Course Title-Co TRANSPORTAT			OR MET	HODS FOR	Name o	of the Pro	gramme:	CIVIL EN	GINEERING			
Semester		Tea	aching Meth	ods			Credits					
	Lecture	Recite	Lab.	Field Study	нw	Other	Total	Credit	ECTS Credit			
1-2	42	0	0	0	70	76	188	3	7.5			
Language	Turkish											
Compulsory / Elective	Elective											
Prerequisites	-											
Course Contents	Mathematical models for travel demand forecasts, network flows equilibrium, evaluation of alternative transportation systems, user and system optimization for transportation systems and networks, transportation operation analysis including route selection, scheduling and fleet determination and operations, linear and nonlinear programming, sensitivity analysis, integer, dynamic and goal programming											
Course Objectives	Teaching	most use	ful OR m	ethods relate	d to Trans	sportation	Engineeri	ng subject	is.			
Learning Outcomes and Competences	Developing on data analysis, problem solving and evaluations and sensitivities on calculations and decision making											
/or References	Publishing Co, Boston.1993 Anderson, D.R., Sweeney, D.J., Williams T.A., Quantitative Methods for Business, West Publishing Co. USA.1986 Larson R.C. and Odoni A. R., Urban Operation Research, first published by Prentice-Hall, NJ, 1981 Ahuja, R.K., Magnanti, T.L., and Orlin, J.B., Network Flows: Theairy, Algorithms and Applications, Prentice Hall, USA. 1993. Linear and Nonlinear Programming, Reaklaitis, G.V., Ravindran, A., Ragsdell, K.M., Engineering Optimization, Jihn Wiley and Sons, 1983, USA. LINDO, Programming Package								ntice-Hall, and			
Assessment Criteria							etwork flows equotimization for uding route seldear programmir tation Engineer and evaluations district Methods for the first publish lows: Thearry, Amering Optimization		k Percent (%)			
	Midterm	Exams						X	30			
	Quizzes							equilibrium, evalua for transportation system of transportation system of transportation system of transportation system of transportation, schedulir ming, sensitivity are earing subjects. Ons and sensitiviti (2 nd Edition), PWS-ds for Business, ished by Prentice-Fy, Algorithms and ization, Jihn Wiley at transport of transport				
Midterm Exams Quizzes Homeworks		X	20									
	Projects											
	Term Pa	per		X	10							
	Laboratory Work											
	Other											
	Final Ex	am						X	40			
Instructors	Asst.Prof	.Dr. Hikme	et BAYIR	TEPE			Į.		·			