

ANNA UNIVERSITY :: CHENNAI – 600 025

DEGREE OF BACHELOR OF TECHNOLOGY
(8 SEMESTER PROGRAMME)

BRANCH: B.TECH. LEATHER TECHNOLOGY
CURRICULUM

Code No.	Course Title	L	T	P	M
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SEMESTER 1

(Applicable to candidates to be admitted in 2003–2004)

THEORY

CM125	Chemistry I	3	0	0	100
GE131	Engineering Mechanics	3	1	0	100
L1	Language Elective I	3	1	0	100
MA131	Mathematics I	3	1	0	100
PH125	Physics I	3	0	0	100

PRACTICAL

GE132	Computer Practice I	1	0	3	100
GE133	Workshop Practice	0	0	4	100
CM126	Chemistry Laboratory	0	0	2	100
PH126	Physics Laboratory	0	0	2	100

Code No.	Course Title	L	T	P	M
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SEMESTER 2

(Applicable to candidates to be admitted in 2003–2004)

THEORY

CH131	Chemistry II	2	1	2	100
EE151	Electrical Engineering	2	0	0	100
EC152	Electronics Engineering	2	0	2	100
L2	Language Elective II	3	1	0	100
MA132	Mathematics II	3	1	0	100
PH134	Physics II	2	1	2	100

PRACTICAL

GE135	Computer Practice II	1	0	3	100
GE134	Engineering Graphics	1	0	3	100

The following curriculum is applicable to all candidates studying 2nd and 3rd year in the academic year 2003- 2004

Code No.	Course Title	L	T	P	M
SEMESTER 3					
THEORY					
CH233	Electrical Machines and Drives	3	0	0	100
PH232	Materials Science	3	0	0	100
MA231	Mathematics III	3	1	0	100
CH234	Mechanical Engineering	3	0	0	100
CH235	Mechanics of Solids	3	0	0	100
CH236	Organic Chemistry	3	0	0	100
PRACTICAL					
CH237	Chemistry Lab	0	0	4	100
CH239	Mechanical Engineering Lab	0	0	3	100
SEMESTER 4					
THEORY					
LT241	Chemistry and Technology of Leather Manufacture	3	0	0	100
LT244	Computer Applications in Leather Technology	2	0	2	100
CH242	Physical Chemistry	3	0	0	100
LT243	Principles of Material Testing I	3	0	0	100
LT242	Principles of Unit Operations and Processes in Leather Manufacture	3	0	0	100
MA036	Statistics and Linear Programming	3	1	0	100
PRACTICAL					
CH238	Electrical Engineering Lab	0	0	3	100
LT245	Material Testing and Analysis Lab I	0	0	4	100
LT246	Tannery Works Practice I	0	0	4	100
Code No.	Course Title	L	T	P	M
SEMESTER 5					
THEORY					
E1***	Elective I	3	0	0	100
LT332	Practice of Leather Manufacture - I	3	1	0	100
LT334	Principles of Materials Testing II	3	0	0	100
MA037	Special Functions, Difference Equations and Z- transforms	3	1	0	100
LT333	Theory and Mechanism of Organic Tannages	3	0	0	100
LT331	Theory of Skin Proteins and Pretanning Operations	3	0	0	100
PRACTICAL					
LT335	Material Testing and Analysis Lab II	0	0	4	100
LT336	Tannery Works Practice II	0	0	4	100

Code No.	Course Title	L	T	P	M
SEMESTER 6					
THEORY					
LT344	Leather Goods and Garment Technology	3	0	0	100
MA038	Numerical Methods	3	1	0	100
LT341	Practice of Leather Manufacture II	3	1	0	100
LT345	Science and Technology of Leather Auxiliaries	3	0	0	100
LT342	Theory and Mechanism of Inorganic Tannages	3	0	0	100
LT343	Theory and Practice of Post Tanning and Finishing	3	0	0	100
PRACTICAL					
LT346	Material Testing and Analysis Lab III	0	0	4	100
LT347	Tannery Works Practice III	0	0	4	100
SEMESTER 7					
THEORY					
LT434	Footwear Technology	3	0	0	100
LT433	Organisation and Management of Leather Manufacture	3	0	0	100
LT431	Principles of Plant Design for Leather and Chemical Processing	3	0	0	100
CH431	Process Economics and Industrial Management	3	0	0	100
LT432	Tannery Waste Management	3	0	0	100
CE071	Principles of Environmental Science and Engineering	3	0	0	100
GE035	Professional Ethics	3	0	0	100
PRACTICAL					
LT435	Processing Machinery Lab	0	0	4	100
LT437	Seminar and Comprehension	0	0	4	100
LT436	Tannery Works Practice – IV	0	0	4	100
SEMESTER 8					
THEORY					
E2***	Elective II	3	0	0	100
GE406	Total Quality Management	3	0	0	100
PRACTICAL					
LT444	Project Work	0	0	12	200

LIST OF ELECTIVE SUBJECTS

Code No.	Course Title	L	T	P	M
Semester V					
LT034	Science of Leather Supplements and Synthetics	3	0	0	100
LT035	Animal Byproducts Utilisation	3	0	0	100
LT036	Advanced Physics and Chemistry of Leather I	3	0	0	100
LT038	Leather Finishing Technology	3	0	0	100
LT039	Technology of Leather Supplements and Synthetics	3	0	0	100
LT040	Advanced in Leather Chemicals and Auxiliaries	3	0	0	100
LT042	Technology of Tannery Byproducts Utilisation	3	0	0	100
LT044	Leather Biotechnology	3	0	0	100
Semester VIII					
LT037	Process Controls and Automation in Leather Processing	3	0	0	100
LT041	Costing and Value Engineering in Leather	3	0	0	100
LT043	Advanced Physics and Chemistry of Leather II	3	0	0	100
LT045	Energy Management in Leather Industries	3	0	0	100
LT046	Safety in Leather Industry	3	0	0	100
LT047	Total Quality Management in Process Industries	3	0	0	100
LT048	Environmental Impact Assessment Studies on Leather Chemicals/Processing	3	0	0	100
Others					
GE034	Creativity, Innovation and New Product Development	2	0	2	100
HS041	English I	3	1	0	100
HS042	English II	3	1	0	100
HS053	Communication Skills for Engineers	2	0	2	100
GE037	Intellectual Property Right (IPR)	3	0	0	100
GE038	Indian Constitution and Society	3	0	0	100