

Annexure-A
(Autumn 2023)

Faculty Teaching load (B.Tech/ M.Tech) for the Department of Mechanical Engineering, Autumn 2023

B.Tech (Mechanical Engineering)			
1st Semester (Batch 2023)			
Mechanical Engineering Department			
Courses	Contact Hours	Concerned Teacher	Department
Engineering Mathematics-I	3	Faculty from Applied Science Department	Applied Science
Engineering Physics	3	Faculty from Applied Science Department	Applied Science
Engineering Physics Lab	4	Faculty from Applied Science Department	Applied Science
Engineering Chemistry	3	Faculty from Applied Science Department	Electrical Engineering
Engineering Chemistry Lab	4	Faculty from Applied Science Department	Electrical Engineering
Computer Programming with C	3	Faculty from Electronics & Communication Department	E&C
Professional Communication	4	Faculty from Applied Science Department	Applied Science
Engineering Drawing	4	Dr. Mushtaq Ahmad Rather	Civil Engineering
		Dr. Showkat Ahmad Kanth	
		Dr. Farooq Ahmad Najar	
Work Shop Practice-A	4	Dr. Mushtaq Ahmad Rather	Mechanical Engineering
	4	Dr. Shariq Ahmad Bhat	Mechanical Engineering
Other Departments (Electrical Engineering Department)			
Engineering Drawing	4	Dr. Arjumand Rasool	Mechanical Engineering
		Dr. Kaleem Ahmad Najar	Mechanical Engineering
		Mr. Qazi Junaid Ashraf	Mechanical Engineering
Work Shop Practice-A	4	Dr. Showkat Ahmad Kanth	Mechanical Engineering
	4	Dr. Arjumand Rasool	Mechanical Engineering
Other Departments (Civil Engineering Department)			
Engineering Drawing	4	Dr. Mushtaq Ahmad Rather	Mechanical Engineering
		Dr. Showkat Ahmad Kanth	Mechanical Engineering
		Mr. Adil Mudasar Khan	Mechanical Engineering
Work Shop Practice-A	4	Dr. Ishfaq Amin Makaei	Mechanical Engineering
	4	Dr. Summera Banday	Mechanical Engineering
Other Departments (Electronics and Communication Engineering)			
Engineering Mechanics	4	Dr. Showkat Ahmad Kanth	Mechanical Engineering
Engineering Drawing	4	Dr. Arjumand Rasool	Mechanical Engineering
		Dr. Kaleem Ahmad Najar	Mechanical Engineering
		Junaid Hassan Masoodi	Mechanical Engineering
Work Shop Practice-B	8	Dr. Kaleem Ahmad Najar	Mechanical Engineering
	8	Ms. Sania Qadri	Mechanical Engineering

Faculty Teaching Load (DoME)/ Other Departments

Faculty Available		Classes/ Labs Contact Hours	Projects/ Seminars Contact Hours
Mr. Qazi Junaid Ashraf	Substantive	29	46
Junaid Hassan Masoodi	Substantive	27	46
Dr. Farooq Ahmad Najar	Substantive	23	46
Mr. Adil Mudasar Khan	Substantive	18	46
Dr. Summera Banday	Contractual	23	24
Dr. Showkat Ahmad Kanth	Contractual	19	6
Dr. Shariq Ahmad Bhat	Contractual	21	24
Dr. Mushtaq Ahmad Rather	Contractual	25	24
Dr. Ishfaq Amin Makaei	Contractual	19	6
Dr. Arjumand Rasool	Contractual	25	24
Dr. Kaleem Ahmad Najar	Contractual	25	24
Ms. Sania Qadri	Contractual	26	6
Faculty from Management Studies	Contractual	12	0
Faculty from Electronics and Communication Engineering Department	-	5	0
Faculty from Electrical Engineering Department	-	7	0
Faculty from Applied Science Department	-	21	0
Deficit		34	0

3rd Semester (Batch 2022)			
Mechanical Engineering Department			
Courses	Contact Hours	Concerned Teacher	Department
Fundamentals of Dynamics	3	Mr. Adil Mudasar Khan	Mechanical Engineering
Computer Aided Machine Drawing	6	Dr. Arjumand Rasool	Mechanical Engineering
Materials Engineering	3	Dr. Kaleem Ahmad Najar	Mechanical Engineering
Materials Engineering Lab (G1)	4	Dr. Kaleem Ahmad Najar	Mechanical Engineering
Materials Engineering Lab (G2)	4	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Basic Engineering Thermodynamics	3	Dr. Mushtaq Ahmad Rather	Mechanical Engineering
Manufacturing Technology-I	3	Dr. Summera Banday	Mechanical Engineering
Manufacturing Technology-I Lab (G1)	4	Dr. Summera Banday	Mechanical Engineering
Manufacturing Technology-I Lab (G2)	4	Dr. Farooq Ahmad Najar	Mechanical Engineering
Fluid Mechanics	4	Dr. Ishfaq Amin Makaei	Mechanical Engineering
Fluid Mechanics Lab (G1)	4	Dr. Ishfaq Amin Makaei	Mechanical Engineering
Fluid Mechanics Lab (G2)	4	Ms. Sania Qadri	Mechanical Engineering

