

BACHELOR IN CHEMICAL ENGINEERING

Year :II

Part : I

Teaching Schedule								Examination Scheme						Total	Remark
S. N.	Course Code	Course Title	Credits	L	T	P	Total	Theory			Practical				
								Assesment Marks	Final		Assesment Marks	Final			
									Duaration hours	Marks		Duaration hours	Marks		
1	SH 201	Engineering Mathematics III	3	3	2	-	5	40	3	60	-	-	-	100	
2	SH 204	Communication English	3	3	-	1	4	40	3	60	25	-	-	125	
3	SH 205	Physical and Analytical Chemistry	3	3	1	3	7	40	3	60	50	-	-	150	
4	CH 201	Material Science and Engineering	3	3	1	-	4	40	3	60	-	-	-	100	
5	CH 202	Fluid Mechanics for Chemical Engineering	4	4	1	1.5	6.5	40	3	60	25	-	-	125	
6	CH 203	Chemical Process Calculations I	3	3	1	-	4	40	3	60	-	-	-	100	
7	CH 204	Artificial Intelligence in Chemical Engineering	3	3	1	-	4	40	3	60	-	-	-	100	
Total			22	22	7	5.5	34.5	280	-	420	100	-	-	800	

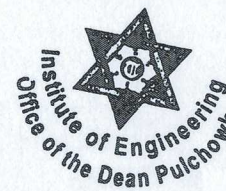
Year :II

Part : II

Teaching Schedule								Examination Scheme						Total	Remark
S. N.	Course Code	Course Title	Credits	L	T	P	Total	Theory			Practical				
								Assesment Marks	Final		Assesment Marks	Final			
									Duuration hours	Marks		Duuration hours	Marks		
1	CH 251	Mechanical Operation	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
2	CH 252	Chemical Process Technology	3	3	1	-	4	40	3	60	-	-	-	100	
3	CH 253	Chemical Process Calculations II	3	3	1	-	4	40	3	60	-	-	-	100	
4	CH 254	Chemical Engineering Thermodynamics	3	3	1	-	4	40	3	60	-	-	-	100	
5	CH 255	Process Heat Transfer	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
6	CH 256	Instrumentation and Automation	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
7	SH 252	Probability and Statistics	3	3	1	-	4	40	3	60	-	-	-	100	
Total			21	21	7	4.5	32.5	280	-	420	75	-	-	775	



Signature



BACHELOR IN CHEMICAL ENGINEERING

Year:III

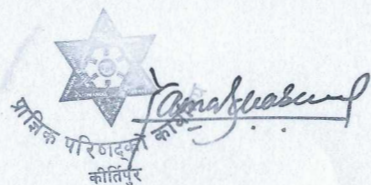
Part : I

Teaching Schedule								Examination Scheme						Total	Remark
SN	Course Code	Course Title	Credits	L	T	P	Total	Theory			Practical				
								Assessment Marks	Final		Assessment Marks	Final			
									Duration Hrs	Marks		Duration Hrs	Marks		
1	CH 301	Mass Transfer I	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
2	CH 302	Fuels and Combustion	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
3	CH 303	Transport Phenomena	3	3	1	-	4	40	3	60	-	-	-	100	
4	CH 304	Environmental Pollution and Control	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
5	CH 305	Chemical Reaction Engineering I	3	3	1	-	4	40	3	60	-	-	-	100	
6	CH 306	Industrial Management and Entrepreneurship	3	3	1	-	4	40	3	60	-	-	-	100	
7	SH 301	Numerical Methods	3	3	1	3	7	40	3	60	50	-	-	150	
Total				21	7	7.5	35.5	280	-	420	125	-	-	825	

Year:III

Part : II

Teaching Schedule								Examination Scheme						Total	Remarks
SN	Course Code	Course Title	Credits	L	T	P	Total	Theory			Practical				
								Assessment Marks	Final		Assessment Marks	Final			
									Duration Hrs	Marks		Duration Hrs	Marks		
1	CE 356	Engineering Economics	3	3	1	-	4	40	3	60	-	-	-	100	
2	CH 351	Corrosion Engineering	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
3	CH 352	Process Dynamics and Control	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
4	CH 353	Mass Transfer II	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
5	CH 354	Chemical Reaction Engineering II	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
6	CH 355	Computational Fluid Dynamics	3	3	1	-	4	40	3	60	-	-	-	100	
7	CH 365	Elective I	3	3	2	1	6	40	3	60	25	-	-	125	
Total			21	21	8	7	36	280	-	420	125	-	-	825	



Handwritten signatures of faculty members.



BACHELOR IN CHEMICAL ENGINEERING

Year:IV

Part : I

Teaching Schedule								Examination Scheme						Total	Remark
SN	Course Code	Course Title	Credits	L	T	P	Total	Theory			Practical				
								Assessment Marks	Final		Assessment Marks	Final			
Duration Hrs	Marks	Duration Hrs	Marks												
1	CH 401	Process Equipment Design	3	3	1	-	4	40	3	60	-	-	-	100	
2	CH 425	Elective II	3	3	2	1	6	40	3	60	25	-	-	125	
3	CH 402	Chemical Plant Design	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
4	CH 403	Process Modeling and Simulation	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
5	CH 404	Maintenance Engineering and Safety	3	3	1	-	4	40	3	60	-	-	-	100	
6	CH 405	Project I	2	-	-	-	-	-	-	-	50	-	-	50	
Total			17	15	6	4	25	200	-	300	125	-	-	625	

Year:IV

Part : II

Teaching Schedule								Examination Scheme						Total	Remark
SN	Course Code	Course Title	Credits	L	T	P	Total	Assessment Marks	Theory		Assessment Marks	Practical			
									Duration Hrs	Marks		Duration Hrs	Marks		
1	CH 451	Biochemical Engineering	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
2	CH 465	Elective III	3	3	2	1	6	40	3	60	25	-	-	125	
3	CH 452	Project II	4	-	-	-	-	-	-	-	100	-	50	150	
4	CH 453	Internship**	4	-	-	-	-	-	-	-	100	-	50	150	
Total			14	6	3	2.5	11.5	80	-	120	250	-	100	550	

** 8 weeks long internship in Engineering Firms/Organizations/Government Offices



Signature of the Dean Pulchowk

