SCHEME OF STUDIES
INDUSTRIAL MANUFACTURING ENGINEERING

Batch 2016-17

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
SPRING	MT-114	Calculus	3	0	3
	ME-101	Engineering Mechanics	3	1	4
	ME-111	Engineering Drawing	2	1	3
	ME-104	Workshop Practice	0	2	2
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies for Foreigners			
FALL	PH-122	Applied Physics	3	1	4
	IM-111	Functional English	2	0	2
	EE-122	Basic Electricity and Electronics	3	0	3
	IM-101	Computer Applications in Engineering	2	1	3
	IM-105	Thermofluids	3	1	4

Batch 2017

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 17-18	MT-114	Calculus	3	0	3
	ME-101	Engineering Mechanics	3	1	4
	***EE-122**	**Basic Electricity and Electronics**	**3**	**0**	**3**
	ME-104	Workshop Practice	0	2	2
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies for Foreigners			
SPRING 2018	PH-122	Applied Physics	3	1	4
	HS-111	Functional English	2	0	2
	***ME-111**	**Engineering Drawing**	**2**	**1**	**3**
	IM-101	Computer Applications in Engineering	2	1	3
	IM-105	Thermofluids	3	1	4
	HS-220	Chinese Language-I	NC		

* Vide Resolution No.576-154.5(iii)

Batch 2018

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2018	MT-114	Calculus	3	0	3
	ME-101	Engineering Mechanics	3	1	4
	EE-122	Basic Electricity and Electronics	3	0	3
	ME-104	Workshop Practice	0	2	2
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies for Foreigners			
SPRING 2019	PH-122	Applied Physics	3	1	4
	HS-111	Functional English	2	0	2
	ME-111	Engineering Drawing	2	1	3
	IM-101	Computer Applications in Engineering	2	1	3
	IM-105	Thermofluids	3	1	4
	HS-220	Chinese Language-I	NC		

Batch 2019

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2019	MT-114	Calculus	3	0	3
	ME-101	Engineering Mechanics	3	1	4
	EE-122	Basic Electricity and Electronics	3	0	3
	ME-104	Workshop Practice	0	2	2
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies for Foreigners			
SPRING 2020	PH-122	Applied Physics	3	1	4
	HS-111	Functional English	2	0	2
	ME-111	Engineering Drawing	2	1	3
	IM-101	Computer Applications in Engineering	2	1	3
	IM-105	Thermofluids	3	1	4
	HS-220	Chinese Language-I	NC		

Batch 2020

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2020	MT-114	Calculus	3	0	3
	ME-101	Engineering Mechanics	3	1	4
	EE-122	Basic Electricity and Electronics	3	0	3
	ME-104	Workshop Practice	0	2	2
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies for Foreigners			
SPRING 2021	PH-122	Applied Physics	3	1	4
	HS-111	Functional English	2	0	2
	ME-111	Engineering Drawing	2	1	3
	IM-101	Computer Applications in Engineering	2	1	3
	IM-105	Thermofluids	3	1	4
	HS-220	Chinese Language-I	NC		
	HS-250	Community Service	NC		

Batch 2021

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2021	MT-114	Calculus	3	0	3
	ME-101	Engineering Mechanics	3	1	4
	EE-122	Basic Electricity and Electronics	3	0	3
	ME-104	Workshop Practice	0	2	2
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies for Foreigners			
SPRING 2022	PH-122	Applied Physics	3	1	4
	HS-111	Functional English	2	0	2
	ME-111	Engineering Drawing	2	1	3
	IM-101	Computer Applications in Engineering	2	1	3
	IM-105	Thermofluids	3	1	4

Batch 2022

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2022	MT-114	Calculus	3	0	3
	ME-101	Engineering Mechanics	3	1	4
	EE-122	Basic Electricity and Electronics	3	0	3
	ME-104	Workshop Practice	0	2	2
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies for Foreigners			
SPRING 2023	PH-122	Applied Physics	3	1	4
	HS-111	Functional English	2	0	2
	ME-111	Engineering Drawing	2	1	3
	IM-101	Computer Applications in Engineering	2	1	3
	IM-105	Thermofluids	3	1	4

Batch 2023

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2023	MT-114	Calculus	3	0	3
	ME-101	Engineering Mechanics	3	1	4
	EE-122	Basic Electricity and Electronics	3	0	3
	ME-104	Workshop Practice	0	2	2
	***ES-105**	**Pakistan Studies OR**	**2**	**0**	**2**
	***ES-106**	**Pakistan Studies for Foreigners**			
SPRING 2024	PH-122	Applied Physics	3	1	4
	****EA-111**	**Functional English**	**2**	**0**	**2**
	ME-111	Engineering Drawing	2	1	3
	IM-101	Computer Applications in Engineering	2	1	3
	IM-105	Thermofluids	3	1	4