4th Semester (Batch 2021)			
Mechanical Engineering Department			
Courses	Contact Hours	Concerned Teacher	Department
Laplace Fourier and Z Trnsforms	3	Dr. Irfan Faiq	Mechanical Engineering
Solid Mechanics-I	4	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Solid Mechanics-I Lab (G1)	4	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Solid Mechanics-I Lab (G2)	4	Dr. Ishfaq Amin Makaei	Mechanical Engineering
Theory of Machines-I	4	Dr. Shariq Ahmad Bhat	Mechanical Engineering
Theory of Machines-I Lab (G1)	4	Dr. Shariq Ahmad Bhat	Mechanical Engineering
Theory of Machines-I Lab (G2)	4	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Manufacturing Technology-II	3	Dr. Kaleem Ahmad Najar	Mechanical Engineering
Manufacturing Technology-II Lab (G1)	4	Dr. Kaleem Ahmad Najar	Mechanical Engineering
Manufacturing Technology-II Lab (G2)	4	Dr. Summera Banday	Mechanical Engineering
Applied Thermodynamics	3	Ms. Sania Qadri	Mechanical Engineering
Applied Thermodynamics Lab (G1)	4	Ms. Sania Qadri	Mechanical Engineering
Applied Thermodynamics Lab (G2)	4	Junaid Hassan Masoodi	Mechanical Engineering

Measurement and Instrumentation	3	Dr. Arjumand Rasool	Mechanical Engineering
Measurement and Instrumentation Lab (G1)	4	Dr. Arjumand Rasool	Mechanical Engineering
Measurement and Instrumentation Lab (G2)	4	Dr. Showkat Ahmad Kanth	Mechanical Engineering

6th Semester (Batch 2020)			
Mechanical Engineering Department			
Courses	Contact Hours	Concerned Teacher	Department
Humanities and Social Science including Managemnt			
Industrial Engineering-I	3	Ms. Sania Qadri	Mechanical Engineering
Industrial Engineering-I Lab	4	Ms. Sania Qadri	Mechanical Engineering
Industrial Engineering-I Lab	4	Dr. Summera Banday	Mechanical Engineering
Operation Research	3	Dr. Shariq Ahmad Bhat	Mechanical Engineering
Professional Elective Course			
Internal Combustion Engines	3	Dr. Showkat Ahmad Kanth	Mechanical Engineering
Internal Combustion Engines Lab	4	Dr. Farooq ahmad Najar	Mechanical Engineering
Internal Combustion Engines Lab	4	Dr. Showkat Ahmad Kanth	Mechanical Engineering
Automobile Engineering	3	Deficit	Mechanical Engineering
Automobile Engineering Lab	4	Deficit	Mechanical Engineering
Automobile Engineering Lab	4	Deficit	
Electrical Engineering Technology	3	Faculty from Electrical Engineering Department	Mechanical Engineering
Electrical Engineering Technology Lab	4	Faculty from Electrical Engineering Department	Mechanical Engineering
Professional Core Course			
Design of Machine Elements-I	3	Dr. Ishfaq Amin Makaei	Mechanical Engineering
Compressible Flow and Machines	4	Junaid Hassan Masoodi	Mechanical Engineering
Compressible Flow and Machines Lab	4	Junaid Hassan Masoodi	Mechanical Engineering
Compressible Flow and Machines Lab	4	Dr. Shariq Ahmad Bhat	Mechanical Engineering
Seminar (G1) (Total Hours=6)	6	Junaid Hassan Masoodi	Mechanical Engineering
Seminar (G2) (Total Hours=6)	6	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Seminar (G3) (Total Hours=6)	6	Dr. Farooq Ahmad Najar	Mechanical Engineering
Seminar (G4) (Total Hours=6)	6	Mr. Adil Mudasir Khan	Mechanical Engineering
Seminar (G5) (Total Hours=6)	6	Dr. Summera Banday	Mechanical Engineering
Seminar (G6) (Total Hours=6)	6	Dr. Showkat Ahmad Kanth	Mechanical Engineering
Seminar (G7) (Total Hours=6)	6	Dr. Shariq Ahmad Bhat	Mechanical Engineering
Seminar (G8) (Total Hours=6)	6	Dr. Mushtaq Ahmad Rather	Mechanical Engineering
Seminar (G8) (Total Hours=6)	6	Dr. Ishfaq Amin Makaei	Mechanical Engineering
Seminar (G1) (Total Hours=6)	6	Dr. Arjumand Rasool	Mechanical Engineering
Seminar (G2) (Total Hours=6)	6	Mr. Danish Yaqoob	Mechanical Engineering
Seminar (G3) (Total Hours=6)	6	Dr. Kaleem Ahmad Najar	Mechanical Engineering
Seminar (G3) (Total Hours=6)	6	Ms. Sania Qadri	Mechanical Engineering

