



**ACADEMIC AFFAIRS SECTION  
INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI  
Guwahati - 781039, Assam, India**

Annexure – I

**Updated on: 19-12-2024**

**List of Courses for Supplementary Examinations of Monsoon Semester - 2024**

Sl. No	Course Code	Course Name	L	T	P	C
1.	BT 201	Biochemical Process Calculations	2	1	0	6
2.	BT 203	Biochemistry	3	0	0	6
3.	BT 301	Biophysics	2	1	0	6
4.	BT 612	Systems Biology	3	0	0	6
5.	CE 101	Engineering Drawing	2	0	3	7
6.	CH 101	Chemistry	3	1	0	8
7.	CH 212	Inorganic Chemistry	3	0	0	6
8.	CH 426	Green Chemistry and Technology	3	0	0	6
9.	CH 431	Group Theory and Spectroscopy	3	1	0	8
10.	CL 643	Computer aided applied optimization	2	0	2	6
11.	CS 201	Discrete Mathematics	3	0	0	6
12.	CS 203	Algorithms and Data Structures	3	0	0	6
13.	CS 322M	Digital Logic and Computer Architecture	3	0	0	6
14.	CS 341	Computer Networks	3	0	0	6
15.	CS 343	Operating Systems	3	0	0	6
16.	CS 441M	Software Engineering	3	0	0	6
17.	CS 525	Formal Methods For System Verification	3	0	0	6
18.	CS 549	Computer and Network Security	3	0	0	6
19.	DA 211	Algorithms and Data Structure	3	0	0	6
20.	DA 231	Introduction to Data Science	2	0	2	6
21.	DA 241	Statistical Foundations for Data Science	3	0	0	6
22.	DA 242	Discrete Mathematics	3	0	0	6
23.	DA 321M	Machine Learning	3	0	0	6
24.	DA 341	Applied Time Series Analysis	3	0	0	6
25.	DA 421M	Multi-modal Data Processing and Learning	3	0	0	6
26.	DD 101	Introduction to Design	0	2	0	4
27.	DD 302	Design Analysis	2	0	2	6
28.	DD 401	Design Management	3	0	0	6
29.	EE 101	Basic Electronics	3	1	0	8
30.	EE 203	Semiconductor Devices	3	0	0	6



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31.	EE 204	Circuit Theory	3	1	0	8
32.	EE 205	Principles of Electrical Engineering	3	1	0	8
33.	EE 210	Digital circuits	3	0	0	6
34.	EE 220	Signals and Systems	3	1	0	8
35.	EE 321	Digital Signal Processing	3	0	0	6
36.	EE 331	Principles of Communication	3	1	0	8
37.	EE 340	Electromagnetic Theory	3	0	0	6
38.	EE 627	Biometrics	3	0	0	6
39.	EE 646	Optical Measurement Techniques and Applications	3	0	0	6
40.	HS 119	Sociology of Science	3	0	0	6
41.	HS 133	Introduction to Phonetics	3	0	0	6
42.	HS 214	Industrial Organization	3	0	0	6
43.	HS 239	Economics of Uncertainty and Information	3	0	0	6
44.	HS 501	Essentials of Political Theory	3	1	0	8
45.	HS 519	Economic History of Colonial India	3	1	0	8
46.	HS 522	Quantitative Research Methods in Social Sciences	3	1	0	8
47.	MA 101	Mathematics - I	3	1	0	8
48.	MA 201	Mathematics III	3	1	0	8
49.	MA 211M	Real Analysis	3	0	0	6
50.	MA 222	Elementary Number Theory and Algebra	3	0	0	6
51.	MA 225	Probability Theory and Random Processes	3	1	0	8
52.	MA 251	Data Structures	2	0	2	6
53.	MA 321	Optimization	3	0	0	6
54.	MA 323	Monte Carlo Simulation	0	1	2	4
55.	MA 372	Stochastic Calculus for Finance	3	0	0	6
56.	MA 411M	Differential Geometry	3	0	0	6
57.	MA 423	Matrix Computations	3	0	2	8
58.	MA 501	Discrete Mathematics	3	1	0	8
59.	MA 511	Computer Programming	3	0	2	8
60.	MA 518	Database Management Systems	2	0	2	6
61.	MA 541	Real Analysis	3	1	0	8
62.	MA 550	Measure Theory	3	1	0	8
63.	MA 567	Partial Differential Equations	3	1	0	8
64.	MA 572	Numerical Analysis	3	0	2	8
65.	ME 211	Thermodynamics	2	1	0	6



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66.	ME 214	Fluid Mechanics - I	2	1	0	6
67.	ME 311	Heat Transfer	3	0	0	6
68.	ME 313	Dynamics of Machinery	2	1	0	6
69.	ME 510	Subtractive Manufacturing	3	0	0	6
70.	ME 512	Welding and Additive Manufacturing	3	0	0	6
71.	ME 531	Mechanical Vibrations	3	0	0	6
72.	PH 101	Physics - I	2	1	0	6
73.	PH 201	Mathematical Physics	3	1	0	8
74.	PH 203	Classical Mechanics	2	1	0	6
75.	PH 205	Semiconductor Devices	3	0	0	6
76.	PH 207	Heat and Thermodynamics	3	0	0	6
77.	PH 209	Analog Electronics	2	1	0	6
78.	PH 301	Statistical Mechanics	3	1	0	8
79.	PH 303	Quantum Mechanics II	2	1	0	6
80.	PH 305	Engineering Optics	3	0	0	6
81.	PH 401	Math Phy-I	2	1	0	6
82.	PH 403	Classical Mechanics	3	1	0	8
83.	PH 405	Quantum Mechanics-I	3	1	0	8
84.	PH 407	Computer programming and numerical methods	3	0	2	8
85.	PH 409	Electronics	3	1	0	8
86.	PH 419	Materials Science and Engineering	3	0	0	6
87.	PH 445	Optical Communication Systems	3	0	0	6
88.	MA 102	Mathematics - II	3	1	0	8
89.	CS 101	Introduction to computing	3	0	0	6