* Under Section 20(iv) Offec Order Acad/42(156)/16911

** Under Section 20(iv) Offec Order Acad/42(156)/16909

Batch 2024

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2024	MT-114	Calculus	3	0	3
	ME-101	Engineering Mechanics	3	1	4
	EE-122	Basic Electricity and Electronics	3	0	3
	ME-104	Workshop Practice	0	2	2
	ES-105	Pakistan Studies OR	2	0	2
	ES-127	Pakistan Studies for Foreigners			NC
SPRING 2025	PH-122	Applied Physics	3	1	4
	ES-112	Functional English	2	0	2
	ME-111	Engineering Drawing	2	1	3
	IM-101	Computer Applications in Engineering	2	1	3
	IM-105	Thermofluids	3	1	4

Batch 2025

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2025	MT-116	Calculus and Analytical Geometry	3	0	3
	IM-108	Engineering Drawing and Graphics	0	2	2
	ME-104	Workshop Practice	0	2	2
	MT-101	IT Fundamentals and Applications	2	0	2
	EA-128	Functional English	3	0	3
	CY-100	Essentials of Chemistry			NC
	ES-105	Pakistan Studies OR	2	0	2
	ES-127	Pakistan Studies for Foreigners			
SPRING 2026	PH-122	Applied Physics	3	0	3
	IM-101	Materials Engineering	3	1	4
	ES-108	Ideology and Constitution of Pakistan	2	0	2
	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	ES-206	Islamic Studies OR	2	0	2
	ES-209	Ethical Behaviour	2	0	2
	ME-101	Engineering Mechanics	3	1	4

Changed with vide Resolution No. AC-168.5(iii)

Batch 2016-17

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 17-18	IM-208	Materials Engineering	3	1	4
	IM-209	Mechanics of Materials	3	1	4
	IM-203	Manufacturing Processes	3	1	4
	MT-252	Introduction to Probability and Statistics	3	1	4
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	MT-225	Linear Algebra & Ordinary Differential Equations	3	0	3
SPRING 2018	MF-303	Applied Economics for Engineers	3	0	3
	IM-211	Machine Design	3	1	4
	IM-212	Computer Aided Engineering Design	2	1	3
	IM-213	Metrology and Quality Control	3	1	4

Batch 2017

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2018	IM-208	Materials Engineering	3	1	4
	IM-209	Mechanics of Materials	3	1	4
	IM-203	Manufacturing Processes	3	1	4
	MT-252	Introduction to Probability and Statistics	3	1	4
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	HS-210	Chinese Language-II			NC
	MT-225	Linear Algebra & Ordinary Differential Equations	3	0	3
SPRING 2019	MF-303	Applied Economics for Engineers	3	0	3
	IM-211	Machine Design	3	1	4
	IM-212	Computer Aided Engineering Design	2	1	3
	IM-213	Metrology and Quality Control	3	1	4

Batch 2018

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2019	IM-208	Materials Engineering	3	1	4
	IM-209	Mechanics of Materials	3	1	4
	IM-203	Manufacturing Processes	3	1	4
	MT-252	Introduction to Probability and Statistics	3	1	4
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	HS-221	Chinese Language-II			NC
	MT-225	Linear Algebra & Ordinary Differential Equations	3	0	3
SPRING 2020	MF-303	Applied Economics for Engineers	3	0	3
	IM-211	Machine Design	3	1	4
	IM-212	Computer Aided Engineering Design	2	1	3
	IM-213	Metrology and Quality Control	3	1	4

Batch 2019

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2020	IM-208	Materials Engineering	3	1	4
	IM-209	Mechanics of Materials	3	1	4
	IM-203	Manufacturing Processes	3	1	4
	MT-252	Introduction to Probability and Statistics	3	1	4
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	HS-222	Chinese Language-II			NC
	MT-225	Linear Algebra & Ordinary Differential Equations	3	0	3
SPRING 2021	MF-303	Applied Economics for Engineers	3	0	3
	IM-211	Machine Design	3	1	4
	IM-212	Computer Aided Engineering Design	2	1	3
	IM-213	Metrology and Quality Control	3	1	4

