

LIST OF COURSES REGISTERED BY THE STUDENTS**B.Tech./B.Arch, Autumn Semester, 2020-21 Updated on: 22-Oct-20****THEORY COURSES**

S.No.	Crs. No.	Course Title	Credits	POPULATION			
				Mode a	Mode b	Mode c	Total
1	AC111	Applied Chemistry	4	0	7	0	7
2	ACA3110	Engineering Materials	4	16	1	0	17
3	ACO3080	Atmospheric Chemistry	4	57	0	0	57
4	ACS1110	Applied Chemistry	4	1	8	0	9
5	AM111	Mathematics-I	4	0	3	0	3
6	AM112	Mathematics-II	4	0	5	0	5
7	AM211	Mathematics-III	4	0	3	0	3
8	AM212	Mathematics IV	4	0	2	0	2
9	AM223	Higher Mathematics	4	0	1	0	1
10	AM231	Higher Mathematics	4	1	2	0	3
11	AM241	Higher Mathematics	4	1	3	0	4
12	AM251	Higher Mathematics-I	4	0	3	0	3
13	AM252	Higher Mathematics-II	4	0	4	0	4
14	AM261	Higher Mathematics	4	0	2	0	2
15	AMO3510	Numerical Techniques	4	58	0	0	58
16	AMS1110	Applied Mathematics-I	4	5	32	7	44
17	AMS2110	Mathematics-III	3	74	3	0	77
18	AMS2230	Higher Mathematics	4	73	0	0	73
19	AMS2310	Higher Mathematics	4	92	2	0	94
20	AMS2410	Higher Mathematics	4	47	1	0	48
21	AMS2510	Higher Mathematics - I	4	58	2	0	60
22	AMS2520	Higher Mathematics - II	4	58	2	0	60
23	AMS2610	Higher Mathematics	4	66	2	0	68
24	AP111	Applied Physics	4	0	9	0	9
25	AP204	Electromagnetics	4	0	1	0	1
26	APO3090	Nano-physics & Nano-technology-I	4	22	0	0	22
27	APS1110	Applied Physics	4	1	12	6	19
28	APS2050	Electrical Engineering Materials	3	73	1	0	74
29	AR102	Construction & Materials-I	4	0	1	0	1
30	AR204	Construction & Materials-III	5	0	1	0	1
31	AR351N	Architectural Design III	7	0	1	0	1
32	AR415	Estimating, Costing & Specification	4	1	0	0	1
33	AR507	Urban Design	4	15	0	0	15
34	AR511	Housing & Community Planning	4	15	0	0	15
35	AR517	Professional Practice, Valuation & Arbitration	4	15	0	0	15
36	AR555	Design Thesis	12	15	0	0	15
37	ARC2030	Climate & Design	4	24	0	1	25
38	ARC2050	Building Services – I (Water Supply and Sanitation)	3	23	0	0	23
39	ARC2070	Ancient Architecture (Indian and Far East)	3	23	0	0	23

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40	ARC2330	Construction and Materials - II	5	23	0	0	23
41	ARC3090	Building Bye Laws & Regulations	3	22	0	0	22
42	ARC3110	Islamic Architecture	3	22	0	0	22
43	ARC3130	Specification Estimating & Costing	4	22	0	0	22
44	ARC3150	Building Services – III (Mechanical)	3	22	0	0	22
45	ARC3950	Building Study	2	22	0	0	22
46	ARC4170	Modern & Contemporary Architecture	3	24	0	0	24
47	ARC4430	Construction & Materials - V	5	24	0	0	24
48	ARC4450	Landscape Design	4	24	0	0	24
49	ARC4670	Architectural Design - VI	7	24	0	0	24
50	CE213	Fluid Mechanics	4	0	5	0	5
51	CE214	Water Supply and Treatment	4	0	1	0	1
52	CE215	Engineering Geology	4	0	1	0	1
53	CE221	Civil Engg. Materials & Construction Practice	4	0	4	0	4
54	CE311	Design of Concrete Structure-I	4	0	4	0	4
55	CE312	Soil Mechanics	4	0	1	0	1
56	CE313	Waste Management	4	0	1	0	1
57	CE315	Structural Analysis-I	4	0	1	0	1
58	CE413	Foundation Engineering	4	7	0	0	7
59	CE415	Irrigation Engineering	4	0	1	0	1
60	CE429	Industrial Pollution Control	4	0	2	0	2
61	CE430N	Structural Analysis-II	4	1	0	0	1
62	CE444N	Disaster Management	4	3	0	0	3
63	CEA1110	Environmental Studies	3	2	1	0	3
64	CEA1120	Strength of Materials	3	0	20	3	23
65	CEA2140	Engineering Geology	4	74	0	0	74
66	CEA3110	Structural Design - I	4	22	0	0	22
67	CEC2130	Fluid Mechanics	4	74	3	0	77
68	CEC2150	Quantity Survey	4	74	1	1	76
69	CEC2160	Civil Engineering Materials and Construction Practice	4	74	4	1	79
70	CEC2180	Surveying	4	0	1	0	1
71	CEC3110	Design of Concrete Structures-I	4	78	3	0	81
72	CEC3120	Soil Mechanics	4	78	5	0	83
73	CEC3130	Environmental Engineering II	4	78	2	0	80
74	CEC3140	Engineering Hydraulics-I	4	78	1	0	79
75	CEC3150	Structural Analysis-I	4	81	7	0	88
76	CEC4120	Foundation Engineering	4	57	0	0	57
77	CEC4130	Irrigation Engineering	4	57	0	0	57
78	CEC4980	Project A*	4	57	0	0	57
79	CEE4580	Dam Engineering	4	31	0	0	31
80	CEE4590	Industrial Pollution Control	4	26	0	0	26
81	CEH4110	Construction Management II	4	57	0	0	57

