SCHEME OF STUDIES
MECHANICAL ENGINEERING

Batch 2018
FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2018				
CY-109	Applied Chemistry	3	1	4
MT-114	Calculus	3	0	3
CE-103	Engineering Surveying-I	3	1	4
ME-111	Engineering Drawing	2	1	3
HS-105	Pakistan Studies OR	2	0	2
HS-127	Pakistan Studies (for Foreigners)			
SPRING 2019				
PH-122	Applied Physics	3	1	4
HS-104	Functional English	3	0	3
EE-124	Basic Electricity and Electronics	2	1	3
ME-112	Thermodynamics	3	0	3
ME-104	Workshop Practice	0	2	2
ME-106	Statics	2	1	3
HS-220	Chinese Language-I		NC	

Batch 2019
FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2019				
CY-109	Applied Chemistry	3	1	4
MT-114	Calculus	3	0	3
EE-124	**Basic Electricity and Electronics**	**2**	**1**	**3**
ME-111	Engineering Drawing	2	1	3
HS-105	Pakistan Studies OR	2	0	2
HS-127	Pakistan Studies (for Foreigners)			
****HS-200**	**Community Service**		**NC**	
SPRING 2020				
PH-122	Applied Physics	3	1	4
***HS-111**	**Functional English**	**2**	**0**	**2**
ME-112	Thermodynamics	3	0	3
ME-104	Workshop Practice	0	2	2
ME-106	Statics	2	1	3
***HS-119**	**Islamic Studies OR**	**2**	**0**	**2**
***HS-209**	**Ethical Behaviour**			
****HS-220**	**Chinese Language-I**		**NC**	

* Vide Resolution No.AC-144.5(v)
** Vide Resolution No. AC-148.3(i)

Batch 2020
FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2020				
***CY-111**	**Applied Chemistry**	**2**	**0**	**2**
MT-114	Calculus	3	0	3
EE-124	Basic Electricity and Electronics	2	1	3
ME-111	Engineering Drawing	2	1	3
HS-105	Pakistan Studies OR	2	0	2
HS-127	Pakistan Studies (for Foreigners)			
***ME-113**	**Computer Aided Drawing**	**0**	**1**	**1**
HS-200	Community Service		NC	
SPRING 2021				
***PH-112**	**Applied Physics**	**2**	**1**	**3**
HS-111	Functional English	2	0	2
ME-112	Thermodynamics	3	0	3
ME-104	Workshop Practice	0	2	2
***ME-115**	**Statics**	**3**	**0**	**3**
***ME-214**	**Computer Programming & Applications**	**2**	**1**	**3**
HS-220	Chinese Language-I		NC	

* Vide Resolution No. AC-148.3(i)

Batch 2021
FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2021				
CY-111	Applied Chemistry	2	0	2
MT-114	Calculus	3	0	3
EE-124	Basic Electricity and Electronics	2	1	3
ME-111	Engineering Drawing	2	1	3
HS-105	Pakistan Studies OR	2	0	2
HS-127	Pakistan Studies (for Foreigners)			
ME-113	Computer Aided Drawing	0	1	1
HS-200	Community Service		NC	
SPRING 2022				
PH-112	Applied Physics	2	1	3
HS-111	Functional English	2	0	2
ME-112	Thermodynamics	3	0	3
ME-104	Workshop Practice	0	2	2
ME-115	Statics	3	0	3
ME-214	Computer Programming & Applications	2	1	3

Batch 2022
FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2022				
CY-111	Applied Chemistry	2	0	2
MT-114	Calculus	3	0	3
EE-124	Basic Electricity and Electronics	2	1	3
ME-111	Engineering Drawing	2	1	3
HS-105	Pakistan Studies OR	2	0	2
HS-127	Pakistan Studies (for Foreigners)			
ME-113	Computer Aided Drawing	0	1	1
HS-200	Community Service		NC	
SPRING 2023				
PH-112	Applied Physics	2	1	3
HS-111	Functional English	2	0	2
ME-112	Thermodynamics	3	0	3
ME-104	Workshop Practice	0	2	2
ME-115	Statics	3	0	3
ME-214	Computer Programming & Applications	2	1	3

