

NPTEL- Online Video Course List

S.No	Course_ID	Discipline/Course_Name	Professor_Name	Institute
Aerospace Engineering				
1	101104014	Fundamentals of Combustion	Dr. D.P. Mishra	IIT Kanpur
2	101106041	Flight dynamics I - Airplane performance	Prof. E.G. Tulapurkara	IIT Madras
3	101106043	Flight dynamics II - Airplane stability and control	Prof. E.G. Tulapurkara	IIT Madras
4	101108054	Guidance of Missiles	Prof. Debasish Ghose	IISc Bangalore
5	101108056	Navigation, Guidance, And Control	Prof. Debasish Ghose	IISc Bangalore
6	101103003	Hypersonic Aerodynamics	Dr. N. Sahoo,Dr. Vinayak Kulkarni	IIT Guwahati
7	101105023	High Speed Aero Dynamics	Dr. K.P. Sinhamahapatra	IIT Kharagpur
8	101103004	Principles of Fluid Dynamics	Dr. Vinayak Kulkarni,Dr. N. Sahoo	IIT Guwahati
9	101104010	Composite Materials and Structures	Dr. P.M. Mohite	IIT Kanpur
10	101106035	Airplane design (Aerodynamic)	Prof. E.G. Tulapurkara	IIT Madras
11	101106046	Space Technology	Dr. Nandan Kumar Sinha, Dr. Amit Kumar	IIT Madras
12	101106040	Experimental Gas/Aerodynamics	Prof. Job Kurian	IIT Madras
13	101106038	Composite Materials	Prof. R. Velmurugan	IIT Madras
Atmospheric Science				
14	119102007	Physics of Atmosphere and Ocean	Dr. Om P Sharma	IIT Delhi
Basic courses(Sem 1 and 2)				
15	122103039	Basic Biology	Dr. Vishal Trivedi	IIT Guwahati
16	122101001	Engineering Chemistry I	Prof. K. Mangala Sunder,Prof. B.L. Tembe	IIT Bombay
17	122101002	Engineering Physics II	Prof. D.K. Ghosh	IIT Bombay
18	122101003	Mathematics I	Prof. Inder K Rana	IIT Bombay
19	122102006	Environment and Ecology	Prof. Anuradha Sharma,Prof. V.B. Upadhyay	IIT Delhi
20	122103010	Engineering Physics I (Experiment)	Prof. Alike Khare ,Prof. Pratima Agarwal,Prof. S. Ravi	IIT Guwahati

21	122103011	Engineering Physics I (Theory)	Prof. Alika Khare ,Prof. Pratima Agarwal,Prof. S. Ravi	IIT Guwahati
22	122103012	Mathematics III	Dr. M. Guru Prem Prasad,Prof. Durga C Dalal	IIT Guwahati
23	122104013	Basic Electronics	Prof. Yatindra N Singh,Prof. Joseph John	IIT Kanpur
24	122104014	Engineering Mechanics	Prof. Manoj K Harbola	IIT Kanpur
25	122104018	Mathematics II	Prof. P. Chandra,Prof. A.K. Lal,Prof. V. Raghavendra,Prof. G. Santhanam	IIT Kanpur
26	122104019	Numerical Analysis in Computer Programming	Prof. P.B. Sunil Kumar,Prof. V. Raghavendra,Prof. Rathish Kumar,Prof. M.K. Kadalbajoo	IIT Kanpur
27	122106026	Basic Electronics and Lab	Prof. T.S. Natarajan	IIT Madras
28	122106029	Engineering Chemistry III	Prof. S. Sankararaman,Prof. K.M. Muraleedharan,Prof. Santosh J Gharpure,Prof. N. Narasimha Murthy	IIT Madras
29	122106030	Environmental Chemistry and Analysis	Prof. M.S. Subramanian	IIT Madras
30	122106031	Management Science I	Prof. M. Thenmozhi	IIT Madras
31	122106032	Management Science II	Prof. R. Madhumathi	IIT Madras
Biotechnology				
32	102103016	Plant Biotechnology	Dr. Rakhi Chaturvedi	IIT Guwahati
33	102103017	Proteomics and Genomics	Dr. Vikash Kumar Dubey	IIT Guwahati
34	102103038	Cellular and Molecular Immunology	Dr. Sachin Kumar	IIT Guwahati
35	102103039	General Virology	Dr. Sachin Kumar	IIT Guwahati
36	102106023	Introduction to Computational Neuroscience	Dr. V Srinivasa Chakravarthy	IIT Madras
37	102103045	Fundamentals of Biotechnology	Dr. Vishal Trivedi	IIT Guwahati
38	102106035	Systems Biology	Dr. M. Vijayalakshmi	IIT Madras
39	102103041	Gene Therapy	Dr. Sachin Kumar	IIT Guwahati
40	102103044	Bioanalytical Techniques and Bioinformatics	Dr. Nitin Chaudhary,Dr. Vishal Trivedi	IIT Guwahati
41	102103012	Cell Biology	Dr. Sanjukta Patra	IIT Guwahati
42	102106036	Tissue Engineering	Dr. S. Swaminathan	SASTRA University
43	102101040	Advanced Clinical Proteomics	Prof. Sanjeeva Srivastava	IIT Bombay
44	102103013	Genetic Engineering & Applications	Dr. Utpal Bora	IIT Guwahati

