

List of courses offered in 2021-22-M Semester								
Sr. No.	Course Code	Course Name	Credits	Segment	Class Room/ WebEx (Lecture)	Class Room/WebEx (Tutorial)	Instructor Incharge	Tutors
1	CA100	Professional Communication Lab I – Sketching and Drawing	1	12	TBA		Dr. Kaushik Bandyopadhyay	
2	CA200	Professional Communication Lab III – Technical Literature Structure	1	56	TBA	TBA (If Required)	Dr. Ganapathy D	TBD
3	CS100	Software Tools and Technologies-I	4	14	TBA		Dr. Dhiman Saha	
4	CS102	Data Structure	4	36	TBA		Dr. Soumajit Pramanik	
5	CS201	Discrete Structures II	2	56	TBA		Dr. Souradyuti Paul	
6	CS202	Algorithms I	4	14	TBA		Dr. I. Vinod Kumar Reddy	
7	CS203	Theory of Computation I	4	14	TBA		Dr. Barun Gorain	
8	CS204	Computer Organization & Architecture	4	14	TBA		Dr. S K Subidh Ali	
9	CS253	Theory of Computation II	2	56	TBA		Dr. Rishi Ranjan Singh	
10	CS300	Principles of Programming Languages	6	16	TBA		Dr. Vishwesh Jatala	
11	CS301	Computer Networks	6	16	TBA		Dr. Anand M. Baswade	
12	CS499	Thesis (BTech)	6 to 24	16	TBA		Convener DUGC	
13	CS500	Science of Computation	3	13	TBA		Dr. Souradyuti Paul	
14	CS501	Computer Systems	3	46	TBA		Dr. S K Subidh Ali	
15	CS502	Graph Theory and Applications	6	16	TBA		Dr. I. Vinod Kumar Reddy	
16	CS550	Machine Learning	6	16	TBA		Dr. S K Subidh Ali	
17	CS599	Thesis (MTech)	6 to 24	16	TBA		Convener DPGC	
18	CS795	PhD Candidacy	0		TBA		Convener DPGC	
19	CS799	Thesis (PhD)	6 to 24	16	TBA		Convener DPGC	
20	CSXXX	Parallelization of Programs	6	16	TBA		Dr. Vishwesh Jatala	
21	CSXXX	Quantum Cryptanalysis	6	16	TBA		Dr. Dhiman Saha	
22	CSXXX	Social and Complex Network Analysis	6	16	TBA		Dr. Rishi Ranjan Singh	
23	CY501	Quantum Chemistry	6	16	TBA		Dr. Rukmankesh	
24	CY502	Chemical Kinetics and Surface Science	4	36	TBA		Dr. Satyajit Gupta	
25	CY503	Coordination Chemistry	6	16	TBA		Dr. Raghavender Medishetty	
26	CY504	Chemistry of Main Group Elements	6	16	TBA		Dr. Arup Mukherjee	
27	CY505	Organic Reactions and Reagents	6	16	TBA		Dr. Sanjib (2 credits-12 segment) +Dr. Ganapathy (4credits-36 segment)	
28	CY506	Inorganic Chemistry Practical	2	14	TBA		Dr. Arup Mukherjee, Dr. Raghavender Medishetty	
29	CY515	Computations in Chemistry	2	56	TBA		Dr. Rukmankesh	
30	CY603	Organometallic Chemistry: Principles and Applications	6	16	TBA		Dr. Arup Mukherjee	
31	CY605	Advanced Organic Chemistry	6	16	TBA		Dr. Ganapathy D	
32	CY607	Interpretative Molecular Spectroscopy	6	16	TBA		Dr. Suchetan Pal	