Batch 2020

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2021	IM-208	Materials Engineering	3	1	4
	IM-209	Mechanics of Materials	3	1	4
	IM-203	Manufacturing Processes	3	1	4
	MT-252	Introduction to Probability and Statistics	3	1	4
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	MT-225	Linear Algebra & Ordinary Differential Equations	3	0	3
SPRING 2022	MF-303	Applied Economics for Engineers	3	0	3
	IM-211	Machine Design	3	1	4
	IM-212	Computer Aided Engineering Design	2	1	3
	IM-213	Metrology and Quality Control	3	1	4
	HS-200	Community Service			NC

Batch 2021

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2022	IM-208	Materials Engineering	3	1	4
	IM-209	Mechanics of Materials	3	1	4
	IM-203	Manufacturing Processes	3	1	4
	MT-252	Introduction to Probability and Statistics	3	1	4
	HS-205	Islamic Studies OR	2	0	2
	***ES-209**	**Ethical Behaviour**			
	MT-225	Linear Algebra & Ordinary Differential Equations	3	0	3
SPRING 2023	MF-303	Applied Economics for Engineers	3	0	3
	IM-211	Machine Design	3	1	4
	IM-212	Computer Aided Engineering Design	2	1	3
	IM-213	Metrology and Quality Control	3	1	4
	***EA-200**	**Community Service**			**NC**

Batch 2022

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2023	IM-208	Materials Engineering	3	1	4
	IM-209	Mechanics of Materials	3	1	4
	IM-203	Manufacturing Processes	3	1	4
	MT-252	Introduction to Probability and Statistics	3	1	4
	***ES-205**	**Islamic Studies OR**	**2**	**0**	**2**
	***ES-209**	**Ethical Behaviour**			
	MT-225	Linear Algebra & Ordinary Differential Equations	3	0	3
SPRING 2024	MF-303	Applied Economics for Engineers	3	0	3
	IM-211	Machine Design	3	1	4
	IM-212	Computer Aided Engineering Design	2	1	3
	IM-213	Metrology and Quality Control	3	1	4
	***EA-200**	**Community Service**			**NC**

* Under Section 20(iv) Offec Order Acad/42(156)/16911

** Under Section 20(iv) Offec Order Acad/42(156)/16909

Batch 2023

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2024	IM-208	Materials Engineering	3	1	4
	IM-209	Mechanics of Materials	3	1	4
	IM-203	Manufacturing Processes	3	1	4
	MT-252	Introduction to Probability and Statistics	3	1	4
	ES-205	Islamic Studies OR	2	0	2
	ES-209	Ethical Behaviour			
	MT-225	Linear Algebra & Ordinary Differential Equations	3	0	3
SPRING 2025	MF-303	Applied Economics for Engineers	3	0	3
	IM-211	Machine Design	3	1	4
	IM-212	Computer Aided Engineering Design	2	1	3
	IM-213	Metrology and Quality Control	3	1	4
	EA-200	Community Service			NC

Batch 2024

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2025	IM-208	Materials Engineering	3	1	4
	IM-209	Mechanics of Materials	3	1	4
	IM-203	Manufacturing Processes	3	1	4
	MT-252	Introduction to Probability and Statistics	3	1	4
	***ES-206**	**Islamic Studies OR**	**2**	**0**	**2**
	ES-209	Ethical Behaviour			
	MT-225	Linear Algebra & Ordinary Differential Equations	3	0	3
SPRING 2026	MF-303	Applied Economics for Engineers	3	0	3
	IM-211	Machine Design	3	1	4
	IM-212	Computer Aided Engineering Design	2	1	3
	IM-213	Metrology and Quality Control	3	1	4
	EA-200	Community Service			NC

* Changed Vide Resolution No.AC-164.5(vi)

Batch 2025

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2026	MF-201	Civics and Community Engagement	2	0	2
	IM-324	Sustainable Manufacturing	2	0	2
	IM-215	Mechanics of Materials	2	1	3
	IM-203	Manufacturing Processes	3	1	4
	EE-124	Basic Electricity and Electronics	3	0	3
	XX-###	Social Science Elective			
	MT-252	Probability and Statistics	3	0	3
SPRING 2027	IM-218	Machine Design	2	0	2
	IM-219	Computer Aided Engineering Design	2	1	3
	IM-221	Digital Design and Mechanism Lab	0	1	1
	IM-201	Health, Safety & Environment	2	0	2
	IM-222	Methods Engineering	2	1	3
	IM-223	Industrial Engineering & Safety Lab	0	1	1
	IM-207	Thermofluids	2	1	3
	MF-205	Community Service			NC