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				Mode a	Mode b	Mode c	Total
82	CEO4710	Disaster Management	4	59	0	0	59
83	CEO4750	Project Management	4	61	0	0	61
84	CH211	Basic Principles of Chemical Engg.	4	0	2	0	2
85	CH214	Fluid Particle Operations	4	0	1	0	1
86	CH224	Process Instrumentation	4	0	2	0	2
87	CH225	Engineering Biology	4	0	1	0	1
88	CH226	Numerical Methods in Chemical Engg.	4	0	1	0	1
89	CH313	Mass Transfer Operations	4	0	1	0	1
90	CH323	Transport Phenomena	4	0	1	0	1
91	CH324	Process Equipment Design	4	0	2	0	2
92	CH335	Bioprocess Engineering	4	0	1	0	1
93	CH411	Process Dynamics & Control	4	0	1	0	1
94	CH431	Hazardous Waste Management	4	2	2	0	4
95	CHA2020	Biology for Engineers	3	34	0	0	34
96	CHC2010	Basic Principles of Chemical Engg.	4	37	3	0	40
97	CHC2030	Fluid Mechanics	4	34	0	0	34
98	CHC2040	Fluid Particle Operations	4	33	0	0	33
99	CHC3080	Mass Transfer Operations	4	27	0	0	27
100	CHC3090	Process Instrumentation	3	25	1	0	26
101	CHC3100	Chemical Reaction Engineering-I	3	26	0	0	26
102	CHC3110	Equilibrium Stage Processes	4	27	0	0	27
103	CHC4190	Process Engineering & Plant Design	4	24	0	0	24
104	CHC4200	Chemical Process Industries -II	3	24	0	0	24
105	CHE3210	Bio Process Engineering	4	23	0	0	23
106	CHE4430	Petroleum Processing	4	24	0	0	24
107	CHO4260	MATLAB for Scientist & Engineers	4	43	0	0	43
108	CHO4310	Hazardous Waste Management	4	42	0	0	42
109	CO203	Object Oriented Programming	4	0	1	0	1
110	CO206	Algorithm and Data Structure	4	0	1	0	1
111	CO207	Logic Theory & Computer Organization	4	0	2	0	2
112	CO308	Digital Electronics	4	0	2	0	2
113	CO309	Microprocessor Theory And Applications	4	1	1	0	2
114	CO310	Operating Systems	4	0	1	0	1
115	CO406	Compiler Design	4	4	0	0	4
116	CO431	Internet Tools	4	2	0	0	2
117	CO446N	Select. Topics in Computer Engg.-I	4	1	0	0	1
118	CO451	Computer Network design	4	1	0	0	1
119	CO458	Cloud Computing	4	2	1	0	3
120	CO460	Computer Architecture	4	1	4	0	5
121	CO461	Principles of Machine Learning	4	3	0	0	3
122	COC2030	Object Oriented Programming	4	66	2	0	68
123	COC2060	Data Structure and Algorithm	4	66	3	1	70