33	CY614	Biomaterials Science and Engineering	2	12	TBA		Dr. Suchetan Pal	
34	CY699	Project	6 to 24	16	TBA		Convener DPGC	
35	CY795	PhD Candidacy	0		TBA		Convener DPGC	
36	CY798	Biomaterials Chemistry	6	16	TBA		Dr. Suchetan Pal	
37	CY798	Macromolecules: Design, Synthesis and Applications	6	16	TBA		Dr. Sanjib Banerjee	
38	CY798	ORGANOMETALLIC CATALYSIS : SYNTHETIC STRATEGY AND APPLICATION	6	16	TBA		Dr. Arup Mukherjee	
39	CY798	Molecular Modeling and Drug Design	6	16	TBA		Dr. Rukmankesh	
40	CY798	Semiconductors for Photocatalysis	6	16	TBA		Dr. Satyajit Gupta	
41	CY798	Asymmetric Photoredox Catalysis	6	16	TBA		Dr. Ganapathy D	
42	CY799	Thesis (PhD)	6 to 24	16	TBA		Convener DPGC	
43	DS100	Mathematical Foundations for Data Science	4	14	TBA		Dr. Subhajit Sidhanta	
44	DS201	Statistical Programming	4	36	TBA		Dr. Soumajit Pramanik	
45	DS250	Data Analytics and Visualization	6	16	TBA		Dr. Gagan Raj Gupta	
46	DSXXX	Advanced Data Analytics	6	16	TBA		Dr. Gagan Raj Gupta	
47	EE101	Digital Signal Processing	4	36	TBA		Dr. Sreejith T. V	
48	EE171	EE Independent Project	2	14	TBA		Dr. Kapil Jainwal, Dr. Avishek Adhikary	
49	EE201	Electronic Devices	4	14	TBA		Dr. Kapil Jainwal	
50	EE202	Control Systems - I	6	16	TBA		Dr. Avishek Adhikary	
51	EE203	Embedded Systems	4	36	TBA		Prof.Santosh Biswas	
52	EE207	Engineering Electromagnetics	4	14	TBA		Dr. Nikhil Chander	

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53	EE301	Communication Systems	4	14	TBA		Dr. Arzad Alam Kherani	
54	EE351	Electrical Engineering Lab – II	2	36	TBA		Dr. Prashant Agnihotri	
55	EE499	Thesis (BTech)	6 to 24	16	TBA		Convener DUGC	
56	EE504	Design of Analog and Mixed Signal Circuits	6	16	TBA		Dr. Avishek Adhikary	
57	EE509	Power electronics	6	16	TBA		Dr. Prashant Agnihotri	
58	EE543	Fundamentals of MLOPs	2	34	TBA		Dr. Arzad Alam Kherani, Dr. Subhajit Sidhanta	
59	EE599	Thesis (MTech)	6 to 24	16	TBA		Convener DPGC	
60	EE601	Solar Photovoltaic Devices and Systems	6	16	TBA		Dr. Nikhil Chander	
61	EE606	5G NR SYSTEMS: PHYSICAL LAYER ASPECTS	6	16	TBA		Dr. Sreejith T. V	
62	EE625	Digital IC design	6	16	TBA		Dr. Kapil Jainwal	
63	EE777	Mobile Communications Systems	6	16	TBA		Dr. Arzad Alam Kherani +??	
64	EE795	PhD Candidacy	0		TBA		Convener DPGC	
65	EE799	Thesis (PhD)	6 to 24	16	TBA		Convener DPGC	
66	IC100	Introduction to Programming	6	16	TBA		Dr. Anand M. Baswade, Prof.Santosh Biswas, Dr. Souradyuti Paul, Dr. Vishwesh Jatala	