Batch 2023
FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2023				
CY-111	Applied Chemistry	2	0	2
MT-114	Calculus	3	0	3
EE-124	Basic Electricity and Electronics	2	1	3
ME-111	Engineering Drawing	2	1	3
***ES-105**	**Pakistan Studies OR**	**2**	**0**	**2**
***ES-127**	**Pakistan Studies (for Foreigners)**			
ME-113	Computer Aided Drawing	0	1	1
****EA-200**	**Community Service**		**NC**	
SPRING 2024				
PH-112	Applied Physics	2	1	3
****EA-111**	**Functional English**	**2**	**0**	**2**
ME-112	Thermodynamics	3	0	3
ME-104	Workshop Practice	0	2	2
ME-115	Statics	3	0	3
ME-214	Computer Programming & Applications	2	1	3

* Under Section 28(iv) Offiec Order Acad(42)156)16911
** Under Section 28(iv) Offiec Order Acad(42)156)16909

Batch 2024
FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2024				
CY-111	Applied Chemistry	2	0	2
MT-114	Calculus	3	0	3
EE-124	Basic Electricity and Electronics	2	1	3
ME-111	Engineering Drawing	2	1	3
ES-105	Pakistan Studies OR	2	0	2
ES-127	Pakistan Studies (for Foreigners)			
ME-113	Computer Aided Drawing	0	1	1
SPRING 2025				
PH-112	Applied Physics	2	1	3
EA-111	Functional English	2	0	2
ME-112	Thermodynamics	3	0	3
ME-104	Workshop Practice	0	2	2
ME-115	Statics	3	0	3
ME-214	Computer Programming & Applications	2	1	3

Batch 2025
FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2025				
CY-110	Applied Chemistry for Engineers	2	1	3
MT-116	Calculus and Analytical Geometry	3	0	3
ES-105	Pakistan Studies OR	2	0	2
ES-127	Pakistan Studies (for Foreigners)	2	0	2
EA-128	Functional English	3	0	3
ME-118	Engineering Drawing	1	1	2
ME-119	Thermodynamics-I	3	0	3
CY-100	Essentials of Chemistry		NC	
ES-206	Islamic Studies OR	2	0	2
ES-209	Ethical Behaviour			
ES-108	Ideology and Constitution of Pakistan	2	0	2
MT-221	Linear Algebra & Ordinary Differential Equations	3	1	4
EE-210	Basic Electrical and Electronics Engineering	2	1	3
MF-101	IT Fundamentals and Applications	2	1	3
ME-120	Statics	3	0	3
Changed with vide Resolution No. AC-168.5(vi)				
SPRING 2026				
MF-201	Civics and Community Engagement	2	0	2
MT-232	Advanced Calculus & Transformations	2	0	2
MT-227	Mechanics of Materials-I	3	0	3
ME-231	Thermodynamics-II	2	0	2
ME-229	Materials Engineering	2	0	2
ME-226	Dynamics	2	0	2
ME-228	Engineering Mechanics Lab	0	1	1
ME-228	Workshop Practice	0	1	1
ME-113	Computer Aided Drawing	0	1	1
MT-233	Probability & Statistics	2	0	2
MT-334	Numerical Methods for Engineers	3	0	3
MT-336	Statistics and Numerical Methods Lab	0	1	1
ME-219	Mechanics of Machines	3	0	3
ME-235	Fluid Mechanics-I	3	0	3
ME-234	Applied Programming for Mechanical Engineers	1	1	2
ME-233	Manufacturing Processes	3	0	3
ME-232	Materials and Manufacturing Lab	0	1	1
MF-205	Community Service		NC	
Changed with vide Resolution No. AC-168.5(vi)				

Batch 2018
SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2019				
ME-204	Fluid Mechanics - I	3	1	4
ME-215	Internal Combustion Engines	2	1	3
ME-216	Production Engineering - I	3	0	3
ME-213	Dynamics	2	1	3
HS-205	Islamic Studies OR	2	0	2
HS-209	Ethical Behaviour		NC	
MT-223	Ordinary Differential Equations & Fourier Series	3	0	3
HS-221	Chinese Language-II		NC	
MT-330	Applied Probability & Statistics	2	1	3
ME-202	Solid Mechanics - I	3	1	4
ME-217	Elements of Machine Dynamics & Design	3	0	3
ME-209	Materials & Metallurgy	3	1	4
ME-214	Computer Programming & Applications	2	1	3