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				Mode a	Mode b	Mode c	Total
124	COC2070	Digital Logic and System Design	4	69	4	1	74
125	COC3080	Digital Electronics	4	64	3	0	67
126	COC3090	Microprocessor Theory & Applications	4	64	0	0	64
127	COC3100	Operating Systems	4	65	0	0	65
128	COC4010	Information Security	4	61	0	0	61
129	COC4060	Compiler Design	4	60	0	0	60
130	COE4510	Computer Network Design	4	51	0	0	51
131	COE4520	(Mobile Computing	4	39	0	0	39
132	COE4580	Cloud Computing	4	59	0	0	59
133	COE4610	Principles of Machine Learning	4	31	0	0	31
134	COO4460	Select. Topics in Computer Engg.-I	4	22	0	0	22
135	EE111	Basics of Elect. & Electronics Engg	4	2	3	0	5
136	EE206	Electrical Engineering	4	0	1	0	1
137	EE211N	Electrical Machines-I	4	0	1	0	1
138	EE231N	Power System Engineering	4	0	1	0	1
139	EE276	Circuit Theory	4	0	1	0	1
140	EE277	Electrical Engineering Materials	4	0	1	0	1
141	EE305	Control Engineering	4	2	3	0	5
142	EE321N	Power Electronics-I	4	0	1	0	1
143	EE322N	Power Electronics-II	4	0	1	0	1
144	EE333N	Power System Protection	4	0	1	0	1
145	EE335N	Power System Analysis	4	0	1	0	1
146	EE352N	Electrical & Electronic Instr.	4	0	1	0	1
147	EE421	Renewable Energy Sources	4	0	1	0	1
148	EE434	Energy Management and Automation	4	0	1	0	1
149	EE435	Power Station Practice	4	2	0	0	2
150	EE442N	Control Systems	4	0	1	0	1
151	EE482	Digital Signal Processing	4	3	0	0	3
152	EEA1110	Principles of Electrical Engineering	3	1	18	3	22
153	EEA2030	Electrical Engineering	3	33	0	0	33
154	EEA3010	Automation & Control	4	91	1	2	94
155	EEC2110	Electrical Machines-I	4	73	9	0	82
156	EEC2710	Circuit Theory	4	73	7	0	80
157	EEC2720	Electromagnetic Field Theory	4	73	7	0	80
158	EEC2730	Signals & Systems	3	73	7	0	80
159	EEC3210	Power Electronics-II	4	72	3	3	78
160	EEC3310	Power System Analysis	4	72	0	1	73
161	EEC3510	Electrical & Electronic Instr.	3	72	0	0	72
162	EEC3610	High Voltage Engineering	3	72	0	0	72
163	EEC4310	Power System Protection	4	70	0	0	70
164	EEC4410	Control Systems	4	70	0	0	70
165	EEE4110	Modern Electric Drives	3	64	0	0	64

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				Mode a	Mode b	Mode c	Total
166	EEE4210	Power Semiconductor Controllers	3	39	0	0	39
167	EEE4230	Solar Photovoltaic Systems	3	40	0	0	40
168	EEE4310	Power Station Practice	3	67	0	0	67
169	EL211	Electronic Devices & Circuits	4	0	2	0	2
170	EL211N	Electronic Devices	4	0	4	0	4
171	EL212	Circuit Theory	4	0	1	0	1
172	EL213	Analog Electronics	4	0	1	0	1
173	EL241	Signals & Systems	4	0	4	0	4
174	EL311	Digital Electronics	4	0	1	0	1
175	EL312	Active Network Synthesis	4	0	3	0	3
176	EL315	VLSI Design & Technology	4	0	3	0	3
177	EL332	Microprocessors & Microcontrollers	4	0	3	0	3
178	EL340	Communication Engineering	4	1	1	0	2
179	EL342	Digital Communication	4	0	2	0	2
180	EL343N	Digital Signal Processing-I	4	0	1	0	1
181	EL354	Microwaves and Antennas	4	0	5	0	5
182	EL412	Analog I.C. Design	4	1	1	0	2
183	EL413	Digital I.C. Design	4	2	4	0	6
184	EL447	Multimedia Systems & Networks	4	0	2	0	2
185	EL458N	TV and Radar Engineering	4	0	2	0	2
186	ELA1110	Principles of Electronics Engineering	3	0	22	2	24
187	ELA2110	Electronic Devices & Circuits	4	66	3	0	69
188	ELA3020	Fundamentals of Communication Engineering	4	72	2	2	76
189	ELA3400	Communication Engineering	4	65	1	0	66
190	ELC2110	Electronic Devices & Circuits	4	58	4	1	63
191	ELC2120	Circuit Theory	4	58	1	0	59
192	ELC2310	Logic Circuits	4	60	7	1	68
193	ELC2410	Signals and Systems	4	58	10	1	69
194	ELC3110	Analog Electronics	4	62	1	0	63
195	ELC3210	Control Systems	4	62	1	0	63
196	ELC3310	Microprocessors & Microcontrollers	4	62	0	0	62
197	ELC3410	Principles of Communication Engineering II	4	62	4	0	66
198	ELC3510	Microwaves and Antennas	4	62	1	0	63
199	ELC3610	VLSI Design & Technology	4	62	3	0	65
200	ELC4410	Communication Networks	4	57	0	0	57
201	ELC4980	Project (Continued)	3	57	0	0	57
202	ELE4520	Mobile Communication	4	36	0	0	36
203	ELE4610	Analog IC Design	4	24	0	0	24
204	ELE4620	Digital IC Design	4	54	0	0	54
205	ELO4310	Artificial Intelligence & Neural Networks	4	21	0	0	21
206	EZH1110	English	3	0	2	1	3
207	EZH3010	Fundamentals of Entrepreneurship	3	67	0	0	67