67	IC101	Digital Fabrication	6	16	TBA		Dr. Jose Immanuel R.	
68	IC102	Electromagnetism	2	34	TBA	TBA (If Required)	Dr. Dhriti S Ghosh	Tanmay Das, Srikanta Debata, Utkarsh Patel, Jayata Dey, Purushottam, Cho Win Aung, Sonia Rani, Suvendu Panda
69	IC103	Materials Chemistry I	2	56	TBA		Dr. Sanjib Banerjee	
70	IC104	Linear Algebra I	3	13	TBA	TBA (If Required)	Dr. Raj Kumar Mistri	Dr. Arnab Patra**, Dr. Avijit Pal, Shivani Valecha, Vinayak Mani Tripathi
71	IC105	Probability and Statistics	4	36	TBA	TBA (If Required)	Dr. Kuldeep Kumar Kataria	Dr. Kuldeep Kumar Kataria, Mostafizar Khandakar, Pallab Maiti, Subhanakr Mandal
72	IC106	Chemistry Lab	3	16	TBA	TBA (If Required)	Dr. Dr. Suchetan Pal, Dr. Sanjib Banerjee, Dr. Satyajit Gupta	TBD
73	IC107	Physics Laboratory	3	16	TBA	TBA (If Required)	Dr. Dhruv Pratap Singh	Tanmay Das, Srikanta Debata, Utkarsh Patel, Jayata Dey, Purushottam, Cho Win Aung, Sonia Rani, Suvendu Panda
74	IC200	Introduction to Astronomy and Astrophysics	4	14	TBA	TBA (If Required)	Dr. Mahavir Sharma	Tanmay Das, Srikanta Debata, Utkarsh Patel, Jayata Dey, Purushottam, Cho Win Aung, Sonia Rani, Suvendu Panda
75	IC300	Materials Chemistry III	2	12	TBA	TBA (If Required)	Dr. Satyajit Gupta	TBD
76	IC601	Research Methodology	6	16	TBA		Dr. Sanjib Banerjee	
77	LA303	Chinese Language Beginner's 1	1	11	TBA		Ms. Hao Yu LU	
78	LA304	Introduction to Effective Communication	4	14	TBA		Dr. Anubhav Pradhan	
79	LA311	Chinese Language Beginner's 3	2	34	TBA		Ms. Hao Yu LU	
80	LA312	Chinese Language Beginner's 4	2	56	TBA		Ms. Hao Yu LU	
81	LA315	Chinese Language Beginner's 2	1	22	TBA		Ms. Hao Yu LU	
82	LA322	Microeconomics	2	12	TBA		Dr. Radeef Chundakkadan	

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83	LA323	Introduction to Popular Culture	2	12	TBA		Dr. Sonal Jha	
84	LA325	Concepts of Personality Psychology	2	34	TBA		Dr. Anindita Ghosh	
85	LA332	Chinese Culture	1	33	TBA		Ms. Hao Yu LU	
86	LA333	Chinese Calligraphy	1	55	TBA		Ms. Hao Yu LU	
87	LA337	Entrepreneurship and Startups	4	36	TBA		Dr. Sitakanta Panda	
88	LA339	Financial Economics	2	24	TBA		Dr. Radeef Chundakkadan	
89	LA345	Introduction to Classical Theatre	2	56	TBA		Thirthankar C	
90	LA347	Introduction to Organizational Behaviour	2	12	TBA		Dr. Anindita Ghosh	
91	LA349	Contemporary Indian Cinema: Beyond Bollywood	2	34	TBA		Dr. Sonal Jha	
92	LA351	Elements of World Literature	2	24	TBA		Thirthankar C	
93	LA360	Self and Society in Modern India	2	56	TBA		Dr. Anubhav Pradhan	
94	LA703	Positive Organizational Behaviour	6	16	TBA		Dr. Anindita Ghosh	
95	LA704	Literary Theory	6	16	TBA		Dr. Thirthankar Chakraborty	
96	LA705	Cultural Studies: Theory and Practice	6	16	TBA		Dr. Sonal Jha	
97	LA706	Development Economics	6	16	TBA		Dr. Sitakanta Panda	
98	LA707	Macroeconomics Theory	6	16	TBA		Dr. Radeef Chundakkadan	
99	LA708	Examining Urban Writing: Situated Perspectives	6	16	TBA		Dr. Anubhav Pradhan	
100	LA709	Travellers' Imaginations of Victorian India	6	16	TBA		Dr. Anubhav Pradhan	
101	LA795	PhD Candidacy	0		TBA		Convener DPGC	
102	LA799	PhD Thesis	6 to 24	16	TBA		Convener DPGC	
103	MA500	Real Analysis	6	16	TBA		Dr. Avijit Pal	
104	MA501	Linear Algebra	6	16	TBA		Dr. Arnab Patra**	
105	MA502	Modern Algebra	4	14	TBA		Dr. Anuj Jakhar	
106	MA503	Introduction to Probability Theory	4	14	TBA		Dr. Lakshmi Kanta Patra	