45	102103047	Experimental Biotechnology	Dr. Vishal Trivedi, Dr. Nitin Chaudhary	IIT Guwahati
46	102103015	Microbiology	Dr. Gurvinder Kaur Saini	IIT Guwahati
47	102106025	Molecular Cell Biology	Prof. Devarajan Karunagaran	IIT Madras
Chemical Engineering				
48	103101004	Chemical Engineering Thermodynamics	Dr. Sandip Roy	IIT Bombay
49	103103027	Chemical Engineering Design - II	Dr. Animes Kr. Golder, Prof. Vaibhav V. Goud	IIT Guwahati
50	103103029	Chemical Technology - II	Dr. U. Ramagopal	IIT Guwahati
51	103103032	Heat Transfer	Dr. Anil Verma	IIT Guwahati
52	103103033	Interfacial Engineering	Dr. Pallab Ghosh	IIT Guwahati
53	103103035	Mass Transfer Operations I	Dr. Chandan Das, Dr. S.K. Majumder	IIT Guwahati
54	103103036	Molecular Simulations in Chemical Engineering	Dr. Ashok Kumar Dasmahapatra, Dr. Tamal Banerjee	IIT Guwahati
55	103104043	Fluid Mechanics	Prof. Nishith Verma	IIT Kanpur
56	103104045	Introduction to Colloid and Interface Science and Engineering	Prof. A. Sharma	IIT Kanpur
57	103104047	Mechanics of Soft Materials	Dr. A. Ghatak	IIT Kanpur
58	103105060	Novel Separation Processes	Prof. S. De	IIT Kharagpur
59	103106068	Advanced Transport Phenomena	Dr. R. Nagarajan	IIT Madras
60	103103037	Process Control and Instrumentation	Dr. P.K. Saha	IIT Guwahati
61	103105058	Multiphase Flow	Prof. Gargi Das, Prof. P.K. Das	IIT Kharagpur
62	103106108	Heavy and Fine Chemicals (Chemical Process Technology)	Dr. Nirmal K. Patel	IIT Madras
63	103102022	Petroleum Refinery Engineering	Dr. K.K. Pant, Prof. Deepak Kunzru	IIT Delhi
64	103104049	Plantwide Control of Chemical Processes	Dr. Nitin Kaistha	IIT Kanpur
65	103107082	Chemical Technology - I	Prof. Indra D. Mall	IIT Roorkee
66	103107084	Environmental Engineering	Dr. V.C. Srivastava	IIT Roorkee
67	103107094	Process Integration	Prof. B. Mohanty	IIT Roorkee
68	103101009	Advanced Numerical Analysis	Prof. Sachin C. Patwardhan	IIT Bombay
69	103107096	Process Modelling and Simulation	Prof. V.K. Agarwal	IIT Roorkee
70	103107088	Food Engineering	Dr. Shishir Sinha	IIT Roorkee
71	103105065	Instability & Patterning of Thin Polymer Films	Dr. R. Mukherjee	IIT Kharagpur

72	103105110	Fuel and Combustion Technology	Prof. Sonali Sengupta, Prof. Jayanta Kumar Basu	IIT Kharagpur
73	103103026	Catalyst Science and Technology	Dr. Mahuya De	IIT Guwahati
74	103102015	Fuel Cell Technology	Dr. Anil Verma, Prof. S. Basu	IIT Guwahati, IIT Delhi
75	103106109	Chemical process industries	Dr. Nirmal K. Patel	IIT Madras
76	103102024	Transport Phenomena	Prof. S.K. Gupta	IIT Delhi
77	103106078	System (Process) Identification	Dr. Arun K. Tangirala	IIT Madras
78	103106075	Introduction to Microelectronic Fabrication Processes	Dr. S. Ramanathan	IIT Madras
79	103107086	Fertilizer Engineering	Dr. Amit Dhiman	IIT Roorkee
80	103106101	Nuclear Reactor Technology	Dr. K.S. Rajan	SASTRA University
81	103105052	Advanced Heat and Mass Transfer	Dr. Saikat Chakraborty	IIT Kharagpur

Chemistry and Biochemistry

82	104103019	Chemistry of Materials	Dr. M. Qureshi	IIT Guwahati
83	104102016	Structure and Functions of Biomolecules	Dr. S.K. Khare	IIT Delhi
84	104103018	Bio-organic chemistry	Dr. S.S. Bag	IIT Guwahati
85	104103022	Principles of Organic Synthesis	Prof. T. Punniyamurthy	IIT Guwahati
86	104103023	Reagents and Organic reactions	Prof. T. Punniyamurthy	IIT Guwahati
87	104103067	Catalytic Asymmetric Synthesis	Prof. T. Punniyamurthy	IIT Guwahati
88	104103069	Introductory Inorganic Chemistry	Dr. Chandan Mukherjee	IIT Guwahati
89	104105032	Biocatalysis in organic synthesis	Prof. Samik Nanda	IIT Kharagpur
90	104106064	Selected Topics in Co-ordination Chemistry	Dr. Vasishta D. Bhatt	IIT Madras
91	104103068	Bio-Organic Chemistry of Natural Eneidyne Anticancer Antibiotics	Dr. S.S. Bag	IIT Guwahati
92	104101006	Introduction to Organometallic Chemistry	Prof. M. S. Balakrishna, Prof. Prasenjit Ghosh	IIT Bombay
93	104103071	Basic Organic Chemistry	Prof. T. Punniyamurthy	IIT Guwahati
94	104105071	Organic Chemistry and Pericyclic Reactions	Dr. N.D. Pradeep Singh	IIT Kharagpur
95	104103020	Environmental chemistry	Dr. Chivukula Vasudeva Sastri	IIT Guwahati
96	104101005	Organic Reaction Mechanism	Dr. R.B. Sunoj	IIT Bombay

