



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Results for III B.Tech II Semester [R13/R10] Regular/Supplementary Examinations April-2018

College: DMS SVH COLLEGE OF ENGINEERING:3C

Htno	Subcode	Subname	Internal	External	Credits
123C1A0218	R32024	MICROPROCESSORS AND MICROCONTROLLER	15	4	0
123C1A0309	R32035	DESIGN OF MACHINE MEMBERS_II	14	16	0
123C1A0451	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	11	31	4
123C1A0455	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	5	38	4
123C1A0467	R32043	DIGITAL SIGNAL PROCESSING	10	-1	0
123C1A0467	R32045	VLSI DESIGN	17	17	0
123C1A0473	R32045	VLSI DESIGN	8	17	0
123C1A0474	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	14	28	4
123C1A0475	R32026	MANAGEMENT SCIENCE	9	26	0
123C1A0475	R32043	DIGITAL SIGNAL PROCESSING	10	24	0
123C1A0475	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	9	28	0
123C1A0475	R32045	VLSI DESIGN	9	24	0
123C1A0520	R32026	MANAGEMENT SCIENCE	12	31	4
123C1A0520	R32051	ADVANCED COMPUTER NETWORKS	7	8	0
123C1A0520	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	11	17	0
133C1A0101	RT32012	GEOTECHNICAL ENGINEERING II	17	9	0
133C1A0103	RT32011	ENVIRONMENTAL ENGINEERING I	18	-1	0
133C1A0131	RT32011	ENVIRONMENTAL ENGINEERING I	17	44	3
133C1A0131	RT32012	GEOTECHNICAL ENGINEERING II	22	25	3
133C1A0131	RT32014	WATER RESOURCES ENGINEERING I	21	-1	0
133C1A0203	RT32021	MICROPROCESSORS & MICROCONTROLLERS	21	33	3
133C1A0301	RT32031	OPERATIONS RESEARCH	8	10	0
133C1A0301	RT32034	ROBOTICS	4	28	0
133C1A0322	RT32034	ROBOTICS	7	21	0
133C1A0322	RT32035	HEAT TRANSFER	18	6	0
133C1A0323	RT32031	OPERATIONS RESEARCH	20	18	0
133C1A0323	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	38	3
133C1A0325	RT32031	OPERATIONS RESEARCH	17	-1	0
133C1A0326	RT32031	OPERATIONS RESEARCH	23	24	3
133C1A0326	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	5	0
133C1A0326	RT32033	DESIGN OF MACHINE MEMBERS II	18	-1	0
133C1A0326	RT32034	ROBOTICS	14	-1	0
133C1A0326	RT32035	HEAT TRANSFER	25	-1	0
133C1A0326	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	-1	0
133C1A0326	RT32037A	REFRIGERATION & AIR CONDITIONING	20	-1	0
133C1A0330	RT32031	OPERATIONS RESEARCH	23	11	0
133C1A0341	RT32031	OPERATIONS RESEARCH	23	20	0
133C1A0353	RT32034	ROBOTICS	2	0	0
133C1A0353	RT32035	HEAT TRANSFER	18	13	0
133C1A0353	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	16	-1	0
133C1A0369	RT32031	OPERATIONS RESEARCH	24	30	3
133C1A0369	RT32032	INTERACTIVE COMPUTER GRAPHICS	10	30	3
133C1A0369	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	26	14	0
133C1A0369	RT32037A	REFRIGERATION & AIR CONDITIONING	20	0	0

Htno	Subcode	Subname	Internal	External	Credits
133C1A03A8	RT32031	OPERATIONS RESEARCH	25	0	0
133C1A03A8	RT32037A	REFRIGERATION & AIR CONDITIONING	20	5	0
133C1A03B3	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	14	-1	0
133C1A03B3	RT32037A	REFRIGERATION & AIR CONDITIONING	13	2	0
133C1A0406	RT32043	DIGITAL COMMUNICATIONS	15	7	0
