

U.P. TECHNICAL UNIVERSITY, LUCKNOW
REVISED STUDY AND EVALUATION SCHEME

B.Tech. First Year (Common to all Branches)

EFFECTIVE FROM THE SESSION: 2004-05

B.Tech. Chemical & Alcohol Technology

Year: 1 Semester- I

S.No	Course No.	Subject	Periods			Evaluation Schemes			Subject Total	
			L	T	P	Sessional Exam.		Exam. ESE		
						CT	TA			Total
THEORY SUBJECTS										
1.	TAS-101/ TAS-102	Physics/Chemistry	03	01	00	30	20	50	100	150
2.	TAS-103	Professional Communication	03	01	00	30	20	50	100	150
3.	TAS-104	Mathematics-I	03	01	00	30	20	50	100	150
4.	TEE-101/ TME-101	Electrical Engineering/ Mechanical Engineering	03	01	00	30	20	50	100	150
5.	TEC-101/ TIT-101	Electronics Engineering/ Information Technology	03	01	00	30	20	50	100	150
PRACTICAL / DESIGN / DRAWING										
6.	TAS-151/ TAS-152	Physics/ Chemistry	0	0	02	10	10	20	30	50
7.	TEE-151/ TME-151	Electrical Engineering/ Mechanical Engineering	0	0	02	10	10	20	30	50
8.	TCS-151/ TWS-151	Computer Programming Lab / Workshop Practice	0	1	02	10	10	20	30	50
9.	TCE-151	Engineering Graphics	0	0	03	10	10	20	30	50
10.	GP 101	General Proficiency	-	-	-	-	-	50	-	50
		Total	15	6	9	-	-	350	650	1000

B.Tech. Chemical & Alcohol Technology

Year: 1 Semester- II

S.No	Course No.	Subject	Periods			Evaluation Schemes			Subject Total	
			L	T	P	Sessional Exam.		Exam. ESE		
						CT	TA			Total
THEORY SUBJECTS										
1.	TES-201	Environmental Studies	03	01	00	30	20	50	100	150
2.	TAS-202/ TAS-201	Chemistry/ Physics	03	01	00	30	20	50	100	150
3.	TAS-204	Mathematics-II	03	01	00	30	20	50	100	150
4.	TME-201/ TEE-201	Mechanical Engineering/ Electrical Engineering	03	01	00	30	20	50	100	150
5.	TIT-201/ TEC-201	Information Technology/ Electronics Engineering	03	01	00	30	20	50	100	150
PRACTICAL / DESIGN / DRAWING										
6.	TAS-252/ TAS-251	Chemistry/ Physics	0	0	02	10	10	20	30	50
7.	TME-251/ TEE-251	Mechanical Engineering/ Electrical Engineering	0	0	02	10	10	20	30	50
8.	TWS-251/ TCS-251	Workshop Practice / Computer Programming Lab	0	1	02	10	10	20	30	50
9.	TAS-253	Communication Lab (English)	0	0	03	30*	20*	50	-	50
10.	GP 201	General Proficiency	-	-	-	-	-	50	-	50
		Total	15	6	9	-	-	410	590	1000

CT - Cumulative test, TA -Teacher Assessment, ESE - End Semester Examination

- - Day to day evaluation

B.Tech. Chemical & Alcohol Technology
Year: II Semester- III

Sl. No.	Course Code	Subject	Periods			Evaluation Scheme				Subject Total
			L	T	P	Sessionals			ESE	
THEORY SUBJECTS			L	T	P	CT	TA	Total	ESE	
1.	* TAS – 301	Mathematics – III	3	1	0	30	20	50	100	150
2.	**T CY – 301	Chemistry – I	3	1	0	30	20	50	100	150
3.	***T CH – 307	Fluid Flow and Solid Handling	3	1	0	30	20	50	100	150
4.	TCA – 301	Material Technology	3	1	0	30	20	50	100	150
5.	***TME-307	Mechanics of Solids	3	1	0	30	20	50	100	150
Practicals										
6.	***TCH-357	Fluid Mechanics lab	0	0	3	10	10	20	30	50
7.	** TCY – 351	Chemistry – I Lab.	0	0	3	10	10	20	30	50
8.	TME- 351	Mechanics of Solids Lab	0	0	6	20	20	40	60	100
9.	GP-301	General Proficiency						50	-	50
Grand Total										1000