Batch 2019
SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2020				
MT-223	Ordinary Differential Equations & Fourier Series	3	0	3
****ME-221**	**Fluid Mechanics - I**	**3**	**0**	**3**
****ME-222**	**Dynamics**	**3**	**0**	**3**
****ME-224**	**Internal Combustion Engines**	**3**	**0**	**3**
****ME-220**	**Manufacturing Processes - I**	**3**	**1**	**4**
****HS-221**	**Chinese Language-II**		**NC**	
MT-330	Applied Probability & Statistics	2	1	3
ME-209	Materials & Metallurgy	3	1	4
ME-214	Computer Programming & Applications	2	1	3
***ME-219**	**Mechanics of Machine**	**3**	**0**	**3**
****HS-208**	**Business Communication & Ethics**	**3**	**0**	**3**

* Vide Resolution No.AC-144.5(v)
** Vide Resolution No. AC-148.3(i)

Batch 2020
SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2021				
MT-223	Ordinary Differential Equations & Fourier Series	3	0	3
***ME-221**	**Fluid Mechanics - I**	**3**	**0**	**3**
***ME-222**	**Dynamics**	**3**	**0**	**3**
***ME-223**	**Engineering Mechanics Lab**	**0**	**1**	**1**
***ME-224**	**Internal Combustion Engines**	**3**	**0**	**3**
***ME-220**	**Manufacturing Processes - I**	**3**	**1**	**4**
HS-221	Chinese Language-II		NC	
MT-330	Applied Probability & Statistics	2	1	3
ME-209	Materials & Metallurgy	3	1	4
ME-214	Computer Programming & Applications	2	1	3
***HS-205**	**Islamic Studies OR**	**2**	**0**	**2**
***HS-209**	**Ethical Behaviour**			
***ME-219**	**Mechanics of Machine**	**3**	**0**	**3**
****HS-208**	**Business Communication & Ethics**	**3**	**0**	**3**

Vide Resolution No. AC-148.3(i)

Batch 2021
SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2022				
MT-223	Ordinary Differential Equations & Fourier Series	3	0	3
ME-221	Fluid Mechanics - I	3	0	3
ME-222	Dynamics	3	0	3
ME-223	Engineering Mechanics Lab	0	1	1
ME-224	Internal Combustion Engines	3	0	3
ME-220	Manufacturing Processes - I	3	1	4
HS-221	Chinese Language-II		NC	
MT-330	Applied Probability & Statistics	2	1	3
ME-209	Materials & Metallurgy	3	1	4
***ES-205**	**Islamic Studies OR**	**2**	**0**	**2**
HS-209	Ethical Behaviour			
ME-219	Mechanics of Machine	3	0	3
HS-208	Business Communication & Ethics	3	0	3

Batch 2022
SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2023				
MT-223	Ordinary Differential Equations & Fourier Series	3	0	3
ME-221	Fluid Mechanics - I	3	0	3
ME-222	Dynamics	3	0	3
ME-223	Engineering Mechanics Lab	0	1	1
ME-224	Internal Combustion Engines	3	0	3
ME-220	Manufacturing Processes - I	3	1	4
MT-330	Applied Probability & Statistics	2	1	3
ME-209	Materials & Metallurgy	3	1	4
***ES-205**	**Islamic Studies OR**	**2**	**0**	**2**
***ES-209**	**Ethical Behaviour**			
ME-219	Mechanics of Machine	3	0	3
****EA-208**	**Business Communication & Ethics**	**3**	**0**	**3**

* Under Section 28(iv) Offiec Order Acad(42)156)16911
* Under Section 28(iv) Offiec Order Acad(42)156)16909

Batch 2023
SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2024				
MT-223	Ordinary Differential Equations & Fourier Series	3	0	3
ME-221	Fluid Mechanics - I	3	0	3
ME-222	Dynamics	3	0	3
ME-223	Engineering Mechanics Lab	0	1	1
ME-224	Internal Combustion Engines	3	0	3
ME-220	Manufacturing Processes - I	3	1	4
MT-330	Applied Probability & Statistics	2	1	3
ME-209	Materials & Metallurgy	3	1	4
ES-205	Islamic Studies OR	2	0	2
ES-209	Ethical Behaviour			
ME-219	Mechanics of Machine	3	0	3
EA-208	Business Communication & Ethics	3	0	3