133C1A0431	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	17	-1	0
133C1A0431	RT32042	DIGITAL SIGNAL PROCESSING	10	18	0
133C1A0431	RT32043	DIGITAL COMMUNICATIONS	13	-1	0
133C1A0431	RT32044	MICROWAVE ENGINEERING	11	3	0
133C1A0431	RT32045A	BIO MEDICAL ENGINEERING	10	22	0
133C1A0439	RT32042	DIGITAL SIGNAL PROCESSING	13	27	3
133C1A0440	RT32042	DIGITAL SIGNAL PROCESSING	10	12	0
133C1A0440	RT32043	DIGITAL COMMUNICATIONS	7	-1	0
133C1A0440	RT32044	MICROWAVE ENGINEERING	8	0	0
133C1A0441	RT32042	DIGITAL SIGNAL PROCESSING	20	11	0
133C1A0441	RT32043	DIGITAL COMMUNICATIONS	14	4	0
133C1A0441	RT32044	MICROWAVE ENGINEERING	22	-1	0
133C1A0443	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	14	0	0
133C1A0443	RT32042	DIGITAL SIGNAL PROCESSING	20	11	0
133C1A0443	RT32043	DIGITAL COMMUNICATIONS	11	8	0
133C1A0443	RT32044	MICROWAVE ENGINEERING	15	6	0
133C1A0502	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	11	-1	0
133C1A0502	RT32055	WEB TECHNOLOGIES	4	-1	0
133C1A0504	RT32055	WEB TECHNOLOGIES	7	11	0
133C1A0515	RT32053	COMPUTER NETWORKS	10	28	0
133C1A0515	RT32055	WEB TECHNOLOGIES	10	0	0
133C1A0516	RT32053	COMPUTER NETWORKS	13	6	0
133C1A0516	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	16	29	3
133C1A0516	RT32055	WEB TECHNOLOGIES	13	0	0
143C1A0103	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	17	44	3
143C1A0110	RT32015	TRANSPORTATION ENGINEERING II	25	40	3
143C1A0111	RT32012	GEOTECHNICAL ENGINEERING II	21	25	3
143C1A0111	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	19	38	3
143C1A0112	RT32011	ENVIRONMENTAL ENGINEERING I	14	25	0
143C1A0112	RT32012	GEOTECHNICAL ENGINEERING II	17	5	0
143C1A0113	RT32011	ENVIRONMENTAL ENGINEERING I	16	19	0
143C1A0113	RT32014	WATER RESOURCES ENGINEERING I	22	0	0
143C1A0113	RT32015	TRANSPORTATION ENGINEERING II	15	21	0
143C1A0115	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	27	10	0
143C1A0123	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	17	28	3
143C1A0126	RT32011	ENVIRONMENTAL ENGINEERING I	21	35	3
143C1A0126	RT32012	GEOTECHNICAL ENGINEERING II	17	8	0
143C1A0126	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	18	-1	0
143C1A0126	RT32015	TRANSPORTATION ENGINEERING II	21	-1	0
143C1A0128	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	39	3
143C1A0134	RT32014	WATER RESOURCES ENGINEERING I	27	20	0
143C1A0134	RT32015	TRANSPORTATION ENGINEERING II	25	42	3
143C1A0135	RT32014	WATER RESOURCES ENGINEERING I	24	9	0
143C1A0135	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	16	18	0
143C1A0139	RT32011	ENVIRONMENTAL ENGINEERING I	11	9	0

Htno	Subcode	Subname	Internal	External	Credits
143C1A0139	RT32012	GEOTECHNICAL ENGINEERING II	16	3	0
143C1A0139	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	0	0
143C1A0141	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	20	45	3
143C1A0142	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	18	44	3
143C1A0147	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	20	25	3
