 4 0 0 0 1 1	2 2 2 2 2 2 1 2 2 2 2 0 2	2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC318 TYEAR Code REN402	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (3) Technical Elective Course (3) Total (if the course affixed with (1) is taken)	2 2 2 2 2 2 2 0	0 0 0 0 0 0 0	2 2 2 2 2 2 2 1 8 8 2 2 2 2 2 9	2 2 2 2 2 ECTS 6 24 6 6 6 6 6
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403 REN405 REN407 REN409 CEC401	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory Welding Technology Industrial Practice II Ethics in Engineering Technical Elective Course Total	2 2 2 2 2 2 2	0 0 0 0 1 4 0 0 0	2 2 2 2 2 1 2 2 2 0 2 2	2 2 2 2 2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC318 N YEAR Code REN402 REN498	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Total (if the course affixed with (1) is taken) Total (if the courses affixed with (2) are taken)	2 2 2 2 2 2 2 2 0 0	0 0 0 0 0 0 0 16 1 1 1 1 1 18 6	2 2 2 2 2 2 2 1 8 8 2 2 2 2 2 2 2 9 9 9 9 9 9 9 9 9 9 9	2 2 2 2 2 2 ECTS 6 24 6 6 6 6 6 6 6 30 30
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403 REN407 REN409 CEC401	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory Welding Technology Industrial Practice II Ethics in Engineering Technical Elective Course Technical Elective Course Total	2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 1 4 0 0 0 0	2 2 2 2 2 2 2 2 0 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC318 A YEAR Code REN402 REN498	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Total (if the course affixed with (1) is taken) Total (if the courses affixed with (2) are taken) Total Elective Courses	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 8 8	0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 8 6	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2 2 2 2 2 2 2 ECTS 6 24 6 6 6 6 6 6 30 30
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403 REN405 REN407 REN409 CEC401	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory Welding Technology Industrial Practice II Ethics in Engineering Technical Elective Course Total	2 2 2 2 2 2 2	LB 2 1 4 0 0 0 1 1 9	2 2 2 2 2 1 2 2 2 0 2 2	2 2 2 2 2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC318 N YEAR Code REN402 REN498	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Total (if the course affixed with (1) is taken) Total (if the courses affixed with (2) are taken)	2 2 2 2 2 2 2 2 0 0	0 0 0 0 0 0 0 16 1 1 1 1 1 18 6	2 2 2 2 2 2 2 1 8 8 2 2 2 2 2 2 2 9 9 9 9 9 9 9 9 9 9 9	2 2 2 2 2 2 ECTS 6 24 6 6 6 6 6 6 6 30 30
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403 REN405 REN407 REN499 CEC401	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory Welding Technology Industrial Practice II Ethics in Engineering Technical Elective Course Technical Elective Course Total Elective Courses Signalling	2 2 2 2 2 10 10 2 2 10 2 2 2 2	LB 2 1 4 0 0 0 1 1 9 1 1 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 2 3 2 3	2 2 2 2 2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC318 YEAR Code REN402 REN498	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (3) Total (if the course affixed with (1) is taken) Total (if the courses affixed with (2) are taken) Total Elective Courses Track and Route Planning in Railways	2 2 2 2 2 2 2 0 0 2 2 2 2 2 2 8 8	0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 4 6 6 6 6 6 6 6 30 30
ESC307 ESC309 ESC309 ESC3011 DEG301 Code REN401 REN403 REN405 REN405 CEC401	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory Welding Technology Industrial Practice II Ethics in Engineering Technical Elective Course Technical Elective Course Total Elective Courses Signalling Urban Rail Transport High Speed Rail Systems Accident Analysis and Reporting	LT	LB 2 1 4 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC318 1 YEAR Code REN402 REN408 Technica REN404 REN408 REN408 REN408 REN408 REN410	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (3) Total (if the course affixed with (1) is taken) Total (if the course affixed with (2) are taken) Total Elective Course Track and Route Planning in Railways Operations and Traffic Management in Railways Rail Systems Maintenance Transportation Machines	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	LB 2 16 1 1 18 6 6	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 4 6 6 6 6 6 6 6 6 6 6 6 6