Civil Engineering

97	105108125	Computational Hydraulics	Prof. M.S. Mohan Kumar	IISC Bangalore
98	105108127	Optimization Methods	Dr. D. Nagesh Kumar	IISC Bangalore
99	105101083	Foundation Engineering	Dr. Deepankar Choudhury	IIT Bombay
100	105101087	Transportation Engineering I	Dr. Tom V Mathew	IIT Bombay
101	105102089	Environmental Air Pollution	Prof. Mukesh Khare	IIT Delhi
102	105102090	Mechanics of Solids	Prof. Y. Nath	IIT Delhi
103	105103093	Construction Planning and Management	Prof. Arbind Kumar Singh	IIT Guwahati
104	105103095	Fluid Mechanics	Dr. Subhashisa Dutta,Dr. N. Sahoo	IIT Guwahati
105	105104098	Advanced Transportation Engineering	Prof. Partha Chakraborty,Prof. A. Das	IIT Kanpur
106	105104100	Modern Surveying Techniques	Dr. Onkar Dikshit	IIT Kanpur
107	105104102	Water and Waste Water Engineering	Dr. P. Bose	IIT Kanpur
108	105105104	Design of Concrete Structures	Prof. J.N. Bandopadhyay	IIT Kharagpur
109	105105109	Structural Analysis II	Prof. L.S. Ramachandra,Prof. Sudhir Kumar Barai	IIT Kharagpur
110	105105110	Water Resources Engineering	Dr. Dhruvajyoti Sen	IIT Kharagpur
111	105106112	Design of Steel Structures I	Prof. A.R. Shantha Kumar,Prof. S.R. Satishkumar	IIT Madras
112	105106113	Design of Steel Structures II	Prof. A.R. Shantha Kumar,Prof. S.R. Satishkumar	IIT Madras
113	105106114	Hydraulics	Dr. B.S. Thandaveswara,Prof. B.S. Murty	IIT Madras
114	105106115	Infrastructure Planning and Management	Prof. A. Veeraragavan,Dr. Ashwin Mahalingam	IIT Madras
115	105106117	Pre-stressed Concrete Structures	Prof. Devdas Menon,Dr. Amlan Kumar Sengupta	IIT Madras
116	105107122	Surveying	Prof. J.K. Ghosh	IIT Roorkee
117	105108128	Reliability Engineering	Dr. G.L. Sivakumar Babu	IISC Bangalore
118	105101085	Structural Analysis I	Dr. R.S. Jangid,Dr. Siddhartha Ghos	IIT Bombay
119	105103097	Soil Mechanics	Prof. Baleshwar Singh	IIT Guwahati
120	105108124	Composite Materials	Dr. P.C. Pandey	IISC Bangalore
121	105101002	Advanced Hydrology	Dr. Subhankar Karmakar	IIT Bombay
122	105101004	Introduction to Earthquake Engineering	Dr. R.S. Jangid	IIT Bombay

123	105103025	Geo-environmental Engineering	Dr. S. Sreedeeep	IIT Guwahati
124	105103027	Probability Methods in Civil Engineering	Dr. C. Mallikarjuna	IIT Guwahati
125	105104034	Ground Improvement Techniques	Dr. Nihar Ranjan Patra	IIT Kanpur
126	105104132	Advance Geotechnological Engineering	Dr. Nihar Ranjan Patra	IIT Kanpur
127	105107129	Hydrological Measurements and Analysis of Data	Sharad Kumar Jain	IIT Roorkee
128	105108070	Applied Elasticity for Engineers	Dr. T.G. Sitharam,Dr. L. Govindaraju	IISc Bangalore
129	105108073	Geo-informatics in Transportation Engineering	Dr. Ashish Verma	IISc Bangalore
130	105108074	Geotechnical Earthquake Engineering	Dr. Gali Madhavi Latha	IISc Bangalore
131	105108076	Introduction to Engineering Seismology	Dr. P. Anbazhagan	IISc Bangalore
132	105108081	Water Resources Systems Planning and Management	Dr. D. Nagesh Kumar	IISc Bangalore
133	105104137	Foundation Analysis and Design	Dr. Nihar Ranjan Patra	IIT Kanpur
134	105107066	Soil Dynamics	Dr. S. Mittal	IIT Roorkee
135	105107067	Urban transportation planning	Dr. M. Parida	IIT Roorkee
136	105107059	Advanced Hydraulics	Dr. C.S.P. Ojha	IIT Roorkee
137	105103140	Structural Reliability	Dr. Arunasis Chakraborty	IIT Guwahati
138	105101008	Traffic Engineering & Management	Dr. Tom V Mathew	IIT Bombay
139	105103023	Construction Economics & Finance	Dr. Bulu Pradhan	IIT Guwahati
140	105105048	Wastewater management	Dr. M.M. Ghangrekar	IIT Kharagpur
141	105103026	Ground Water Hydrology	Dr. Rajib K. Bhattacharjya	IIT Guwahati
142	105108077	Remote Sensing	Dr. D. Nagesh Kumar	IISc Bangalore
143	105104136	Geotechnical Earthquake Engineering	Dr. Nihar Ranjan Patra	IIT Kanpur
144	105108072	Continuum Damage Mechanics	Dr. P.C. Pandey	IISc Bangalore
145	105103133	Financing Infrastructure Projects	Dr. Laishram Boeing Singh	IIT Guwahati
146	105106049	Advanced Solid Mechanics	Dr. U. Saravanan	IIT Madras
147	105102015	G.I.S in Civil Engineering	Dr. A.K. Gosain	IIT Delhi
148	105105041	Finite Element Analysis	Dr. D. Maity, Prof. S.K. Bhattacharyya	IIT Kharagpur
149	105105138	Probability Methods in Civil Engineering	Dr. Rajib Maity	IIT Kharagpur
150	105106142	Concepts in Geotechnical and Foundation Engineering	Dr. Nainan P. Kurian	IIT Madras
151	105106144	Advanced Techniques in Geotechnical and Foundation Engineering	Dr. Nainan P. Kurian	IIT Madras