Changed with vide Resolution No. AC-168.5(iii)

Batch 2016-17

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2018	HS-304	Business Communication & Ethics	3	0	3
	IM-303	Production Management	3	1	4
	MT-333	Advanced Calculus & Fourier Analysis	3	0	3
	IM-312	Applied Thermo Fluids	3	1	4
	IM-310	Tool Design	3	1	4
	IM-308	Operations Research	3	1	4
SPRING 2019	IM-307	Advanced Manufacturing Processes	3	1	4
	IM-408	Automation & Robotics	3	1	4
	IM-411	Methods Engineering	2	1	3
	IM-320	Modeling and Simulation	2	1	3

Batch 2017

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2019	HS-304	Business Communication & Ethics	3	0	3
	IM-303	Production Management	3	1	4
	MT-333	Advanced Calculus & Fourier Analysis	3	0	3
	IM-312	Applied Thermo Fluids	3	1	4
	IM-310	Tool Design	3	1	4
	IM-308	Operations Research	3	1	4
SPRING 2020	IM-307	Advanced Manufacturing Processes	3	1	4
	IM-408	Automation & Robotics	3	1	4
	IM-411	Methods Engineering	2	1	3
	IM-320	Modeling and Simulation	2	1	3

Batch 2018

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2020	HS-304	Business Communication & Ethics	3	0	3
	IM-303	Production Management	3	1	4
	MT-333	Advanced Calculus & Fourier Analysis	3	0	3
	IM-312	Applied Thermo Fluids	3	1	4
	IM-310	Tool Design	3	1	4
	IM-308	Operations Research	3	1	4
SPRING 2021	IM-307	Advanced Manufacturing Processes	3	1	4
	IM-408	Automation & Robotics	3	1	4
	IM-411	Methods Engineering	2	1	3
	IM-320	Modeling and Simulation	2	1	3

Batch 2019

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2021	HS-304	Business Communication & Ethics	3	0	3
	IM-303	Production Management	3	1	4
	MT-333	Advanced Calculus & Fourier Analysis	3	0	3
	IM-312	Applied Thermo Fluids	3	1	4
	IM-310	Tool Design	3	1	4
	IM-308	Operations Research	3	1	4
SPRING 2022	IM-307	Advanced Manufacturing Processes	3	1	4
	IM-408	Automation & Robotics	3	1	4
	IM-411	Methods Engineering	2	1	3
	IM-320	Modeling and Simulation	2	1	3

Batch 2020

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2022	HS-304	Business Communication & Ethics	3	0	3
	IM-303	Production Management	3	1	4
	MT-333	Advanced Calculus & Fourier Analysis	3	0	3
	IM-312	Applied Thermo Fluids	3	1	4
	IM-310	Tool Design	3	1	4
	IM-308	Operations Research	3	1	4
SPRING 2023	IM-307	Advanced Manufacturing Processes	3	1	4
	IM-408	Automation & Robotics	3	1	4
	IM-411	Methods Engineering	2	1	3
	IM-320	Modeling and Simulation	2	1	3

Batch 2021

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2023	***EA-304**	**Business Communication & Ethics**	**3**	**0**	**3**
	IM-303	Production Management	3	1	4
	MT-333	Advanced Calculus & Fourier Analysis	3	0	3
	IM-312	Applied Thermo Fluids	3	1	4
	IM-310	Tool Design	3	1	4
	IM-308	Operations Research	3	1	4
SPRING 2024	IM-307	Advanced Manufacturing Processes	3	1	4
	IM-408	Automation & Robotics	3	1	4
	IM-411	Methods Engineering	2	1	3
	IM-320	Modeling and Simulation	2	1	3
	***EA/ES**	**Foreign Language-I**			**NC**

* Under Section 20(iv) Offec Order Acad/42(156)/16909

Batch 2022

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2024	EA-304	Business Communication & Ethics	3	0	3
	IM-303	Production Management	3	1	4
	MT-333	Advanced Calculus & Fourier Analysis	3	0	3
	IM-312	Applied Thermo Fluids	3	1	4
	IM-310	Tool Design	3	1	4
	IM-308	Operations Research	3	1	4
SPRING 2025	IM-307	Advanced Manufacturing Processes	3	1	4
	IM-408	Automation & Robotics	3	1	4
	IM-411	Methods Engineering	2	1	3
	IM-320	Modeling and Simulation	2	1	3
	EA/ES	Foreign Language-I			NC