8th Semester (Batch 2019)			
Mechanical Engineering Department			
Courses	Contact Hours	Concerned Teacher	Department
Refrigeration and Air conditioning	4	Dr. Mushtaq Ahmad Rather	Mechanical Engineering
Refrigeration and Air conditioning Lab (G1)	2	Dr. Mushtaq Ahmad Rather	Mechanical Engineering
Refrigeration and Air conditioning Lab (G2)	2	Dr. Shariq Ahmad Bhat	Mechanical Engineering
Fundamentals of Tribology	4	Dr. Summera Banday	Mechanical Engineering
Introduction to MEMS	3	Deficit	
Introduction to Acoustics	3	Deficit	
Value Engineering	3	Dr. Kaleem Ahmad Najar	Mechanical Engineering
	3	Faculty from Management Studies	
Project (G1) (Total Hours=18)	18	Junaid Hassan Masoodi	Mechanical Engineering
Project (G2) (Total Hours=18)	18	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Project (G3) (Total Hours=18)	18	Dr. Farooq Ahmad Najar	Mechanical Engineering
Project (G4) (Total Hours=18)	18	Mr. Adil Mudasir Khan	Mechanical Engineering
Project (G5) (Total Hours=18)	18	Dr. Summera Banday	Mechanical Engineering
Project (G6) (Total Hours=18)	18	Dr. Shariq Ahmad Bhat	Mechanical Engineering
Project (G7) (Total Hours=18)	18	Dr. Mushtaq Ahmad Rather	Mechanical Engineering
Project (G8) (Total Hours=18)	18	Dr. Arjumand Rasool	Mechanical Engineering
Project (G9) (Total Hours=18)	18	Dr. Kaleem Ahmad Najar	Mechanical Engineering

M.Tech (Design Engineering)			
1st Semester (Batch 2023)			
Mechanical Engineering Department			
Courses	Contact Hours	Concerned Teacher	Department
Finite Element Methods (Core-I)	5	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Computational Fluid Dynamics (Core-I)	5	Junaid Hassan Masoodi	Mechanical Engineering
Design Thinking	3	Faculty from Management Studies	Mechanical Engineering
Professional Elective A			
Continuum Mechanics	4	Deficit	Mechanical Engineering
Tribology in Design	5	Dr. Farooq Ahmad Najar	Mechanical Engineering
Professional Elective B			

Principles of Solar Thermal Engineeing	4	Deficit	Mechanical Engineering
Cryogenic Engineering	4	Dr. Mushtaq Ahmad Rather	Mechanical Engineering

M.Tech (Design Engineering)			
2nd Semester (Batch 2021)			
Mechanical Engineering Department			
Courses	Contact Hours	Concerned Teacher	Department
Introduction to Theory of Plates and Shells (Core-1)	5	Mr. Adil Mudasir Khan	Mechanical Engineering
Conduction and Radiation (Core-2)	5	Dr. Farooq Ahmad Najar	Mechanical Engineering
Project Management	3	Faculty from Management Studies	Mechanical Engineering
Professional Elective C			
Computer Aided Engineering Design	5	Junaid Hassan Masoodi	Mechanical Engineering
Fracture Mechanics	3	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Open Elective			
Computational Methods in Engineering	5	Deficit	Mechanical Engineering
Cost Management of Engineering Projects	3	Deficit	Mechanical Engineering
Artificial Intelligence and Machine Learning	5	Faculty from Electronics and Communication Engineering Department	Mechanical Engineering

M.Tech (Design Engineering)			
3rd Semester (Batch 2021)			
Mechanical Engineering Department			
Courses	Contact Hours	Concerned Teacher	Department
Professional Elective D			
Mechanics of Composite Material	5	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Dynamics of Compressible Flow	5	Junaid Hassan Masoodi	Mechanical Engineering
Mechanical Vibration of Continuous Systems	5	Mr. Adil Mudasir Khan	Mechanical Engineering
Seminar	6	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Seminar	6	Junaid Hassan Masoodi	Mechanical Engineering
Seminar	6	Dr. Farooq Ahmad Najar	Mechanical Engineering
Seminar	6	Mr. Adil Mudasir Khan	Mechanical Engineering
Experimental methods/ Research Methodology	3		Mechanical Engineering
Dessertation Phase-I	16	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Dessertation Phase-I	16	Junaid Hassan Masoodi	Mechanical Engineering
Dessertation Phase-I	16	Dr. Farooq Ahmad Najar	Mechanical Engineering
Dessertation Phase-I	16	Mr. Adil Mudasir Khan	Mechanical Engineering

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Junaid Hassan Masoodi
Coordinator
Department of Mechanical Engineering