152	105107062	Global Positioning System	Dr. R.D. Garg	IIT Roorkee
153	105108069	Advanced Foundation Engineering	Dr. T.G. Sitharam	IISc Bangalore
154	105106056	Solid & Hazardous Waste Management	Dr. Indumathi Nambi	IIT Madras
155	105108078	Site Characterisation & Instrumentation	Dr. P. Anbazhagan	IISc Bangalore
Computer Science and Engineering				
156	106103015	Computational Number Theory & Cryptography	Dr. Pinaki Mitra	IIT Guwahati
157	106103016	VLSI Design Verification and Test	Prof. Jatindra Kumar Deka, Dr. Santosh Biswas	IIT Guwahati
158	106104021	Indexing and Searching Techniques in Databases	Dr. Arnab Bhattacharya	IIT Kanpur
159	106104024	Parallel Computer Architecture	Dr. Mainak Chaudhuri	IIT Kanpur
160	106104025	Program Optimization for Multi-core Architectures	Prof. Sanjeev K Aggarwal, Dr. Mainak Chaudhuri, Prof. Rajat Moona	IIT Kanpur
161	106105032	Digital Image Processing	Dr. G. Harit	IIT Kharagpur
162	106108057	Pattern Recognition	Prof. M. Narasimha Murty, Prof. V. Susheela Devi	IISc Bangalore
163	106103115	Human-Computer Interaction	Dr. Samit Bhattacharya, Pradeep P Yammiyavar	IIT Guwahati
164	106106112	Parallel Algorithms	Dr. N. Sairam, Prof. R. Seethalakshmi	SASTRA University
165	106108098	Data Communications	Prof. H.S. Jamadagni	IISc Bangalore
166	106108099	Digital Systems	Prof. N.J. Rao	IISc Bangalore
167	106108100	Microprocessors and Microcontrollers	Prof. Krishna Kumar	IISc Bangalore
168	106108101	Operating Systems	Prof. P.C.P. Bhatt	IISc Bangalore
169	106108103	System Analysis and Design	Prof. V. Rajaraman	IISc Bangalore
170	106101059	Design and Analysis of Algorithms	Prof. Abhiram G Ranade, Prof. Ajit A Diwan, Prof. Sundar Viswanathan	IIT Bombay
171	106102063	Computer Graphics	Prof. Prem K Kalra	IIT Delhi
172	106102066	Introduction to Problem Solving and Programming	Prof. S. Arun Kumar	IIT Delhi
173	106103068	Computer Organization and Architecture	Prof. Jatindra Kumar Deka	IIT Guwahati

174	106103069	Data Structures and Program Methodology	Dr. S.V. Rao,Dr. Pradip K Das	IIT Guwahati
175	106104072	Compiler Design	Prof. Sanjeev K Aggarwal	IIT Kanpur
176	106104073	Computer Organisation and Architecture	Prof. Bhaskaran Raman	IIT Kanpur
177	106105078	Artificial Intelligence	Prof. S. Sarkar,Prof. P. Mitra	IIT Kharagpur
178	106105080	Computer Networks	Prof. Ajit Pal	IIT Kharagpur
179	106105086	Real Time Systems	Prof. Rajib Mall	IIT Kharagpur
180	106105087	Software Engineering	Prof. Rajib Mall	IIT Kharagpur
181	106106088	CAD for VLSI Design I	Prof. V. Kamakoti,Prof. Shankar Balachandran	IIT Madras
182	106106089	CAD for VLSI Design II	Prof. V. Kamakoti,Prof. Shankar Balachandran	IIT Madras
183	106106091	Computer Networks	Prof. Hema A Murthy	IIT Madras
184	106106095	Introduction to Database Systems and Design	Prof. P.Sreenivasa Kumar	IIT Madras
185	106106097	Principles of Communication	Prof. Hema A Murthy	IIT Madras
186	106103070	Theory of Automata and Formal Languages	Dr. Diganta Goswami	IIT Guwahati
187	106106107	Distributed Computing Systems	Prof. Ananthanarayana V.S	NITK

Electrical Engineering

188	108108078	Non-Conventional Energy Systems	Prof. L. Umanand	IISC Bangalore
189	108108079	Numerical Analysis	Prof. Vittal Rao	IISC Bangalore
190	108101039	Power System Protection	Prof. S.A. Soman	IIT Bombay
191	108102044	Control Engineering	Prof. M. Gopal	IIT Delhi
192	108102046	Industrial Drives	Dr.K .R. Rajagopal	IIT Delhi
193	108104048	High Voltage Engineering	Prof. Ravindra Arora	IIT Kanpur
194	108104051	Power Systems Analysis	Prof. Arindam Ghosh	IIT Kanpur
195	108105053	Basic Electrical Technology	Prof. N.K. De,Prof. T.K. Bhattacharya,Prof. G.D. Roy	IIT Kharagpur
196	108105057	Embedded Systems	Prof. Rajib Mall,Prof. Amit Patra,Prof. A. Routray	IIT Kharagpur
197	108105061	Illumination Engineering	Prof. N.K. Kishore	IIT Kharagpur
198	108105063	Industrial Automation and Control	Prof. S. Mukhopadhyay,Prof. S. Sen	IIT Kharagpur
199	108105066	Power Electronics	Dr. D.Kastha,Prof. D.Prasad,Prof. N.K. De,Prof. Sabyasachi Sengupta	IIT Kharagpur

200	108106071	Electrical Machines I	Dr. Krishna Vasudevan, Prof. G. Sridhara Rao, Prof. P. Sasidhara Rao	IIT Madras
201	108106072	Electrical Machines II	Dr. Krishna Vasudevan, Prof. G. Sridhara Rao, Prof. P. Sasidhara Rao	IIT Madras
202	108106074	Industrial Instrumentation	Prof. V. Jayashankar	IIT Madras
203	108101040	Power Systems Operation and Control	Dr. A.M. Kulkarni	IIT Bombay
204	108103008	Digital Control System	Dr. Indrani Kar, Prof. S. Majhi	IIT Guwahati
205	108103009	Introduction to Hybrid and Electric Vehicles	Prof. S. Majhi, Dr. Praveen Kumar	IIT Guwahati
206	108106024	Nonlinear Control System	Dr. Arun D. Mahindrakar	IIT Madras
207	108106026	Power System Stability and Control	Dr. B. Kalyan Kumar	IIT Madras
208	108107028	Computer Aided Power System Analysis	Dr. Biswarup Das, Dr. Vinay Pant	IIT Roorkee
209	108107029	Microprocessor	Prof. Pramod Agarwal	IIT Roorkee
210	108101005	Restructured Power Systems	Prof. S.A. Khaparde, Dr. A.R. Abhyankar	IIT Bombay, IIT Delhi
211	108106025	Power Quality in Power Distribution Systems	Dr. Mahesh Kumar	IIT Madras
212	108106022	Energy Management Systems and SCADA	Dr. K. Shanti Swarup	IIT Madras