143C1A0202	RT32022	SWITCHGEAR AND PROTECTION	27	38	3
143C1A0203	RT32022	SWITCHGEAR AND PROTECTION	26	5	0
143C1A0206	RT32021	MICROPROCESSORS & MICROCONTROLLERS	22	2	0
143C1A0206	RT32022	SWITCHGEAR AND PROTECTION	18	14	0
143C1A0301	RT32031	OPERATIONS RESEARCH	11	0	0
143C1A0301	RT32034	ROBOTICS	15	17	0
143C1A0301	RT32035	HEAT TRANSFER	17	18	0
143C1A0301	RT32037A	REFRIGERATION & AIR CONDITIONING	15	8	0
143C1A0304	RT32031	OPERATIONS RESEARCH	12	19	0
143C1A0304	RT32035	HEAT TRANSFER	27	36	3
143C1A0305	RT32031	OPERATIONS RESEARCH	11	0	0
143C1A0305	RT32035	HEAT TRANSFER	23	0	0
143C1A0307	RT32032	INTERACTIVE COMPUTER GRAPHICS	15	16	0
143C1A0308	RT32031	OPERATIONS RESEARCH	11	42	3
143C1A0310	RT32031	OPERATIONS RESEARCH	11	3	0
143C1A0310	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	30	3
143C1A0310	RT32034	ROBOTICS	19	16	0
143C1A0310	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	18	26	3
143C1A0311	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	8	0
143C1A0311	RT32034	ROBOTICS	17	0	0
143C1A0311	RT32037A	REFRIGERATION & AIR CONDITIONING	18	0	0
143C1A0313	RT32031	OPERATIONS RESEARCH	10	12	0
143C1A0313	RT32035	HEAT TRANSFER	21	7	0
143C1A0314	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	26	3
143C1A0317	RT32031	OPERATIONS RESEARCH	8	0	0
143C1A0317	RT32035	HEAT TRANSFER	15	8	0
143C1A0321	RT32031	OPERATIONS RESEARCH	11	24	0
143C1A0321	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	29	3
143C1A0322	RT32031	OPERATIONS RESEARCH	11	3	0
143C1A0325	RT32031	OPERATIONS RESEARCH	11	0	0
143C1A0325	RT32032	INTERACTIVE COMPUTER GRAPHICS	17	11	0
143C1A0325	RT32035	HEAT TRANSFER	18	0	0
143C1A0326	RT32031	OPERATIONS RESEARCH	11	10	0
143C1A0326	RT32035	HEAT TRANSFER	21	9	0
143C1A0327	RT32037A	REFRIGERATION & AIR CONDITIONING	18	6	0
143C1A0329	RT32031	OPERATIONS RESEARCH	10	25	0
143C1A0329	RT32035	HEAT TRANSFER	20	13	0
143C1A0330	RT32031	OPERATIONS RESEARCH	12	23	0
143C1A0331	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	29	3
143C1A0331	RT32034	ROBOTICS	21	15	0
143C1A0332	RT32031	OPERATIONS RESEARCH	14	0	0
143C1A0332	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	15	0
143C1A0332	RT32033	DESIGN OF MACHINE MEMBERS II	17	0	0
143C1A0332	RT32034	ROBOTICS	16	-1	0
143C1A0332	RT32035	HEAT TRANSFER	19	-1	0

Htno	Subcode	Subname	Internal	External	Credits
143C1A0332	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	4	-1	0
143C1A0333	RT32031	OPERATIONS RESEARCH	13	13	0
143C1A0334	RT32031	OPERATIONS RESEARCH	10	28	0
143C1A0335	RT32034	ROBOTICS	16	0	0
143C1A0336	RT32037A	REFRIGERATION & AIR CONDITIONING	21	24	3
143C1A0338	RT32031	OPERATIONS RESEARCH	16	15	0
143C1A0338	RT32037A	REFRIGERATION & AIR CONDITIONING	17	15	0
143C1A0347	RT32031	OPERATIONS RESEARCH	14	11	0
143C1A0347	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	5	0
143C1A0347	RT32035	HEAT TRANSFER	27	0	0
143C1A0347	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	4	0
143C1A0347	RT32037A	REFRIGERATION & AIR CONDITIONING	15	0	0