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403 REN409 CEC401 Technica REN409 REN411 REN413 REN413 REN415 REN417	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory Welding Technology Industrial Practice II Ethics in Engineering Technical Elective Course Technical Elective Course Total Elective Courses Signalling Urban Rail Transport High Speed Rail Systems Accident Analysis and Reporting Computer Aided Manufacturing	LT	0 0 0 0 0 0 1 4 0 0 0 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 0 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC316 ESC318 1 YEAR Code REN402 REN408 REN404 REN404 REN404 REN408 REN408 REN410 REN410	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Total (if the course affixed with (1) is taken) Total (if the course affixed with (2) are taken) Total Elective Courses Track and Route Planning in Railways Operations and Traffic Management in Railways Rail Systems Maintenance Transportation Machines Programmable Control Systems (PLC)	2 2 2 2 2 2 2 2 0 8 8 8	LB 2 16 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 8 6 6 6 6 6 6 6 30 30 30
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403 REN409 CEC401 Technica REN409 REN411 REN413 REN415 REN417 REN4117	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory Welding Technology Industrial Practice II Ethics in Engineering Technical Elective Course Technical Elective Course Total Elective Courses Signalling Urban Rail Transport High Speed Rail Systems Accident Analysis and Reporting Computer Aided Manufacturing Tribology	LT	0 0 0 0 0 0 1 4 0 0 0 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 0 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC318 1 YEAR Code REN402 REN408 REN404 REN404 REN406 REN406 REN401 REN411 REN411	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Total (if the course affixed with (1) is taken) Total (if the course affixed with (2) are taken) Total Elective Courses Track and Route Planning in Railways Operations and Traffic Management in Railways Rail Systems Maintenance Transportation Machines Programmable Control Systems (PLC) Aerodynamics in Rail Systems	2 2 2 2 2 2 2 0 8 8 8	LB 2 16 1 1 18 6 6	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 8 6 6 6 6 6 6 6 6 6 6 6 6
ESC307 ESC309 ESC311 DEG301 Code REN401 REN403 REN409 CEC401 Technica REN409 REN411 REN413 REN411 REN411 REN411	Communication Skills International Communication Critical Analytical Thinking Techniques Values Education 7th. Semester Courses Course Name Graduation Project I Design of Railway Systems Railway Systems Eng. Laboratory Welding Technology Industrial Practice II Ethics in Engineering Technical Elective Course Technical Elective Course Total Elective Courses Signalling Urban Rail Transport High Speed Rail Systems Accident Analysis and Reporting Computer Aided Manufacturing	LT	0 0 0 0 0 0 1 4 0 0 0 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 0 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2	ESC310 ESC312 ESC316 ESC316 ESC318 1 YEAR Code REN402 REN408 REN404 REN404 REN404 REN408 REN408 REN410 REN410	Corporate Behavior Standardization Social Media Contemporary Topics 8th. Semester Courses Course Name Graduation Project II Applied Engineering Education (1) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Technical Elective Course (2) Total (if the course affixed with (1) is taken) Total (if the course affixed with (2) are taken) Total Elective Courses Track and Route Planning in Railways Operations and Traffic Management in Railways Rail Systems Maintenance Transportation Machines Programmable Control Systems (PLC)	2 2 2 2 2 2 2 2 0 8 8 8	LB 2 16 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 4 6 6 6 6 6 6 30 30 30

DERS İSTATİSTİKLERİ											
1	Total Credits	160	8	Total Credits / Credit Limit of 128	12	25,0%					
2	Total ECTS Credits	240	9	Total ECTS Credits / Total Credits	15	50,0%					
3	Total Elective Course Credits	20	10	Total Elective Course Cr / Total Credits	1	12,5%					
4	Theoretical Course Hours	149	11	Theoretical Course Hours / Total Course Hours	8	81,4%					
5	Practical Course Hours	34	12	Practical Course Hours / Total Course Hours	1	18,6%					
6	Total English Course Credits	160	13	Total English Course Credits / Total Credits	10	00,0%					
7	Total ECTS Credits of Elective Courses	48	14	Total ECTS Credits of Elective Courses / Total ECTS Credits	2	20,0%					
			15	Total Basic Science Course Credits	32						