* Common to all engineering and chemical Technology Branches; ** Common to Chemical Engineering and Chemical Technology; *** Common to all Branches of Chemical Technology

B.Tech. Chemical & Alcohol Technology
Year: II Semester- IV

S. No.	Course code	Subject	Periods			Evaluation Scheme				Subject Total
			L	T	P	Sessionals			Exam.	
						CT	TA	Total	ESE	
THEORY SUBJECTS										
1.	**T AS-401	Computer Based Numerical Methods	3	1	0	30	20	50	100	150
2.	**TCY-401	Chemistry-II	3	1	0	30	20	50	100	150
3.	**TCH-401	Heat Transfer Operations	3	1	0	30	20	50	100	150
4.	**TCH-407	Industrial Fuels and Process Calculations	3	1	0	30	20	50	100	150
5.	TCA-401	Microbiology	3	1	0	30	20	50	100	150
Practicals										
6.	** TAS-451	Numerical Techniques Lab	0	0	3	10	10	20	30	50
7.	**TCY-451	Chemistry-II Lab	0	0	3	10	10	20	30	50
8.	TCA-451	Microbiology Lab	0	0	6	20	20	40	60	100
9.	GP-401	General Proficiency						50	--	50
Grand Total										1000

*Common to all Engineering and Chemical Technology Branches.

**Common to Chemical Engineering and Chemical Technology Branches.

***Common to Chemical Technology Branches.

B.Tech. Chemical & Alcohol Technology
Year: III Semester- V

S.No.	Course Code	Subject	Period			Evaluation Scheme			Sub Total	
			L	T	P	Sessionals	Exam.			
THEORY SUBJECTS						TA	CT	Total	ESE	
1.	*THU – 501	Industrial Economics & Principles of Management	3	1	0	30	20	50	100	150
2.	**TCH – 505	Mass Transfer Operations –I	3	1	0	30	20	50	100	150
3.	TCA – 501	Alcohol Technology	3	1	0	30	20	50	100	150
4.	TCA – 502	Biochemical Engineering	3	1	0	30	20	50	100	150
5.	TCA – 503	Biochemistry Lab	3	1	0	30	20	50	100	150
Practicas										
6.	TCA – 551	Alcohol Technology Lab	0	0	6	20	20	40	60	100
7.	TCA – 552	Bio chemistry Lab	0	0	6	20	20	40	60	100
8.	GP – 501	General Proficiency						50		50
									Grand Total	1000

*Common to all Engineering and Chemical Technology Branches.

**Common to Chemical Engineering and Chemical Technology Branches.

***Common to Chemical Technology Branches.

B.Tech. Chemical & Alcohol Technology
Year: III Semester- VI

S.No.	Course Code	Subject	Period			Evaluation Scheme			Sub Total	
			L	T	P	Sessionals	Examination			
THEORY SUBJECTS						TA	CT	Total	ESE	
1.	***TCH-606	Chemical Engineering Thermodynamics	3	1	0	30	20	50	100	150
2.	**TCH-607	Mass Transfer Operations –II	3	1	0	30	20	50	100	150
3.	TME-609	Machine Design	3	1	0	30	20	50	100	150
4.	TCA – 601	Industrial Fermentation-I	3	1	0	30	20	50	100	150
5.	TCA – 602	Biotechnology of Waste Treatment	3	1	0	30	20	50	100	150
Practicals										
6.	***TCH-655	Chemical Engineering Operations lab	0	0	3	10	10	20	30	50
7.	TCA – 651	Waste Water Analysis & Treatment Lab	0	0	6	20	20	40	60	100
8.	TCA – 652	Seminar	0	0	3	50	-	50	-	50
9.	GP – 601	General Proficiency						50	-	50
									Grand Total	1000

*Common to all Engineering and Chemical Technology Branches.

