

**BACHELOR
IN
INDUSTRIAL 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	SH 301	Numerical Methods	3	3	1	3	7	40	3	60	50	-	-	150	
2	ME 303	Theory of Machines and Mechanism	3	3	2	-	5	40	3	60	-	-	-	100	
3	IE 301	Supply Chain Management	3	3	1	-	4	40	3	60	-	-	-	100	
4	IE 302	Concurrent and Value Engineering	3	3	1	-	4	40	3	60	-	-	-	100	
5	ME 309	Energy Resources and Technology	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
6	IE 325	Elective I	3	3	2	1	6	40	3	60	-	-	-	100	
7	IE 305	Group Work and Presentation III	1	-	-	-	-	-	-	-	25	-	-	25	
Total			19	18	8	5.5	31.5	240	-	360	100	-	-	700	

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	IE 351	Enterpreneurship and New Venture	2	2	-	3	5	20	1.5	30	50	-	-	100	
2	IE 352	Operation Research	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
3	IE 353	Machine Design	3	3	2	-	5	40	3	60	-	-	-	100	
4	IE 354	Industrial Layout and Design	3	3	-	3	6	40	3	60	50	-	-	150	
5	AM 353	Hydraulic and Pneumatic Systems	3	3	1	1.5	5.5	20	1.5	30	25	-	-	75	
6	IE 356	Project I	2	-	-	-	-	-	-	-	50	-	-	50	
7	IE 385	Elective II	3	3	2	1	6	40	3	60	25	-	-	125	
Total			19	17	6	10	33	200	-	300	225	-	-	725	



प्रौद्योगिक परिणदको कार्यालय
काठमाडौं

Amal Kumar

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Institute of Engineering
Office of the Dean Pulchowk

BACHELOR IN INDUSTRIAL ENGINEERING

Year :II

Part : I

Teaching Schedule								Examination Scheme						Total	Remarks
S. N.	Course Code	Course Title	Credits	L	T	P	Total	Theory			Practical				
								Assessment Marks	Final		Assessment Marks	Final			
Duration hours	Marks	Duration hours	Marks												
1	SH 201	Engineering Mathematics III	3	3	2	-	5	40	3	60	-	-	-	100	
2	ME 202	Manufacturing & Production Processes	3	3	1	3	7	40	3	60	50	-	-	150	
3	IE 202	Industrial Management	3	3	1	-	4	40	3	60	-	-	-	100	
4	ME 201	Material Science	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
5	ME 205	Strength of Materials	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
6	ME 206	Applied Thermodynamics and Heat Transfer	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
7	IE 203	Group Work and Presentation I	1	-	-	-	-	-	-	-	25	-	-	25	
Total			19	18	7	7.5	32.5	240	-	360	150	-	-	750	

Year :II

Part : II

Teaching Schedule								Examination Scheme						Total	Remark
S. N.	Course Code	Course Title	Credits	L	T	P	Total	Theory			Practical				
								Assessment Marks	Final		Assessment Marks	Final			
									Duration hours	Marks		Duration hours	Marks		
1	SH 252	Probability and Statistics	3	3	1	-	4	40	3	60	-	-	-	100	
2	EE 254	Electrical Machines	4	4	1	1.5	6.5	40	3	60	25	-	-	125	
3	ME 255	Fluid Mechanics and Machines	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
4	IE 252	Industrial Economics	3	3	1	-	4	40	3	60	-	-	-	100	
5	IE 251	Metrology and Instrumentation	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
6	IE 253	Work Study and Human Factor Engineering	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
7	IE 254	Group Work and Presentation II	1	-	-	-	-	-	-	-	25	-	-	25	
Total			20	19	6	6	31	240	-	360	125	-	-	725	



Amal Kumar

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Institute of Engineering
Office of the Dean Pulchowk

BACHELOR IN INDUSTRIAL ENGINEERING

Year:IV

Part : I

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	IE 411	Industrial Law and Engineering Professional Practice	3	3	-	-	3	40	3	60	-	-	-	100	
2	IE 412	Project Management	3	3	1	-	4	40	3	60	-	-	-	100	
3	IE 413	Quality Control and Management	3	3	1	-	4	40	3	60	-	-	-	100	
4	IE 414	Maintenance and Reliability Engineering	3	3	1	1.5	5.5	40	3	60	25	-	-	125	
5	IE 435	Elective III	3	3	2	1	6	40	3	60	25	-	-	125	
6	IE 445	Elective IV	3	3	2	1	6	40	3	60	25	-	-	125	
7	IE 415	Project II	4	-	-	-	-	-	-	-	100	-	50	150	
Total			22	18	7	3.5	28.5	240	-	360	175	-	-	825	

Year:IV

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	IE 461	Seminar Paper	2	-	-	-	-	-	-	60	-	40	100		
2	IE 462	Internship**	6	-	-	-	-	-	-	100	-	100	200		
Total			8	-	-	-	-	-	-	160	-	140	300		

**12-weeks internship



Signature

Signature