143C1A0348	RT32034	ROBOTICS	17	4	0
143C1A0348	RT32035	HEAT TRANSFER	22	0	0
143C1A0348	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	14	21	0
143C1A0348	RT32037A	REFRIGERATION & AIR CONDITIONING	16	0	0
143C1A0349	RT32034	ROBOTICS	20	5	0
143C1A0351	RT32031	OPERATIONS RESEARCH	17	34	3
143C1A0355	RT32031	OPERATIONS RESEARCH	12	28	3
143C1A0355	RT32034	ROBOTICS	14	26	3
143C1A0355	RT32035	HEAT TRANSFER	22	32	3
143C1A0355	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	3	14	0
143C1A0355	RT32037A	REFRIGERATION & AIR CONDITIONING	18	0	0
143C1A0357	RT32031	OPERATIONS RESEARCH	11	15	0
143C1A0358	RT32031	OPERATIONS RESEARCH	13	30	3
143C1A0358	RT32034	ROBOTICS	18	39	3
143C1A0360	RT32031	OPERATIONS RESEARCH	12	3	0
143C1A0360	RT32037A	REFRIGERATION & AIR CONDITIONING	18	8	0
143C1A0362	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	5	0
143C1A0362	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	12	3	0
143C1A0363	RT32031	OPERATIONS RESEARCH	12	25	0
143C1A0363	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	32	3
143C1A0364	RT32037A	REFRIGERATION & AIR CONDITIONING	21	12	0
143C1A0366	RT32031	OPERATIONS RESEARCH	17	33	3
143C1A0370	RT32031	OPERATIONS RESEARCH	15	0	0
143C1A0370	RT32034	ROBOTICS	19	0	0
143C1A0370	RT32037A	REFRIGERATION & AIR CONDITIONING	21	0	0
143C1A0374	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	14	0
143C1A0374	RT32034	ROBOTICS	13	0	0
143C1A0374	RT32035	HEAT TRANSFER	21	20	0
143C1A0375	RT32031	OPERATIONS RESEARCH	20	31	3
143C1A0376	RT32031	OPERATIONS RESEARCH	17	43	3
143C1A0405	RT32043	DIGITAL COMMUNICATIONS	25	0	0
143C1A0409	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	8	0	0
143C1A0409	RT32042	DIGITAL SIGNAL PROCESSING	8	0	0
143C1A0409	RT32043	DIGITAL COMMUNICATIONS	19	0	0
143C1A0409	RT32044	MICROWAVE ENGINEERING	8	4	0
143C1A0409	RT32045A	BIO MEDICAL ENGINEERING	8	3	0
143C1A0410	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	17	0	0
143C1A0410	RT32042	DIGITAL SIGNAL PROCESSING	13	-1	0

Htno	Subcode	Subname	Internal	External	Credits
143C1A0410	RT32043	DIGITAL COMMUNICATIONS	19	0	0
143C1A0410	RT32044	MICROWAVE ENGINEERING	15	0	0
143C1A0410	RT32045A	BIO MEDICAL ENGINEERING	7	0	0
143C1A0410	RT32047	DIGITAL COMMUNICATIONS LAB	0	-1	0
143C1A0413	RT32043	DIGITAL COMMUNICATIONS	21	26	3
143C1A0419	RT32043	DIGITAL COMMUNICATIONS	24	-1	0
143C1A0426	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	19	-1	0
143C1A0426	RT32042	DIGITAL SIGNAL PROCESSING	12	5	0
143C1A0426	RT32043	DIGITAL COMMUNICATIONS	23	5	0
143C1A0426	RT32044	MICROWAVE ENGINEERING	17	5	0
143C1A0426	RT32045A	BIO MEDICAL ENGINEERING	21	9	0
143C1A0437	RT32042	DIGITAL SIGNAL PROCESSING	10	0	0
143C1A0437	RT32043	DIGITAL COMMUNICATIONS	23	0	0
143C1A0437	RT32044	MICROWAVE ENGINEERING	12	0	0
143C1A0437	RT32045A	BIO MEDICAL ENGINEERING	13	12	0
143C1A0441	RT32042	DIGITAL SIGNAL PROCESSING	11	11	0
143C1A0441	RT32043	DIGITAL COMMUNICATIONS	24	10	0
143C1A0441	RT32044	MICROWAVE ENGINEERING	17	34	3
