Course Name-Code:AT 520 LASER DYES AND APLICATIONS Programme Name:ADVANCED TECHNOLOGY									
Semester	Methods of Education and Teaching							Credits	
	Lecture	Recit.	Lab.	Practical Training	Project/Field Study	Others	Total	Credit	ECTS Credit
<u>1-2</u>	<u>42</u>	Ξ	Ξ	<u>75</u>	<u>23</u>	<u>48</u>	<u>188</u>	<u>3</u>	<u>7.5</u>
<u>Language</u>	Turkish								
Compulsory / Elective	<u>Elective</u>								
<u>Prerequisites</u>	<u>None</u>								
Catalog Description	Laser types and applications. Classification and chemical structures of laser dyes. Properties of organic-dye laser. Manufacture of dyes and characterization procedures. Using of laser dyes.								
Course Objectives	To study laser and its dyes. To investigate their synthesis								
Course Outcomes	To be informed about laser and synthesis of laser dyes								
Text Book and/or References	 J. Griffiths (Ed.) Developments in the chemistry and technology of organic dyes, , CIS, London, 1984 P. Gregory, High technology applications of organic colorants, Plenum Press, New York, 1988 R.J. Pressley (Ed.) Handbook of lasers, , Chemical Rubber Co., Ohio, 1971 F.P. Schafer, Dye lasers, Springer-Verlag, Berlin, 1977 								
Assessment Criteria								Quantity	Percentage
	Midterm Exams							x	40
	Quizzes							-	-
	Homeworks							-	-
	Projects							-	-
	Term Paper							x	20
	Laboratory Work							-	-
	Other							-	_
	Other								
	Final Ex	am						х	40
Instructors			JRATH	AN				x	40
Week	Final Ex Prof.Dr.A	Atilla MU							
Week	Final Ex Prof.Dr.A Subject Laser ty	Atilla MU	applica	ntions, Class	ification and che	mical strud	ctures of		
Week 1-2 3	Final Ex Prof.Dr.A Subject Laser ty Propertie	Atilla MU	applica	ations, Class /e laser.			ctures of		
Week	Final Ex Prof.Dr.A Subject Laser ty Propertie	pes and es of org	applica janic-dy dyes an	ations, Class /e laser.	ification and che		ctures of		