



# MUŞ ALPARSLAN ÜNİVERSİTESİ

Vocational School of Technical Sciences

Department of Motor Vehicles and Transportation Technologies

Raylı Sistemler Yol Teknolojisi

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ATİ165	Principles of Atatürk and History of Turkish Revolution I	2+0+0	Compulsory	2
BLG165	Information And Communacation Technology	2+2+0	Compulsory	4
İSG101	Occupational health and Safety	2+0+0	Compulsory	2
MAT111	Mathematics I	2+0+0	Compulsory	3
RAY101	Rail System Information	3+0+0	Compulsory	5
RAY103	Technical Drawing	2+2+0	Compulsory	6
RAY105	Scientific Principles of Technology	3+0+0	Compulsory	4
TDİ165	Turkish Language I	2+0+0	Compulsory	2
YDÖ165	English I	2+0+0	Compulsory	2
Total ECTS				30

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ATİ166	Principles of Atatürk and History of Turkish Revolution II	2+0+0	Compulsory	2
MAT112	Mathematics II	2+0+0	Compulsory	3
RAY102	Computer Aided Drawing	2+2+0	Compulsory	5
RAY106	Static Strength	2+0+0	Compulsory	3
RAY108	Train Mechanics	3+0+0	Compulsory	4
TDİ166	Turkish Language II	2+0+0	Compulsory	2
YDÖ166	English II	2+0+0	Compulsory	2
SEÇ II	Elective Courses 1st Year Spring (3 Courses Must Be Selected)	2+0+0	Compulsory	9
Total ECTS				30

Course Groups				
KPD102	Career Planning	2+0+0	Elective	3
MSS102	Quality Assurance And Standarts	2+0+0	Elective	3
MSS104	Renewable Energy sources	2+0+0	Elective	3
MSS106	University Culture	2+0+0	Elective	3
MSS108	professional English	2+0+0	Elective	3
RAY104	Material Technology	2+0+0	Elective	3
RAY110	Hydraulic and Pneumatic Systems	2+0+0	Elective	3

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
RAY201	Soil Mechanics	2+0+0	Compulsory	3
RAY203	Urban Rail Transportation Systems I	2+0+0	Compulsory	3
RAY205	Topography	2+0+0	Compulsory	3
RAY209	Railway Infrastructure and Maintenance	2+1+0	Compulsory	4
STJ201	Internship	0+2+0	Compulsory	8
SEÇ III	Elective Courses 2nd Year Fall (3 Courses Must Be Selected)	2+0+0	Elective	9
Total ECTS				30

Course Groups				
AFE201	Elective: Disaster Management	2+0+0	Elective	3
MSS201	İletişim Teknikleri	2+0+0	Elective	3
MSS203	Life and Exam Coaching	2+0+0	Elective	3
RAY207	Construction Materials	2+0+0	Elective	3
RAY211	Railway Project Reading	2+0+0	Elective	3
RAY213	Measurement and Control	2+0+0	Elective	3

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
RAY202	Rail System Traffic and Communication	2+1+0	Compulsory	5
RAY204	Urban Rail Transportation Systems II	2+0+0	Compulsory	3
RAY206	Rail Joining Methods and Rail Welding	2+1+0	Compulsory	5
RAY210	Railway Superstructure and Maintenance	2+1+0	Compulsory	5
RAY214	Railway Road Machinery	2+0+0	Compulsory	3
SEÇ IV	Elective Courses 2nd Year Spring (4 Courses Must Be Selected)	2+0+0	Elective	12
Total ECTS				33

Course Groups				
GÖÇ202	Volunteering Studies	1+2+0	Elective	4

IAY202	Elektive: First and Immediate Aid	2+2+0	Elective	4
MSS202	Vehicle and Driving Safety	2+0+0	Elective	3
MSS204	Professional Ethics	2+0+0	Elective	3
RAY208	Bridges and Tunnels	2+0+0	Elective	3
RAY212	Road Project and Railway Technique	2+0+0	Elective	3
RAY216	Machine Information	2+0+0	Elective	3