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208	EZH3020	Intellectual Property Rights for Engineers	3	66	0	0	66
209	EZH3030	Patent law for Engineers	3	44	0	0	44
210	ME101	Thermal Sciences	4	0	9	0	9
211	ME111	Applied Mechanics	4	1	8	0	9
212	ME213	Mechanics of Solids	4	0	3	0	3
213	ME214	Manufacturing Technology I	4	0	6	0	6
214	ME215	Kinematics and Design of Machines	4	0	2	0	2
215	ME220	Experimental Methods & Analysis	4	0	6	0	6
216	ME231	Fluids Mechanics I	4	0	5	0	5
217	ME317	Machine Design	4	1	4	0	5
218	ME323	Heat & Mass Transfer	4	2	3	0	5
219	ME325	Manufacturing Technology II	4	0	1	0	1
220	ME332	Fluid Mechanics II	4	1	8	0	9
221	ME340	Economics & Management	4	0	6	0	6
222	ME341	Industrial Engineering	4	1	2	0	3
223	ME406	Powder Metallurgy	4	0	1	0	1
224	ME411	Mechanical Vibrations	4	1	6	0	7
225	ME425	Air Pollution Technology	4	3	0	0	3
226	ME428	Power Plant Engineering	4	0	1	0	1
227	ME433	Fluid Machinery	4	0	3	0	3
228	ME445	Operational Research	4	1	0	0	1
229	ME447	Facilities Planning & Plant Engg.	4	0	1	0	1
230	ME461	Heating, Vent. & Air Cond.(HVAC)	4	0	1	0	1
231	ME479	Introduction to Composite Materials	4	0	1	0	1
232	MEA1110	Engineering Thermodynamics	4	2	9	0	11
233	MEA1120	Engineering Mechanics	3	8	23	8	39
234	MEA2420	Experimental Methods & Analysis	3	90	13	0	103
235	MEC2110	Mechanics of Solids	4	89	5	0	94
236	MEC2120	Kinematics of Machines	3	91	3	0	94
237	MEC2310	Fluid Mechanics-I	4	91	6	2	99
238	MEC2410	Manufacturing Technology-I	4	102	16	1	119
239	MEC3110	Machine Design II	4	91	1	2	94
240	MEC3210	Heat & Mass Transfer	4	93	1	1	95
241	MEC3310	Fluid Mechanics II	3	91	16	1	108
242	MEC3410	Industrial Engineering	4	90	1	0	91
243	MEC4110	Mechanical Vibrations	4	97	0	0	97
244	MEE4130	Introduction to Composites	4	14	0	0	14
245	MEE4230	Refrigeration & Air Conditioning	4	38	1	0	39
246	MEE4240	Automotive Engineering	4	31	0	0	31
247	MEE4340	Applied Comp. Fluid Dynamics	4	17	0	0	17
248	MEE4410	Powder Metallurgy	4	49	0	0	49
249	MEE4420	Operations Research	4	38	0	0	38

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250	MEH3450	Engineering Economy & Management	4	104	1	0	105
251	MEO4230	Air Pollution Technology	4	31	0	0	31
252	MEO4420	Total Quality Management	4	15	0	0	15
253	PK211	Basic Principles of Chemical Engg.	4	1	2	0	3
254	PK214	Reaction Kinetics & Reactor Design	4	0	4	0	4
255	PK231	Chemistry of Hydrocarbons	4	0	2	0	2
256	PK232	Fluid Mechanis	4	0	3	0	3
257	PK233	Fluid-Particle Operations	4	1	1	0	2
258	PK311N	Petroleum Refining Processes	4	0	1	0	1
259	PK313N	Mass Transfer Operations	4	0	3	0	3
260	PK411	Process Dynamics & Control	4	0	4	0	4
261	PKC2010	Basic Principles of Chemical Engineering	4	16	3	0	19
262	PKC2030	Chemistry of Hydrocarbons	4	14	0	0	14
263	PKC2050	Fluid Mechanics	4	13	2	0	15
264	PKC2070	Reaction Kinetics and Reactor Design	4	13	2	0	15
265	PKC2090	Fluid -Particle Operations	4	14	1	0	15
266	PKC3010	Petroleum Refining Processes	4	16	0	0	16
267	PKC3030	Heat Transfer Operations	4	16	0	0	16
268	PKC3050	Mass Transfer Operations	4	16	0	0	16
269	PKC3070	Refinery Engineering Calculations	4	16	1	0	17
270	PKC4010	Process Dynamics and Control	4	16	0	0	16
271	PKC4030	Plant Design & Economics	4	16	0	0	16