Batch 2024
SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2025				
MT-223	Ordinary Differential Equations & Fourier Series	3	0	3
ME-221	Fluid Mechanics - I	3	0	3
ME-222	Dynamics	3	0	3
ME-223	Engineering Mechanics Lab	0	1	1
ME-224	Internal Combustion Engines	3	0	3
ME-220	Manufacturing Processes - I	3	1	4
MT-330	Applied Probability & Statistics	2	1	3
ME-209	Materials & Metallurgy	3	1	4
ME-113	Computer Aided Drawing	0	1	1
***ES-206**	**Islamic Studies OR**	**2**	**0**	**2**
ES-209	Ethical Behaviour			
ME-219	Mechanics of Machine	3	0	3
EA-208	Business Communication & Ethics	3	0	3

Batch 2025
SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2026				
MF-201	Civics and Community Engagement	2	0	2
MT-232	Advanced Calculus & Transformations	2	0	2
MT-227	Mechanics of Materials-I	3	0	3
ME-231	Thermodynamics-II	2	0	2
ME-229	Materials Engineering	2	0	2
ME-226	Dynamics	2	0	2
ME-228	Engineering Mechanics Lab	0	1	1
ME-228	Workshop Practice	0	1	1
ME-113	Computer Aided Drawing	0	1	1
MT-233	Probability & Statistics	2	0	2
MT-334	Numerical Methods for Engineers	3	0	3
MT-336	Statistics and Numerical Methods Lab	0	1	1
ME-219	Mechanics of Machines	3	0	3
ME-235	Fluid Mechanics-I	3	0	3
ME-234	Applied Programming for Mechanical Engineers	1	1	2
ME-233	Manufacturing Processes	3	0	3
ME-232	Materials and Manufacturing Lab	0	1	1
MF-205	Community Service		NC	
Changed with vide Resolution No. AC-168.5(vi)				
SPRING 2027				
ME-327	Advanced and Digital Manufacturing*	3	0	3
ME-318	Heat & Mass Transfer	3	0	3
ME-325	Mechanics of Materials- II	3	0	3
ME-326	Fluid Mechanics-II	3	1	4
ME-330	Conventional and Renewable Power Plants	2	0	2
ME-328	Mechanics of Materials Lab*	0	1	1
ME-331	Fluid Mechanics Lab	0	1	1
ME-329	Thermodynamics and Powerplant Lab	0	1	1
EA-244	Academic Reading and Writing	3	0	3
MF-304	Engineering Economics*	2	0	2
ME-332	Measurements and Instrumentation	2	0	2
ME-334	Refrigeration & Air Conditioning	3	0	3
ME-335	Mechanical Vibrations	3	0	3
ME-336	Machine Design	3	0	3
ME-337	Machine Design and Vibration Lab	0	1	1
ME-320	RAC and Heat Transfer Lab	0	1	1
EA/ES	Foreign Language-I		NC	

Batch 2018
THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2020				
HS-304	Business Communication & Ethics	3	0	3
ME-313	Solid Mechanics - II	3	0	3
ME-314	Fluid Mechanics-II	3	0	3
ME-307	Production Engineering - II	3	1	4
ME-312	Powerplant Engineering	3	1	4
MT-332	Advanced Calculus & Linear Algebra	3	0	3
EE-373	Machine Control System	3	1	4
ME-305	Machine Design	3	1	4
ME-403	Refrigeration & Air Conditioning	3	1	4
ME-315	Heat & Mass Transfer	3	1	4

Batch 2019
THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2021				
***ME-317**	**Manufacturing Processes - II**	**3**	**1**	**4**
***ME-321**	**Power Plant Engineering**	**3**	**0**	**3**
***ME-322**	**IC Engine and Power Plant Lab**	**0**	**1**	**1**
***ME-302**	**Solid Mechanics - II**	**3**	**1**	**4**
***ME-316**	**Fluid Mechanics-II**	**3**	**1**	**4**
***HS-###**	**Social Science (Elective)**	**2**	**0**	**2**
SPRING 2022				
MT-332	Advanced Calculus & Linear Algebra	3	0	3
***EL-305**	**Instrumentation and Control**	**3**	**1**	**4**
***ME-323**	**Machine Design**	**3**	**0**	**3**
***ME-318**	**Heat & Mass Transfer**	**3**	**0**	**3**
***ME-319**	**Refrigeration & Air Conditioning**	**3**	**0**	**3**
***ME-320**	**RAC and Heat Transfer Lab**	**0**	**1**	**1**