Electronics & Communication Engineering

213	117108097	Information Theory and Coding	Prof. Pavan S Nuggehalli	IISC Bangalore
214	117101055	Signals and Systems	Prof. V.M. Gadre	IIT Bombay
215	117101058	VLSI Design	Prof. A.N. Chandorkar	IIT Bombay
216	117102061	Semiconductor Devices	Dr. G.S. Visweswaran	IIT Delhi
217	117103064	Digital Circuits	Prof. Anil Mahanta, Prof. Roy Paily Palanthinkal	IIT Guwahati
218	117103065	Electromagnetic Fields	Dr. Ratnajit Bhattacharjee	IIT Guwahati
219	117103066	IC Technology	Prof. Roy Paily Palanthinkal, Prof. Indrajit Chakraborty	IIT Guwahati
220	117103067	Probability and Random Processes	Prof. Prabin K Bora	IIT Guwahati
221	117104069	Digital Image Processing	Prof. Sumana Gupta	IIT Kanpur
222	117104070	Digital Signal Processing	Prof. Govind Sharma	IIT Kanpur

223	117104071	High Speed Semiconductor Devices	Prof. Anjan Ghosh	IIT Kanpur
224	117104072	Microcontrollers and Applications	Dr. S.P. Das	IIT Kanpur
225	117105076	Communication Networks and Switching	Prof. S.L. Maskara	IIT Kharagpur
226	117105077	Digital Communication	Prof. R.V. Rajakumar, Prof. Saswat Chakrabarti	IIT Kharagpur
227	117105083	Multimedia processing	Prof. Somnath Sengupta	IIT Kharagpur
228	117107094	Analog Circuits	Dr. Pramod Agarwal	IIT Roorkee
229	117107095	Basic Electronics	Dr. Pramod Agarwal	IIT Roorkee
230	117101054	Optical Communication	Prof. R.K. Shevgaonkar, Prof. D.K. Ghosh	IIT Bombay
231	117101057	Transmission Lines and EM Waves	Prof. R.K. Shevgaonkar	IIT Bombay
232	117103017	Queuing Systems	Prof. S.K. Bose	IIT Guwahati
233	117108037	Biophotonics	Dr. Manoj Varma	IISc Bangalore
234	117106100	Pattern Recognition	Dr. K. Vijayarekha	IIT Madras
235	117103018	Signal Detection and Estimation Theory	Dr. R. Sinha	IIT Guwahati
236	117104022	Semiconductor Optical Communication Components and Devices	Dr. Utpal Das	IIT Kanpur
237	117107035	Advanced Antenna Theory	Dr. Amalendu Patnaik	IIT Roorkee
Engineering Design				
238	107103002	Design fundamentals	Dr. Utpal Barua	IIT Guwahati
239	107104076	Design Paradigm: Source Of Innovation & Invention	Dr. Amit Ray	IIT Kanpur
240	109104075	Color in Design	Dr. Amit Ray	IIT Kanpur
241	107101001	Visual Communication	Dr. Raja Mohanty	IIT Bombay
242	107104078	Design Philosophy & History	Dr. Amit Ray	IIT Kanpur
243	107108010	Creative Engineering Design	Prof. A. Chakrabarti	IISc Bangalore
244	107103012	Design for Manufacture and Assembly(DFMA)	Abinash Kumar Swain	IIT Guwahati
Environmental Science				
245	120108002	Aquatic Biodiversity and Environmental Pollution	Dr. D.S. Durgappa	IISc Bangalore
246	120108004	Environment Management	Prof. T.V. Ramachandra	IISc Bangalore
247	120108005	Municipal Solid Waste Management	Prof. T.V. Ramachandra	IISc Bangalore

Humanities and Social Sciences

248	109101003	Contemporary Issues in Philosophy of Mind & Cognition	Dr. Ranjan K.Panda,Dr. Rajakishore Nath	IIT Bombay
249	109103018	Cultural Studies	Dr. Liza Das	IIT Guwahati
250	109103022	Indian Society - Issues and Problems	Dr. Sambit Mallick,Dr. Liza Das	IIT Guwahati
251	109103023	Introduction to Sociology	Dr. Sambit Mallick	IIT Guwahati
252	109103024	Science, Technology and Society	Dr. Sambit Mallick,Prof. Archana Barua	IIT Guwahati
253	109104029	Biological Bases of Behavior	Dr. Braj Bhushan	IIT Kanpur
254	109104044	Population and Society	Prof. A.K. Sharma	IIT Kanpur
255	109104050	Translation Studies and Theory	Prof. Mini Chandran	IIT Kanpur
256	109104068	Exploring Human Values: Visions of Happiness and Perfect Society	Prof. A.K. Sharma	IIT Kanpur
257	109104070	Psychology of adjustment	Dr. Braj Bhushan	IIT Kanpur
258	109106054	Contemporary Literature	Dr. Aysha Iqbal Viswamohan	IIT Madras
259	109106063	Philosophy of Language	Dr. Satya Sundar Sethy	IIT Madras
260	109104047	Rural and Urban Sociology	Dr. Anindita Chakrabarti	IIT Kanpur
261	109106051	Aspects of Western Philosophy	Dr. Sreekumar Nellickappilly	IIT Madras
262	109101007	Health Psychology	Prof. Mrinmoyi Kulkarni	IIT Bombay
263	109104071	Public Economics	Prof. Tanika Chakrabarty	IIT Kanpur
264	109104072	History of modern economic thought	Dr.Anirban Mukherjee	IIT Kanpur
265	109104048	Social Psychology	Dr. Kumar Ravi Priya	IIT Kanpur
266	109106078	Introduction to Film Studies	Dr. Aysha Iqbal Viswamohan	IIT Madras
267	109106066	Technical English	Dr. G.P. Ragini	SASTRA University
268	109101002	Contemporary Indian Philosophy	Dr. Ratikanta Panda	IIT Bombay
269	109104030	Communication Skills	Dr. T. Ravichandran	IIT Kanpur
270	109104034	Game Theory for Economists	Dr. Sarani Saha	IIT Kanpur
271	109106075	Reading Poetry	Prof. Meghna Mudaliar	IIT Madras