143C1A0442	RT32043	DIGITAL COMMUNICATIONS	27	29	3
143C1A0442	RT32044	MICROWAVE ENGINEERING	19	27	3
143C1A0448	RT32044	MICROWAVE ENGINEERING	27	36	3
143C1A0502	RT32053	COMPUTER NETWORKS	22	24	3
143C1A0502	RT32055	WEB TECHNOLOGIES	22	10	0
143C1A0505	RT32052	DATA WARE HOUSING AND MINING	13	29	3
143C1A0505	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	14	0
143C1A0505	RT32055	WEB TECHNOLOGIES	18	4	0
143C1A0509	RT32055	WEB TECHNOLOGIES	16	8	0
143C1A0513	RT32052	DATA WARE HOUSING AND MINING	18	3	0
143C1A0513	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	22	29	3
143C1A0513	RT32055	WEB TECHNOLOGIES	18	2	0
143C1A0513	RT32056	IPR AND PATENTS	19	36	2
143C1A0514	RT32053	COMPUTER NETWORKS	22	42	3
143C1A0514	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	17	0
143C1A0515	RT32051	SOFTWARE ENGINEERING	8	3	0
143C1A0515	RT32055	WEB TECHNOLOGIES	8	4	0
143C1A0515	RT32056	IPR AND PATENTS	0	33	0
143C1A0516	RT32052	DATA WARE HOUSING AND MINING	18	27	3
143C1A0516	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	50	3
143C1A0516	RT32055	WEB TECHNOLOGIES	19	0	0
143C1A0522	RT32051	SOFTWARE ENGINEERING	4	-1	0
143C1A0522	RT32053	COMPUTER NETWORKS	7	16	0
143C1A0522	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	11	24	0
143C1A0522	RT32055	WEB TECHNOLOGIES	6	0	0
143C1A0528	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	20	11	0
143C1A0528	RT32055	WEB TECHNOLOGIES	20	19	0
143C1A0531	RT32052	DATA WARE HOUSING AND MINING	20	12	0
143C1A0531	RT32055	WEB TECHNOLOGIES	19	28	3
143C1A0533	RT32055	WEB TECHNOLOGIES	20	22	0
143C1A0538	RT32055	WEB TECHNOLOGIES	21	28	3
143C1A0541	RT32055	WEB TECHNOLOGIES	22	26	3

Htno	Subcode	Subname	Internal	External	Credits
143C1A0543	RT32055	WEB TECHNOLOGIES	19	0	0
143C5A0320	RT32031	OPERATIONS RESEARCH	20	12	0
143C5A0402	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	17	3	0
143C5A0402	RT32042	DIGITAL SIGNAL PROCESSING	9	26	0
143C5A0402	RT32043	DIGITAL COMMUNICATIONS	17	2	0
143C5A0402	RT32044	MICROWAVE ENGINEERING	8	0	0
143C5A0412	RT32043	DIGITAL COMMUNICATIONS	15	8	0
143C5A0427	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	16	34	3
143C5A0427	RT32043	DIGITAL COMMUNICATIONS	13	28	3
143C5A0428	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	11	2	0
143C5A0428	RT32042	DIGITAL SIGNAL PROCESSING	15	5	0
143C5A0428	RT32043	DIGITAL COMMUNICATIONS	13	0	0
143C5A0428	RT32044	MICROWAVE ENGINEERING	13	7	0
143C5A0428	RT32045A	BIO MEDICAL ENGINEERING	21	7	0
143C5A0429	RT32043	DIGITAL COMMUNICATIONS	14	18	0
143C5A0435	RT32043	DIGITAL COMMUNICATIONS	15	14	0
143C5A0501	RT32055	WEB TECHNOLOGIES	10	-1	0
143C5A0502	RT32053	COMPUTER NETWORKS	11	3	0
153C1A0101	RT32011	ENVIRONMENTAL ENGINEERING I	19	49	3
153C1A0101	RT32012	GEOTECHNICAL ENGINEERING II	21	42	3
153C1A0101	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	4	0
153C1A0101	RT32014	WATER RESOURCES ENGINEERING I	19	13	0
153C1A0101	RT32015	TRANSPORTATION ENGINEERING II	25	38	3
