

TEng3171: PRETREATMENT OF TEXTILES

Department of Textile Engineering Wollo University				
Course Number	TEng3171			
Course Title	Pretreatment of Textiles			
Degree Program	B. Sc. in Textile Engineering			
Module	17: Textile Wet Processing I			
Module Coordinator	N.N.			
Lecturer	N.N.			
ECTS Credits	3			
Contact Hours (per week)	Lecture	Tutorial	Laboratory or Practice	Home study
	3	0	0	3
Course Objectives & Competences to be Acquired	The students in this course will be able to: Know the fundamental concepts in pretreatment chemical processing of textile materials Understand the different preparatory finishing operations			
Course Description/ Course Contents	Basics of Pretreatment Chemical Processing of Textiles: Natural and added impurities in textiles, Essence of Preparatory Finishing of Textiles Preparatory Finishing of Cotton: Singeing Process and Singeing Machines, Desizing Process and Different Desizing Methods, Scouring Process and Different Scouring Methods, Bleaching Process and Different Bleaching Methods, Combined Pretreatment Process of Textile Materials, Machinery for Preparation of Textiles			

	Preparatory Finishing of Other Textiles: Carbonization, Scouring and Bleaching of Wool, Degumming of Silk, Preparation of Synthetic Fibers and Blends
Pre-requisites	Teng 2112
Semester	2nd Semester, 3 rd year
Status of Course	Compulsory
Teaching & Learning Methods	Lectures supported by assignments
Assessment/ Evaluation &Grading System	1. Assignments / Project / Seminar : 20 % 2. Mid-Term Examination: 30 % 3. Final - Examination: 50 % - Total 100 % (For Item 1, there shall be a minimum of 3 activities comprising of Assignments, Project or Seminar activities; the combination will be decided by the Course Instructor depending on the nature of the course).
Attendance Requirements	A minimum of 85 % attendance during lecture sessions
Literature	1. S.R. Karmakar: <i>Chemical Technology in the Pretreatment Processes of Textiles</i> , 1999.