Management

272	110105029	Consumer Behaviour	Dr. Sangeeta Sahney	IIT Kharagpur
273	110105031	International Finance	Dr. Arun K. Misra,Dr. Prabina Rajib	IIT Kharagpur

274	110105034	Organizational Behaviour	Dr. Susmita Mukhopadhyay	IIT Kharagpur
275	110105038	Services Marketing	Dr. Biplab Datta	IIT Kharagpur
276	110106040	Bank Management	Prof. R. Madhumathi	IIT Madras
277	110105053	Econometric Modelling	Dr. Rudra P. Pradhan	IIT Kharagpur
278	110104024	Introduction to Stochastic Processes and its Applications	Dr. Raghu Nandan Sengupta	IIT Kanpur
279	110106046	Services Operations Management	Dr. Arshinder Kaur	IIT Madras
280	110101010	Quality Management	Dr. Indrajit Mukherjee	IIT Bombay
281	110105036	Security Analysis and Portfolio Management	Dr. Chandra Sekhar Mishra, Dr. Jitendra Mahakud	IIT Kharagpur
282	110106059	Operations Research Applications – Linear and Integer Programming	Prof. G. Srinivasan	IIT Madras
283	110101004	Managerial Accounting	Dr. Varadraj Bapat	IIT Bombay
284	110105051	International Business Communication	Prof. A. Malic	IIT Kharagpur
Mathematics				
285	111101001	Algebra II	Prof. Jugal K. Verma	IIT Bombay
286	111101002	Algebraic Topology	Prof. G.K. Srinivasan	IIT Bombay
287	111101004	Introduction to Probability Theory	Dr. K. Suresh Kumar	IIT Bombay
288	111103020	Number Theory	Dr. Anupam Saikia	IIT Guwahati
289	111104026	Discrete Mathematics	Prof. A.K. Lal	IIT Kanpur
290	111104030	Numerical Solution of ODEs	Prof. M.K. Kadalbajoo	IIT Kanpur
291	111104031	Ordinary Differential Equations	Prof. V. Raghavendra	IIT Kanpur
292	111104073	Sampling Theory	Prof. Shalabh	IIT Kanpur
293	111106050	Graph Theory	Prof. S.A. Choudum	IIT Madras
294	111107063	Numerical Solution of Ordinary and Partial Differential Equations	Prof. Rama Bhargava, Prof. Sunita Gakkhar	IIT Roorkee
295	111102012	Linear Programming Problems	Dr. Aparna Mehra	IIT Delhi
296	111103021	Partial Differential Equations	Dr. Rajen Kumar Sinha	IIT Guwahati
297	111104072	Econometric Theory	Prof. Shalabh	IIT Kanpur
298	111104074	Linear Regression Analysis	Prof. Shalabh	IIT Kanpur
299	111104075	Analysis of variance and design of experiment-I	Prof. Shalabh	IIT Kanpur
300	111106047	Functional Analysis	Prof. M.T. Nair	IIT Madras

301	111104078	Analysis of variance and design of experiment-II	Prof. Shalabh	IIT Kanpur
302	111106046	Fourier Analysis	Dr. R. Radha,Dr. S. Thangavelu	IIT Madras
303	111102011	Linear Algebra	Dr. R. K. Sharma,Dr. Wagish Shukla	IIT Delhi
304	111104032	Probability and Distributions	Prof. Neeraj Misra	IIT Kanpur
305	111107056	Complex Analysis	Dr. A. Swaminathan, Dr. V. K. Katiyar	IIT Roorkee
306	111106054	Topology	Prof. P. Veeramani	IIT Madras
307	111107062	Numerical Analysis	Prof. Roshan Lal, Dr. Sandip Banerjee	IIT Roorkee
308	111102009	Advanced Abstract Algebra	Dr. R. K. Sharma, Dr. Kanchan Joshi	IIT Delhi, Univ of Delhi

Mechanical Engineering

309	112108148	Basic Thermodynamics	Prof. K. Srinivasan,Prof. Pradip Dutta	IISC Bangalore
310	112108149	Heat and Mass Transfer	Prof. Pradip Dutta	IISC Bangalore
311	112108150	Materials Science	Prof. Satish V Kailas	IISC Bangalore
312	112101096	Dynamics of Machines	Prof. C. Amarnath,Prof. K. Kurien Issac,Prof. P. Seshu	IIT Bombay
313	112101098	Robotics	Prof. C. Amarnath,Prof. K. Kurien Issac,Prof. P.S. Gandhi,Prof. P. Seshu,Prof. B. Seth	IIT Bombay
314	112102102	Computer Aided Design and Manufacturing I	Prof. Anoop Chawla	IIT Delhi
315	112102103	Computer Aided Design and Manufacturing II	Prof. P.V. Madhusudan Rao	IIT Delhi
316	112102105	Kinematics	Prof. Sudipto Mukherjee,Prof. Ashok K Mallik	IIT Delhi
317	112102107	Project and Production Management	Prof. Arun Kanda,Prof. S.G. Deshmukh	IIT Delhi
318	112103109	Engineering Mechanics	Prof. U.S. Dixit	IIT Guwahati
319	112103111	Mechanical Vibrations	Prof. Rajiv Tiwari,Prof. S.K. Dwivedy	IIT Guwahati
320	112104113	Basic Thermodynamics	Prof. Y.V.C. Rao,Prof. Gautam Biswas	IIT Kanpur
321	112104116	Finite Element Method	Prof. P.M. Dixit	IIT Kanpur
322	112104117	Fluid Machinery	Prof. Gautam Biswas,Prof. S. Sarkar,Prof. S.K. Som	IIT Kanpur
323	112104118	Fluid Mechanics	Prof. Gautam Biswas,Prof. S.K. Som	IIT Kanpur
324	112104122	Materials Selection and Design	Prof. Bishakh Bhattacharya	IIT Kanpur