Batch 2023

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2025	EA-304	Business Communication & Ethics	3	0	3
	IM-303	Production Management	3	1	4
	MT-333	Advanced Calculus & Fourier Analysis	3	0	3
	IM-312	Applied Thermo Fluids	3	1	4
	IM-310	Tool Design	3	1	4
	IM-308	Operations Research	3	1	4
SPRING 2026	IM-307	Advanced Manufacturing Processes	3	1	4
	IM-408	Automation & Robotics	3	1	4
	IM-411	Methods Engineering	2	1	3
	IM-320	Modeling and Simulation	2	1	3
	EA/ES	Foreign Language-I			NC

Batch 2024

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2026	EA-304	Business Communication & Ethics	3	0	3
	IM-303	Production Management	3	1	4
	MT-333	Advanced Calculus & Fourier Analysis	3	0	3
	IM-312	Applied Thermo Fluids	3	1	4
	IM-310	Tool Design	3	1	4
	IM-308	Operations Research	3	1	4
SPRING 2027	IM-307	Advanced Manufacturing Processes	3	1	4
	IM-408	Automation & Robotics	3	1	4
	IM-411	Methods Engineering	2	1	3
	IM-320	Modeling and Simulation	2	1	3
	EA/ES	Foreign Language-I			NC

Batch 2025

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2027	EA-304	Business Communication & Ethics	3	0	3
	IM-326	Production Management	2	1	3
	XX-###	Management Science Elective			
	MT-443	Numerical Analysis	3	0	3
	IM-309	Operations Research	3	1	4
	IM-323	Project Management	2	0	2
	IM-322	Industrial Repair and Maintenance	2	1	3
	IM-407	Advanced Manufacturing Processes	3	1	4
	IM-325	Industrial Automation and Control	3	1	4
SPRING 2028	IM-405	Modeling and Quality Control	2	1	3
	IM-320	Modeling and Simulation	2	1	3
	EA/ES	Foreign Language-I			NC

Changed with vide Resolution No. AC-168.5(iii)

Batch 2016-17

FINAL YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2019	IM-405	Finite Element Analysis	3	1	3
	IM-402	Computer Aided Manufacturing	3	1	4
	MG-450	Principles of Supply Chain Management	3	0	3
	IM-##/	Elective Course	3	1	4
	IM-409	*Manufacturing Engineering Project	0	3	3
SPRING 2020	MG-481	Entrepreneurship	3	0	3
	IM-417	Health, Safety & Environment	2	1	3
	MT-441	Advanced Mathematical Techniques	3	0	3
	IM-413	Plant Engineering	3	1	4
	IM-409	Manufacturing Engineering Project	0	3	3

Batch 2017

FINAL YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2020	IM-405	Finite Element Analysis	3	1	3
	IM-402	Computer Aided Manufacturing	3	1	4
	MG-450	Principles of Supply Chain Management	3	0	3
	IM-##/	Elective Course	3	1	4
	IM-409	*Manufacturing Engineering Project	0	3	3
SPRING 2021	MG-481	Entrepreneurship	3	0	3
	IM-417	Health, Safety & Environment	2	1	3
	MT-441	Advanced Mathematical Techniques	3	0	3
	IM-413	Plant Engineering	3	1	4
	IM-409	Manufacturing Engineering Project	0	3	3

Batch 2018

FINAL YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2021	IM-405	Finite Element Analysis	3	1	3
	IM-402	Computer Aided Manufacturing	3	1	4
	MG-450	Principles of Supply Chain Management	3	0	3
	IM-##/	Elective Course	3	1	4
	IM-409	*Manufacturing Engineering Project	0	3	3
SPRING 2022	MG-481	Entrepreneurship	3	0	3
	IM-417	Health, Safety & Environment	2	1	3
	MT-441	Advanced Mathematical Techniques	3	0	3
	IM-413	Plant Engineering	3	1	4
	IM-409	Manufacturing Engineering Project	0	3	3

Batch 2019

FINAL YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr Hrs Th	Pr	T
		Industrial & Manufacturing Engineering			
FALL 2022	IM-405	Finite Element Analysis	3	1	3
	IM-402	Computer Aided Manufacturing	3	1	4
	MG-450	Principles of Supply Chain Management	3	0	3
	IM-##/	Elective Course	3	1	4
	IM-409	*Manufacturing Engineering Project	0	3	3
SPRING 2023	MG-481	Entrepreneurship	3	0	3
	IM-417	Health, Safety & Environment	2	1	3
	MT-441	Advanced Mathematical Techniques	3	0	3
	IM-413	Plant Engineering	3	1	4