* Vide Resolution No.AC-144.5(v)
** Vide Resolution No. AC-148.3(i)

Batch 2020
THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2022				
ME-317	Manufacturing Processes - II	3	1	4
***ME-321**	**Power Plant Engineering**	**3**	**0**	**3**
***ME-322**	**IC Engine and Power Plant Lab**	**0**	**1**	**1**
***ME-302**	**Solid Mechanics - II**	**3**	**1**	**4**
***ME-316**	**Fluid Mechanics-II**	**3**	**1**	**4**
***HS-###**	**Social Science (Elective)**	**2**	**0**	**2**
MT-332	Advanced Calculus & Linear Algebra	3	0	3
EL-305	**Instrumentation and Control**	**3**	**1**	**4**
***ME-323**	**Machine Design**	**3**	**0**	**3**
MF-318	Heat & Mass Transfer	3	0	3
MF-319	Refrigeration & Air Conditioning	3	0	3
ME-320	RAC and Heat Transfer Lab	0	1	1

Vide Resolution No. AC-148.3(i)

Batch 2021
THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2023				
ME-317	Manufacturing Processes - II	3	1	4
ME-321	Power Plant Engineering	3	0	3
ME-322	IC Engine and Power Plant Lab	0	1	1
ME-302	Solid Mechanics - II	3	1	4
ME-316	Fluid Mechanics-II	3	1	4
***EA-###**	**Social Science (Elective)**	**2**	**0**	**2**
MT-332	Advanced Calculus & Linear Algebra	3	0	3
EL-305	Instrumentation and Control	3	1	4
MT-323	Machine Design	3	0	3
MF-318	Heat & Mass Transfer	3	0	3
MF-319	Refrigeration & Air Conditioning	3	0	3
ME-320	RAC and Heat Transfer Lab	0	1	1
***EA/ES**	**Foreign Language-I**		**NC**	

* Under Section 28(iv) Offiec Order Acad(42)156)16909

Batch 2022
THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2024				
ME-317	Manufacturing Processes - II	3	1	4
ME-321	Power Plant Engineering	3	0	3
ME-322	IC Engine and Power Plant Lab	0	1	1
ME-302	Solid Mechanics - II	3	1	4
ME-316	Fluid Mechanics-II	3	1	4
EA-###	Social Science (Elective)	2	0	2
MT-332	Advanced Calculus & Linear Algebra	3	0	3
EL-305	Instrumentation and Control	3	1	4
MT-323	Machine Design	3	0	3
MF-318	Heat & Mass Transfer	3	0	3
MF-319	Refrigeration & Air Conditioning	3	0	3
ME-320	RAC and Heat Transfer Lab	0	1	1
EA/ES	Foreign Language-I		NC	

Batch 2023
THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2025				
ME-317	Manufacturing Processes - II	3	1	4
ME-321	Power Plant Engineering	3	0	3
ME-322	IC Engine and Power Plant Lab	0	1	1
ME-302	Solid Mechanics - II	3	1	4
ME-316	Fluid Mechanics-II	3	1	4
EA-###	Social Science (Elective)	2	0	2
MT-332	Advanced Calculus & Linear Algebra	3	0	3
EL-305	Instrumentation and Control	3	1	4
MT-323	Machine Design	3	0	3
MF-318	Heat & Mass Transfer	3	0	3
MF-319	Refrigeration & Air Conditioning	3	0	3
ME-320	RAC and Heat Transfer Lab	0	1	1
EA/ES	Foreign Language-I		NC	

Batch 2024
THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2026				
ME-317	Manufacturing Processes - II	3	1	4
ME-321	Power Plant Engineering	3	0	3
ME-322	IC Engine and Power Plant Lab	0	1	1
ME-302	Solid Mechanics - II	3	1	4
ME-316	Fluid Mechanics-II	3	1	4
EA-###	Social Science (Elective)	2	0	2
MT-332	Advanced Calculus & Linear Algebra	3	0	3
EL-305	Instrumentation and Control	3	1	4
MT-323	Machine Design	3	0	3
MF-318	Heat & Mass Transfer	3	0	3
MF-319	Refrigeration & Air Conditioning	3	0	3
ME-320	RAC and Heat Transfer Lab	0	1	1
EA/ES	Foreign Language-I		NC	