325	112105125	Design of Machine Elements I	Prof. S.K. Roychowdhury, Prof. B. Maiti, Prof. G. Chakraborty	IIT Kharagpur
326	112105127	Manufacturing Processes II	Prof. A.K. Chattopadhyay, Prof. A.B. Chattopadhyay, Prof. S. Paul	IIT Kharagpur
327	112105129	Refrigeration and Air Conditioning	Prof. M. Ramgopal	IIT Kharagpur
328	117106090	Principles of Communication	Prof. V. Venkat Rao	IIT Madras
329	112106133	Applied Thermodynamics	Prof. T. Sundararajan, Prof. U.S. Premananda Shet, Prof. J.M. Mallikarjuna	IIT Madras
330	112106137	Machine Design II	Prof. K. Gopinath, Prof. M.M. Mayuram	IIT Madras
331	112106139	Mechanical Measurements and Metrology	Prof. S.P. Venkateshan, Prof. Shunmugam M. S	IIT Madras
332	112106141	Strength of Materials	Prof. M.S. Sivakumar	IIT Roorkee
333	112107142	Industrial Engineering	Dr. Pradeep Kumar, Prof. P.K. Jain, Prof. H.S. Shan	IIT Roorkee
334	112107144	Manufacturing Processes I	Dr. Pradeep Kumar, Prof. H.S. Shan, Prof. S.R. Gupta	IIT Roorkee
335	112107146	Strength of Materials	Dr. Satish C Sharma	IIT Roorkee
336	112104120	Introduction to Turbulence	Prof. Gautam Biswas	IIT Kanpur
337	112106153	Forming	Dr. R. Chandramouli	SASTRA University
338	112101005	Design For Manufacturing	Prof. A. De	IIT Bombay
339	112102015	Tribology	Dr. Harish Hirani	IIT Delhi
340	112103016	Advanced Engineering Thermodynamics	Prof. P. Mahanta	IIT Guwahati
341	112104030	Computational Fluid Dynamics and Heat Transfer	Prof. Gautam Biswas	IIT Kanpur
342	112104033	Engine Combustion	Prof. B.P. Pundir	IIT Kanpur
343	112104039	Optical Measurement Techniques in Thermal Sciences	Prof. K. Muralidhar, Prof. P.K. Panigrahi	IIT Kanpur
344	112104040	Principles of Vibration Control	Prof. Bishakh Bhattacharya	IIT Kanpur
345	112104160	Structural Health Monitoring of Composites	Prof. Anand Kumar, Prof. Bishakh Bhattacharya	IIT Kanpur
346	112104161	Mechanics of Laminated composite structure	Prof. Nachiketa Tiwari	IIT Kanpur
347	112104168	Introduction to Composites	Prof. Nachiketa Tiwari	IIT Kanpur
348	112105054	Vibration of Structures	Prof. A. Dasgupta	IIT Kharagpur

349	112107080	Computational Fluid Dynamics	Dr. K.M. Singh	IIT Roorkee
350	112108091	Computational Heat Transfer and Fluid Flow	Prof. Pradip Dutta	IISc Bangalore
351	112108093	Robotics: Advanced Concepts and Analysis	Prof. Ashitava Ghosal	IISc Bangalore
352	112104158	Modelling and control of Dynamic Electro-Mechanical System	Prof. Bishakh Bhattacharya	IIT Kanpur
353	112103021	Gas Dynamics	Dr. Vinayak Kulkarni	IIT Guwahati
354	112104173	Smart Material, Adaptive Structures and Intelligent Mechanical Systems - IITK	Prof. Bishakh Bhattacharya, Prof. Nachiketa Tiwari	IIT Kanpur
355	112107077	Advanced Manufacturing Processes	Dr. A.K. Sharma, Prof. Pradeep Kumar	IIT Roorkee
356	112107085	Processing of non metals	Dr. Inderdeep Singh	IIT Roorkee
357	112103174	Mechatronics and Manufacturing Automation	Dr. Shrikrishna N. Joshi	IIT Guwahati
358	112106175	Fluid Power control	Jagadeesha T	IIT Madras
359	112101001	Second Level Course in Heat Transfer	Prof. R.P. Vedula	IIT Bombay
360	112103024	Theory & Practice of Rotor Dynamics	Prof. Rajiv Tiwari	IIT Guwahati
361	112107090	Welding Engineering	Dr. D. K. Dwivedi	IIT Roorkee
362	112103022	Nonlinear Vibration	Prof. S.K. Dwivedy	IIT Guwahati
363	112104176	Sound Propagation Through Media	Prof. Nachiketa Tiwari	IIT Kanpur
364	112103019	Engineering Drawing	Prof. P.S. Robi	IIT Guwahati
365	112104159	Convective Heat and Mass Transfer	Prof. Gautam Biswas, Dr. Amaresh Dalal	IIT Kanpur
366	112107088	Vibration control	Dr. S. P. Harsha	IIT Roorkee
367	112102011	Automation & Controls	Dr. S. Jha	IIT Delhi
368	112106061	Computational Fluid Dynamics for Turbomachinery	Dr. Y.V.S.S. Sanyasiraju, Prof. B.V.S.S.S. Prasad	IIT Madras
369	112105050	Solar Energy Technology	Prof. V.V. Satyamurty	IIT Kharagpur
370	112105165	Wave Propagation in Continuous Media	Prof. S.P. Kastagir, Prof. A. Dasgupta	IIT Kharagpur
371	112106072	Random vibrations & Failure Analysis	Dr. Sayan Gupta	IIT Madras
Metallurgy and Material Science				
372	113104005	Electroceramics	Dr. Ashish Garg	IIT Kanpur
373	113104058	Fuel, furnace and Refractory	Prof. Satish Ch. Korla	IIT Kanpur
374	113104059	Steel Making	Prof. Satish Ch. Korla	IIT Kanpur