107	MA504	Differential Equations	4	36	TBA		Dr. Pawan Kumar Mishra	
108	MA509	Statistical Inference	6	16	TBA		Dr. Kuldeep Kumar Kataria	
109	MA510	Elementary Number Theory	6	16	TBA		Dr. Raj Kumar Mistri	
110	MA513	Introduction to Linear Regression and Experimental Design	6	16	TBA		Dr. Lakshmi Kanta Patra	
111	MA604	Functional Analysis	6	16	TBA		Prof. P. D. Srivastava	
112	MA605	Operations Research	4	14	TBA		Dr. Asrifa Sultana	
113	MA606	Partial Differential Equation	6	16	TBA		Dr. Pawan Kumar Mishra	
114	MA609	Numerical Optimization Techniques	2	56	TBA		Dr. Asrifa Sultana	
115	MA616	Algebraic Number Theory	6	16	TBA		Dr. Anuj Jakhar	
116	MA699	Project	6 to 24	16	TBA		Convener DPGC	
117	MA795	PhD Candidacy	0		TBA		Convener DPGC	
118	MA799	Thesis	6 to 24	16	TBA		Convener DPGC	
119	ME***	CFD Lab	4		TBA		Dr. Udayraj	It will be conducted in Computer Lab
120	ME101	Engineering and Machine Drawing	6	16	TBA		Dr. Kaushik Bandyopadhyay	
121	ME212	Fluid Mechanics	6	16	TBA		Dr. Udayraj	
122	ME231	Solid Mechanics – I	6	16	TBA		Dr. Anshul Faye	
123	ME251	Manufacturing Science – I	6	16	TBA		Dr. Rahul Jain	
124	ME333	Theory of Machines and Mechanisms	6	16	TBA		Dr. Purnendu Das	
125	ME371	Mechanical Engineering Lab I	3	16	TBA		Dr. Anshul Faye / Dr. Vijay Shantaram Duryodhan	
126	ME372	Mechanical Engineering Lab II	3	16	TBA		Dr. Udayraj/ Dr. Rahul Jain/ Dr. Pravesh C Shukla	
127	ME415	Introduction to Turbomachines	6	16	TBA		Dr. Balkrishna Mehta	
128	ME499	Thesis (BTech)	6 to 24	16	TBA		Convener DUGC	
129	ME512	Advanced Fluid Mechanics	6	16	TBA		Dr. Vijay Shantaram Duryodhan	
130	ME514	IC Engine	6	16	TBA		Dr. Pravesh C Shukla	
131	ME531	Advanced Solid Mechanics	6	16	TBA		Dr. Anshul Faye	
132	ME551	Advanced Manufacturing Processes	6	16	TBA		Dr. Soumya Gangopadhyay	
133	ME553	Advanced Materials and Processing	4	14	TBA		Dr. Jose Immanuel R.	
134	ME556	Fluid Power Systems	4	36	TBA		Dr. Jose Immanuel R.	
135	ME557	Laser materials processing	6	16	TBA		Dr. Kaushik Bandyopadhyay	

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136	ME599	Thesis (MTech)	6 to 24	16	TBA		Convener DPGC	
137	ME601	Applied Numerical Methods	6	16	TBA		Dr. Vijay Shantaram Duryodhan	
138	ME615	Computational Fluid Dynamics	6	16	TBA		Dr. Nagesh Devidas Patil	
139	ME795	PhD Candidacy	0		TBA		Convener DPGC	
140	ME799	Thesis (PhD)	6 to 24	16	TBA		Convener DPGC	
141	PH2XX	Unfurling Neutrino story (to be approved)			TBA			
142	PH501	Classical Mechanics	6	16	TBA		Dr. Dhruv Pratap Singh/Dr. Sabyasachi Ghosh/Dr. Mahavir Sharma	
143	PH502	Quantum Mechanics-I	6	16	TBA		Dr. Sabyasachi Ghosh	
144	PH503	Mathematical Physics			TBA		Dr. Sudhanwa Patra	
145	PH504	Computational Physics	6	16	TBA		Dr. Sudhanwa Patra	
146	PH505	Electronics Laboratory	6	16	TBA	TBA (If Required)	Dr. Dhriti S Ghosh	Tanmay Das, Srikanta Debata, Utkarsh Patel, Jayata Dey, Purushottam, Cho Win Aung, Sonia Rani, Suvendu Panda
147	PH510	Experimental lab	6	16	TBA	TBA (If Required)	Dr. Sesha Vempati	Tanmay Das, Srikanta Debata, Utkarsh Patel, Jayata Dey, Purushottam, Cho Win Aung, Sonia Rani, Suvendu Panda
148	PH511	Atomic and Molecular Physics	6	16	TBA		Dr. Mahavir Sharma	
149	PH514	Electronics	6	16	TBA		Dr. Dhruv Pratap Singh	
150	PH699	Project	6 to 24	16	TBA		Convener DPGC	
151	PH795	PhD Candidacy	0		TBA		Convener DPGC	
152	PH799	Thesis (PhD)	6 to 24	16	TBA		Convener DPGC	