

Lecture Code- Name: İLT 505 TEXTILE DYEING TECHNOLOGY					Name of the Programme: ADVANCED TECHNOLOGIES				
Semester	Teaching Methods							Credits	
	Lecture	Appl.	Lab.	Project/Field works	Term Hmw.	Other	Total	Credit	ECTS Credit
1-2	42			26	100	20	188	3	7,5
Language	Turkish								
Compulsory /Elective	Elective								
Prerequisites	None								
Course Contents	Classification of dyestuffs. Azo, anthraquinone, phtalocyanines etc. dyestuffs. Introduction of textile fibres. Natural and synthetic fibres. Properties of cellulosic, polyesteres, polyamide, acrylic etc. fibres. Introduction of dyeing technology. Dyeing of cellulosic, polyesteres, polyamide, acrylic etc. fibres								
Course Objectives	<ul style="list-style-type: none"> To study synthesis of textile dyes To be informed about dyeing and printing operations of various fibres To evaluate the quality of dye and dyeing To gather information about the last technology od dye, dyeing and printing 								
Learning Outcomes and Competences	<ul style="list-style-type: none"> Ability to describe and solve related problems using science and engineering knowladges Ability to work on interdisciplinary studies Obtaining information about current subjects 								
Text Book and/or References	<ol style="list-style-type: none"> Broadbent A.D., Basic Principles of Textile Coloration, Society of Dyers and Colourist Gogl E.P.G., Vilensky L.D , Textile Science, Longman Zollinger H., Colur Chemistry, VCH, Waring D.R., Hallas G., The Chemistry and Applications of Dyes, Plenum Pres, Griffiths J., Developments in the Chemistry and Technology of Organic Dyes, SCI Jhonson A., The Theory of Colorotion of Textiles, SDC, 								
Assessment Criteria								If any mark as(X)	Percentage %(*)
	<i>Midterm exams</i>								30
	Quizes								
	Homework's								
	Projects								
	Term Homework's								20
	Laboratory								
	Others								10
	Final Exam								40
Instructors	Yrd. Doç. Dr. Nihat COŞKUN								
Weeks	Subjects								
1	Introduction of textile, dye and dyeing								
2-3	Introduction of textile fibres								
4	Natural and synthetic fibres								
5-6	Properties of different kinds of fibres.								
7-8	Introduction of dyes and dyeing technology.								
	Midterm exam								
9-10	Different types of dyes used in textile and their properties								
11-12	Dyeing theory and dyeing machinery								
13	Colour measurement, colour differences and colour formulations								
14	Types of textile printings								