375	113104060	Materials and Heat Balance in Metallurgical Processes	Prof. Satish Ch. Korla	IIT Kanpur
376	113106032	Introduction to Materials Science and Engineering	Dr. Ranjit Bauri	IIT Madras
377	113106040	Physics of Materials	Dr. Prathap Haridoss	IIT Madras
378	113108051	Advances in Corrosion Engineering	Prof. K.A. Natarajan	IISc Bangalore
379	113108052	Diffusion in solids	Dr. Alope Paul	IISc Bangalore
380	113108055	Metals Biotechnology	Prof. K.A. Natarajan	IISc Bangalore
381	113101002	Computational Approach to Materials Science and Engineering	Dr. M.P. Gururajan, Dr. Prita Pant	IIT Bombay
382	113101003	Phase Transformations and Heat Treatment	Dr. M.P. Gururajan	IIT Bombay
383	113108054	Introduction to Crystallographic texture and related phenomenon	Dr. Satyam Suwas	IISc Bangalore
384	113105023	Principles of Physical Metallurgy	Prof. R.N. Ghosh	IIT Kharagpur
		Mining Engineering		
385	123106002	An Introduction to Underground Mine Environment and Ventilation	Dr. Harsha Vardhan	NITK
		Nanotechnology		
386	118106019	Nanobiotechnology	Dr. K. Uma Maheswari	IIT Madras
387	118107015	Nanobiotechnology	Prof. R. P. Singh, Dr. Naveen Kr. Navani	IIT Roorkee
388	118106021	Nanophotonics	Dr. R. Ganapathy	SASTRA University
		Ocean Engineering		
389	114106028	Wave simulation, measurement and analysis	Prof. S.A. Sannasiraj	IIT Madras
		Physics		
390	115101004	Electrodynamics	Prof. Amol Dighe	IIT Bombay
391	115101010	Quantum Mechanics I	Prof. S.H. Patil	IIT Bombay
392	115101012	Superconductivity	Prof. P.P. Singh, Prof. A.V. Mahajan	IIT Bombay
393	115102017	Nuclear Science & Engineering	Dr. Santanu Ghosh	IIT Delhi
394	115103039	Spintronics: Physics and Technology	Dr. A. Perumal	IIT Guwahati
395	115101009	Ideas and methods in condensed matter theory	Dr. Kedar Damle	IIT Bombay
396	115102025	Fundamental concepts of semiconductors	Dr. G. Vijaya Prakash	IIT Delhi

397	115103028	Advanced Statistical Mechanics	Dr. S.B. Santra	IIT Guwahati
398	115103038	Physics of Magnetic Recording and Recording Media	Dr. A. Perumal, Prof. A. Srinivasan	IIT Guwahati
399	115105083	Oscillation and Wave	Prof. S.P. Kastagir, Prof. S. Bharadwaj	IIT Kharagpur
400	115103036	Mathematical Physics - 1	Dr. Saurabh Basu	IIT Guwahati
401	115105052	Random Matrix Theory and Applications	Dr. Pragya Shukla	IIT Kharagpur
402	115106076	Physics & Applications of Semiconductor Nanostructures (Semiconductor Nanodevices)	Dr. R. John Bosco Balaguru, Dr. B. G. Jayaprakash	SASTRA University
403	115101007	Introduction to Physics of Nanoparticles and Nanostructures	Prof. G. Mukhopadhyay	IIT Bombay
404	115101008	NonLinear Optics	Prof. B.P. Singh, Prof. K.C. Rustagi	IIT Bombay
Textile Engineering				
405	116102008	Knitting Technology	Prof. P.K. Banerjee	IIT Delhi
406	116102014	Nonwoven Technology	Dr. Dipayan Das	IIT Delhi
407	116102019	Quality Control in Textile Industry	Dr. Dipayan Das	IIT Delhi
408	116102029	Textile Testing	Dr. Apurba Das	IIT Delhi
409	116104046	Natural Dyes	Dr. Padma S Vankar	IIT Kanpur
410	116104045	Textile Effluent and its Management	Dr. Padma S Vankar	IIT Kanpur
411	116102006	High Performance and Specialty Fibres	Dr. Manjeet Jassal	IIT Delhi
412	116102017	Shuttleless Weaving	Prof. P.K. Banerjee	IIT Delhi
413	116102038	Yarn Manufacture - II	Prof. R. Alagirusamy	IIT Delhi
414	116102010	Manufactured Fibre Technology	Prof. Ashwini Kumar Agrawal	IIT Delhi
415	116102026	Textile Fibres	Dr. Samrat Mukhopadhyay	IIT Delhi
416	116102012	Mechanics of Textile Machinery	Dr. R.S. Rengasamy	IIT Delhi
417	116102005	Fabric Manufacture - I	Dr. Abhijit Majumdar	IIT Delhi
418	116102016	Textile chemical Processing: Theory and practice of Preparatory Processes	Dr. B S Butola	IIT Delhi