Batch 2025
THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2027				
ME-327	Advanced and Digital Manufacturing*	3	0	3
ME-318	Heat & Mass Transfer	3	0	3
ME-325	Mechanics of Materials- II	3	0	3
ME-326	Fluid Mechanics-II	3	1	4
ME-330	Conventional and Renewable Power Plants	2	0	2
ME-328	Mechanics of Materials Lab*	0	1	1
ME-331	Fluid Mechanics Lab	0	1	1
ME-329	Thermodynamics and Powerplant Lab	0	1	1
EA-244	Academic Reading and Writing	3	0	3
MF-304	Engineering Economics*	2	0	2
ME-332	Measurements and Instrumentation	2	0	2
ME-334	Refrigeration & Air Conditioning	3	0	3
ME-335	Mechanical Vibrations	3	0	3
ME-336	Machine Design	3	0	3
ME-337	Machine Design and Vibration Lab	0	1	1
ME-320	RAC and Heat Transfer Lab	0	1	1
EA/ES	Foreign Language-I		NC	
Changed with vide Resolution No. AC-168.5(vi)				
SPRING 2028				
XX-###	Social Science (Elective)	2	0	2
MF-401	Professional Ethics	1	0	1
ME-440	Product Development and Reverse Engineering	2	1	3
ME-438	AI and Internet of Things	2	1	3
ME-441	Finite Element Methods	2	1	3
XX-###	Technical Elective-I			
ME-450	Mechanical Engineering Design Project	0	3	3
EA/ES	Foreign Language-II		NC	
MG-485	Entrepreneurship	2	0	2
ME-445	Operations Management	2	0	2
ME-442	Internal Combustion Engines and Electric Vehicles	3	0	3
ME-443	Health, Safety & Environment	1	0	1
XX-XXX	Technical Elective-II			
EE-402	Control Engineering	2	0	2
ME-444	Measurement Instrumentation and Control Engineering Lab	0	1	1
ME-450	Mechanical Engineering Design Project	0	3	3
EA/ES	Foreign Language-II		NC	
Changed with vide Resolution No. AC-168.5(vi)				
SPRING 2029				
MG-488	Entrepreneurship	3	0	3
MT-441	Advanced Mathematical Techniques	3	0	3
ME-417	Compressible Flow and Propulsion Systems	3	0	3
ME-409	Mechanical Engineering Project	0	3	3
ME-435	Operations Management	3	0	3
ME-###	Technical Elective 2			

Batch 2018
FINAL YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2021				
MF-303	Applied Economics for Engineers	3	0	3
ME-306	Mechanical Vibrations	3	1	4
ME-419	Stress Analysis	3	0	3
ME-420	Operations Management	2	0	2
ME-###	Elective Course 1			
ME-409	*Mechanical Engineering Project	0	3	3
SPRING 2022				
MG-481	Entrepreneurship	3	0	3
ME-417	Compressible Flow and Propulsion Systems	3	0	3
ME-###	Elective Course 2			
ME-409	Mechanical Engineering Project	0	3	3

Batch 2019
FINAL YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Crd Hrs Th	Pr	T
	Mechanical Engineering			
FALL 2022				
MF-303	Applied Economics for Engineers	3	0	3
****ME-436**	**Mechanical Vibrations**	**3**	**0**	**3**
****ME-437**	**Machine Design and Vibration Lab**	**0**	**1**	**1**
ME-419	Stress Analysis	3	0	3
ME-409	*Mechanical Engineering Project	0	3	3
***ME-###**	**Management Elective**			
****ME-###**	**Technical Elective 1**			
SPRING 2023				
MG-481	Entrepreneurship	3	0	3
MT-441	Advanced Mathematical Techniques	3	0	3
ME-417	Compressible Flow and Propulsion Systems	3	0	3
ME-409	Mechanical Engineering Project	0	3	3
****ME-435**	**Operations Management**	**3**	**0**	**3**
****ME-###**	**Technical Elective 2**			

* Vide Resolution No.AC-144.5(v)
** Vide Resolution No. AC-148.3(i)

Batch 2020
FINAL YEAR ---------- SEMESTER SYST