

**BACHELOR
IN
CHEMICAL ENGINEERING**

Part : I

Year : I

Teaching Schedule								Examination Scheme						Total	Remark
S. N.	Course Code	Course Title	Credits	L	T	P	Total	Theory			Practical				
								Assessment Marks	Final Duration hours	Final Marks	Assessment Marks	Final Duration hours	Final Marks		
1	ENSH 01	Engineering Mathematics I	3	3	2	-	5	40	3	60	-	-	-	100	
2	ENSH 03	Engineering Chemistry	3	3	1	3	7	40	3	60	25	-	-	125	
3	ENCT 01	Computer Programming	3	3	1	3	7	40	3	60	50	-	-	150	
4	ENME 01	Engineering Drawing	2	2	-	4	6	20	3	30	50	-	-	100	
5	ENEE 03	Basic Electrical and Electronics Engineering	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
6	ENME 05	Fundamental of Thermodynamics and Heat Transfer	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
Total				17	6	13	36	220	-	330	175	-	-	725	

Part : II

Year : I

Teaching Schedule								Examination Scheme						Total	Remark
S. N.	Course Code	Course Title	Credits	L	T	P	Total	Theory			Practical				
								Assessment Marks	Final Duration hours	Final Marks	Assessment Marks	Final Duration hours	Final Marks		
1	ENSH 51	Engineering Mathematics II	3	3	2	-	5	40	3	60	-	-	-	100	
2	ENSH 52	Engineering Physics	4	4	1	2	7	40	3	60	25	-	-	125	
3	ENCH 51	Computer Aided Drawing	2	1	-	3	4	25	-	-	50	-	-	75	
4	ENSH 54	Organic and Inorganic Chemistry	3	3	1	3	7	40	3	60	50	-	-	150	
5	ENME 57	Engineering Workshop	1	1	-	3	4	20	-	-	30	-	-	50	
6	ENCE 54	Engineering Mechanics	4	4	2	-	6	40	3	60	-	-	-	100	
Total				16	6	11	33	205	-	240	155	-	-	600	



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**BACHELOR
IN
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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			
									Duration hours	Marks		Duration hours	Marks		
1	ENSH 201	Engineering Mathematics III	3	3	2	-	5	40	3	60	-	-	-	100	
2	ENSH 204	Communication English	3	3	-	1	4	40	3	60	25	-	-	125	
3	ENSH 205	Physical and Analytical Chemistry	3	3	1	3	7	40	3	60	50	-	-	150	
4	ENCH 201	Material Science and Engineering	3	3	1	-	4	40	3	60	-	-	-	100	
5	ENCH 202	Fluid Mechanics for Chemical Engineering	4	4	1	1.5	6.5	40	3	60	25	-	-	125	
6	ENCH 203	Chemical Process Calculations I	3	3	1	-	4	40	3	60	-	-	-	100	
7	ENCH 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	

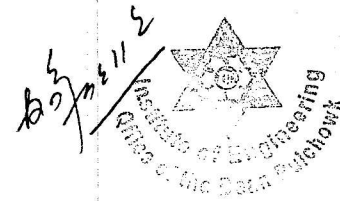
Year :II

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			
									Duration hours	Marks		Duration hours	Marks		
1	ENCH 251	Mechanical Operation	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
2	ENCH 252	Chemical Process Technology	3	3	1	-	4	40	3	60	-	-	-	100	
3	ENCH 253	Chemical Process Calculations II	3	3	1	-	4	40	3	60	-	-	-	100	
4	ENCH 254	Chemical Engineering Thermodynamics	3	3	1	-	4	40	3	60	-	-	-	100	
5	ENCH 255	Process Heat Transfer	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
6	ENCH 256	Instrumentation and Automation	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
7	ENSH 252	Numerical Methods	3	3	1	3	7	40	3	60	50	-	-	150	
Total			21	21	7	4.5	32.5	280	-	420	75	-	-	825	



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**BACHELOR
IN
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Year:III

Part : I

SN	Course Code	Course Title	Credits	Teaching Schedule				Examination Scheme							Total	Remark
				L	T	P	Total	Theory			Practical					
								Assessment Marks	Duration Hrs	Marks	Assessment Marks	Duration Hrs	Marks			
1	ENCH 301	Mass Transfer I	3	3	1	1.5	5.5	40	3	60	25	-	-	125		
2	ENCH 302	Fuels and Combustion	3	3	1	1.5	5.5	40	3	60	25	-	-	125		
3	ENCH 303	Transport Phenomena	3	3	1	-	4	40	3	60	-	-	-	100		
4	ENCH 304	Environmental Pollution and Control	3	3	1	1.5	5.5	40	3	60	25	-	-	125		
5	ENCH 305	Chemical Reaction Engineering I	3	3	1	-	4	40	3	60	-	-	-	100		
6	ENCH 306	Industrial Management and Entrepreneurship	3	3	1	-	4	40	3	60	-	-	-	100		
7	ENSH 304	Probability and Statistics	3	3	1	-	4	40	3	60	-	-	-	100		
Total				21	7	4.5	32.5	280	-	420	75	-	-	775		

Year:III

Part : II

SN	Course Code	Course Title	Credits	Teaching Schedule				Examination Scheme							Total	Remark
				L	T	P	Total	Theory			Practical					
								Assessment Marks	Duration Hrs	Marks	Assessment Marks	Duration Hrs	Marks			
1	ENCE 356	Engineering Economics	3	3	1	-	4	40	3	60	-	-	-	100		
2	ENCH 351	Corrosion Engineering	3	3	1	1.5	5.5	40	3	60	25	-	-	125		
3	ENCH 352	Process Dynamics and Control	3	3	1	1.5	5.5	40	3	60	25	-	-	125		
4	ENCH 353	Mass Transfer II	3	3	1	1.5	5.5	40	3	60	25	-	-	125		
5	ENCH 354	Chemical Reaction Engineering II	3	3	1	1.5	5.5	40	3	60	25	-	-	125		
6	ENCH 355	Computational Fluid Dynamics	3	3	1	-	4	40	3	60	-	-	-	100		
7	ENCH 365-374	Elective I	3	3	2	1	6	40	3	60	25	-	-	125		
Total			21	21	8	7	36	280	-	420	125	-	-	825		



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**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	Duration Hrs	Final Marks	Assessment Marks	Duration Hrs	Final Marks		
1	ENCH 411	Process Equipment Design	3	3	1	-	4	40	3	60	-	-	-	100	
2	ENCH 425-434	Elective II	3	3	2	1	6	40	3	60	25	-	-	125	
3	ENCH 412	Chemical Plant Design	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
4	ENCH 413	Process Modeling and Simulation	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
5	ENCH 414	Maintenance Engineering and Safety	3	3	1	-	4	40	3	60	-	-	-	100	
6	ENCH 415	Project I	2	-	-	-	-	-	-	-	-	-	-	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	Theory			Practical				
								Assessment Marks	Duration Hrs	Final Marks	Assessment Marks	Duration Hrs	Final Marks		
1	ENCH 463	Biochemical Engineering	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
2	ENCH 455-474	Elective III	3	3	2	1	6	40	3	60	25	-	-	125	
3	ENCH 461	Project II	4	-	-	-	-	-	-	-	100	-	50	150	
4	ENCH 462	Internship**	4	-	-	-	-	-	-	-	100	-	50	150	
Total			14	6	3	2.5	11.5	80	-	120	250	-	100	550	

** 8-weeks internship

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Signature

