

Department of Industrial and Production Engineering (IPE)
Course Offer for Semester- Fall 2022
Day Batch

First Year 1st Semester: 13th Batch (2022 Syllabus)

Semester	Course Code	Course Title	Faculty Name	Faculty Code	Cr.
1st Year 1st Semester (13th Batch)	IPE 101	Introduction to Industrial & Production Engineering			3.00
	PHY 113	Physics I (Waves and Oscillations, Physical Optics and Mechanics)			3.00
	CHM 111	Chemistry I			3.00
	MTH 121	Differential and Integral Calculus			3.00
	ME 160	Mechanical Engineering Drawing I Sessional			1.50
	SHOP 170	Machine Shop Sessional			0.75
					<u>Total=</u>

First Year 2nd Semester: 12th Batch (2022 Syllabus)

Semester	Course Code	Course Title	Faculty Name	Faculty Code	Cr.
1st Year 2nd Semester (12th Batch)	IPE 101	Introduction to Industrial & Production Engineering			3.00
	PHY 113	Physics I (Waves and Oscillations, Physical Optics and Mechanics)			3.00
	CHM 111	Chemistry I			3.00
	MTH 121	Differential and Integral Calculus			3.00
	ME 160	Mechanical Engineering Drawing I Sessional			1.50
	SHOP 170	Machine Shop Sessional			0.75
					<u>Total=</u>

First Year 3rd Semester: 11th Batch (2022 Syllabus)

Semester	Course Code	Course Title	Faculty Name	Faculty Code	Cr.
1st Year 3rd Semester (11th Batch)	PHY 115	Physics II (Structure of Matter, Electricity, Magnetism and Modern Physics)			3.00
	CHM 113	Chemistry II (Chemistry of Materials)			3.00
	EEE 167	Basic Electrical & Electronic Circuit			3.00
	IPE 104	Engineering Graphics Sessional			1.50
	EEE 168	Basic Electrical & Electronic Circuit Sessional			1.50
	SHOP 160	Foundry and Welding Shop Sessional			0.75
				<u>Total=</u>	12.75

Second Year 1st Semester: 8th+10th Batch (2021 Syllabus)

Semester	Course Code	Course Title	Faculty Name	Faculty Code	Cr.
2nd Year 1st Semester (8th+10th Batch)	MTH 221	Differential Equation, Vector Calculus and Laplace Transformation			3.00
	EEE 271	Electrical Machines and Electronics			3.00
	MME 295	Engineering Materials I			3.00
	CSE 295	Computer Programming Techniques			3.00
	EEE 272	Electrical Machines and Electronics Sessional			1.50
	MME 296	Engineering Materials Sessional			1.50
	CSE 296	Computer Programming Techniques Sessional			1.50
				<u>Total=</u>	16.50

Second Year 3rd Semester: 7th Batch (2021 Syllabus)

Semester	Course Code	Course Title	Faculty Name	Faculty Code	Cr.
2nd Year 3rd Semester (7th Batch)	IPE 209	Engineering Economy			2.00
	ME 243	Mechanics of Solids			3.00
	ME 265	Thermodynamics and Heat Transfer			3.00
	MME 297	Engineering Materials II			3.00
	ME 244	Mechanics of Solids Sessional			0.75
	ME 266	Thermodynamics and Heat Transfer Sessional			1.50
				<u>Total=</u>	13.25

Third Year 2nd Semester: 6th Batch (2012 Syllabus)

Semester	Course Code	Course Title	Faculty Name	Faculty Code	Cr.
3rd Year 2nd Semester (6th Batch)	IPE 303	Product Design I and Development			3.00
	IPE 307	Operation Research			3.00
	IPE 311	Materials Handling and Maintenance Management			3.00
	IPE 321	Modern Machinery and Machining Process			3.00
	IPE 304	Product Design I and Development Sessional			1.50
	IPE 312	Material Handling and Maintenance Management Sessional			0.75
				<u>Total=</u>	14.25

Third Year 3rd Semester: 5th Batch (2012 Syllabus)

Semester	Course Code	Course Title	Faculty Name	Faculty Code	Cr.
3rd Year 3rd Semester (5th Batch)	IPE 315	Operations and Project Management			3.00
	IPE 319	Quality Management			3.00
	IPE 329	Numerical Analysis			3.00
	IPE 320	Quality Management Sessional			0.75
	IPE 322	Business Communication Seminar I Sessional			1.50
				<u>Total=</u>	11.25

Fourth Year 1st Semester: 4th Batch (2012 Syllabus)

Semester	Course Code	Course Title	Faculty Name	Faculty Code	Cr.
4th Year 1st Semester (4th Batch)	IPE 401	Machine Tools			3.00
	IPE 423	Environmental Pollution and Control			3.00
	IPE 451	Supply Chain Management			3.00
	IPE 402	Machine Tools Sessional			1.5
	IPE 404	Industrial Practice Sessional			3.00
	IPE 470	Industrial Simulation Sessional			0.75
				<u>Total=</u>	14.25

Fourth Year 2nd Semester: 3rd Batch (2012 Syllabus)

Semester	Course Code	Course Title	Faculty Name	Faculty Code	Cr.
4th Year 2nd Semester (3rd Batch)	IPE 401	Machine Tools			3.00
	IPE 423	Environmental Pollution and Control			3.00
	IPE 451	Supply Chain Management			3.00
	IPE 402	Machine Tools Sessional			1.5
	IPE 404	Industrial Practice Sessional			3.00
	IPE 400	Project/Thesis			**
	IPE 470	Industrial Simulation Sessional			0.75
				<u>Total=</u>	14.25

Fourth Year 3rd Semester: 2nd Batch (2012 Syllabus)

Semester	Course Code	Course Title	Faculty Name	Faculty Code	Cr.
4th Year 3rd Semester (2nd Batch)	IPE 409	CAD/CAM			3.00
	IPE 410	CAD/CAM Sessional			1.00
	IPE 411	Industrial and Business Management			3.00
	IPE 419	Computer Integrated Manufacturing			3.00
	IPE 400	Project/Thesis			6.00
				<u>Total=</u>	16

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