**Common to Chemical Engineering and Chemical Technology Branches.

***Common to Chemical Technology Branches.

B.Tech. Chemical & Alcohol Technology
Year: IV Semester- VII

S.No	Course Code	Subject	Evaluation Scheme							Sub Total
			Periods			Sessionals			Exam.	
THEORY SUBJECTS			L	T	P	TA	CT	Total	ESE	
1	TCA-701	Industrial Fermentation-II	3	1	0	30	20	50	100	150
2.	TCA-702	Chemical Technology-I	3	1	0	30	20	50	100	150
3.	***TCH-706	Instrumentation and Process Control	3	1	0	30	20	50	100	150
4.	***TCH-707	Chemical Reaction Engineering	3	1	0	30	20	50	100	150
5.	TOE-42	Open Elective – Energy Engineering	3	1	0	30	20	50	100	150
Practicals										
6	TCA-751	Industrial Fermentation Lab	0	0	6	20	20	40	60	100
7.	TCA-752	Project (Term Work)	0	0	3	25	25	50		50
8.	TCA-753	Industrial Training	0	0	3	25	25	50		50
9	GP-701	General Proficiency	0	0	3			50		50
									Grand Total	1000

*Common to all Engineering and Chemical Technology Branches.

**Common to Chemical Engineering and Chemical Technology Branches.

***Common to Chemical Technology Branches.

For Branches other than Oil Technology

B.Tech. Chemical & Alcohol Technology
Year: IV Semester- VIII

S.No	Course Code	Subject	Evaluation Scheme							Sub Total
			Periods			Sessionals			Examination	
THEORY SUBJECTS			L	T	P	CT	TA	Total	ESE	
1.	TCA-011 TCA -012 TCA -013	Petroleum & its products Polymer Engineering Brewing Technology	3	1	0	30	20	50	100	150
2.	TCA -801	Chemical Technology-II	3	1	0	30	20	50	100	150
3.	TCA -802	Process Economics & Management	3	1	0	30	20	50	100	150
4.	TCA-803	Process Equipment Design	3	1	0	30	20	50	100	150
5.	***TCH-806	Industrial Safety and Hazard Management	3	1	0	30	20	50	100	150
Practicals										
6.	TCA-851	Project	0	0	12	25	25	50	100	150
7.	TCA-852	Educational Tour						50		50
8.	GP-801	General Proficiency						50		50
									Grand Total	1000

*Common to all Engineering and Chemical Technology Branches.

**Common to Chemical Engineering and Chemical Technology Branches.

***Common to Chemical Technology Branches.

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus
of

CHEMICAL AND ALCOHOL TECHNOLOGY

Effective from the Session : 2004-05

B.TECH. COURSES

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus
IInd year (III & IV Semester)
of
Carpet & Textile Technology

Effective from the Session : 2005-06

B.TECH. COURSES

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus
of

Bio-Chemical Engineering

Effective from the Session : 2004-05

B.TECH. COURSES

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus
of

Leather Technology

Effective from the Session : 2004-05

B.TECH. COURSES

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus
of

Plastic Technology

Effective from the Session : 2004-05

B.TECH. COURSES

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus
of

Paint Technology

Effective from the Session : 2004-05

B.TECH. COURSES

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus
of

Oil Technology

Effective from the Session : 2004-05

B.TECH. COURSES

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus
of

Food Technology

Effective from the Session : 2004-05

B.TECH. COURSES

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus
of

Textile Technology

Effective from the Session : 2004-05

B.TECH. COURSES

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus
of

Textile Chemistry

Effective from the Session : 2004-05

B.TECH. COURSES

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus
of

Man Made Fiber Technology

Effective from the Session : 2004-05

B.TECH. COURSES

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus

of

B.Arch. (Interior Design)

4th yr. & 5th yr [VII/VIII/IX /X Semester]

B.ARCH. COURSES

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus

of

M.Tech. Chemical Engineering (Part time)

M.TECH. COURSES

**U.P. TECHNICAL UNIVERSITY
LUCKNOW**



Syllabus

of

M.Tech. Chemical Engineering (Regular)

M.TECH. COURSES