153C1A0101	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	21	40	3
153C1A0101	RT32017	COMPUTER AIDED ENGINEERING DRAWING	20	55	2
153C1A0101	RT32018	TRANSPORTATION ENGINEERING LAB	20	41	2
153C1A0102	RT32011	ENVIRONMENTAL ENGINEERING I	18	46	3
153C1A0102	RT32012	GEOTECHNICAL ENGINEERING II	19	47	3
153C1A0102	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	17	36	3
153C1A0102	RT32014	WATER RESOURCES ENGINEERING I	24	41	3
153C1A0102	RT32015	TRANSPORTATION ENGINEERING II	25	52	3
153C1A0102	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	21	33	3
153C1A0102	RT32017	COMPUTER AIDED ENGINEERING DRAWING	24	62	2
153C1A0102	RT32018	TRANSPORTATION ENGINEERING LAB	21	42	2
153C1A0103	RT32011	ENVIRONMENTAL ENGINEERING I	8	4	0
153C1A0103	RT32012	GEOTECHNICAL ENGINEERING II	13	0	0
153C1A0103	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	0	0
153C1A0103	RT32014	WATER RESOURCES ENGINEERING I	22	0	0
153C1A0103	RT32015	TRANSPORTATION ENGINEERING II	5	3	0
153C1A0103	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	5	6	0
153C1A0103	RT32017	COMPUTER AIDED ENGINEERING DRAWING	17	30	2
153C1A0103	RT32018	TRANSPORTATION ENGINEERING LAB	15	29	2
153C1A0104	RT32011	ENVIRONMENTAL ENGINEERING I	24	49	3
153C1A0104	RT32012	GEOTECHNICAL ENGINEERING II	21	41	3
153C1A0104	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	28	52	3
153C1A0104	RT32014	WATER RESOURCES ENGINEERING I	27	31	3
153C1A0104	RT32015	TRANSPORTATION ENGINEERING II	29	33	3
153C1A0104	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	22	38	3
153C1A0104	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	67	2
153C1A0104	RT32018	TRANSPORTATION ENGINEERING LAB	22	41	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0105	RT32011	ENVIRONMENTAL ENGINEERING I	26	70	3
153C1A0105	RT32012	GEOTECHNICAL ENGINEERING II	29	47	3
153C1A0105	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	70	3
153C1A0105	RT32014	WATER RESOURCES ENGINEERING I	28	43	3
153C1A0105	RT32015	TRANSPORTATION ENGINEERING II	30	70	3
153C1A0105	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	26	41	3
153C1A0105	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	68	2
153C1A0105	RT32018	TRANSPORTATION ENGINEERING LAB	23	47	2
153C1A0106	RT32011	ENVIRONMENTAL ENGINEERING I	21	37	3
153C1A0106	RT32012	GEOTECHNICAL ENGINEERING II	22	35	3
153C1A0106	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	17	39	3
153C1A0106	RT32014	WATER RESOURCES ENGINEERING I	27	32	3
153C1A0106	RT32015	TRANSPORTATION ENGINEERING II	29	0	0
153C1A0106	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	21	12	0
153C1A0106	RT32017	COMPUTER AIDED ENGINEERING DRAWING	21	55	2
153C1A0106	RT32018	TRANSPORTATION ENGINEERING LAB	19	40	2
153C1A0107	RT32011	ENVIRONMENTAL ENGINEERING I	21	50	3
153C1A0107	RT32012	GEOTECHNICAL ENGINEERING II	19	30	3
153C1A0107	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	19	44	3
153C1A0107	RT32014	WATER RESOURCES ENGINEERING I	24	27	3
153C1A0107	RT32015	TRANSPORTATION ENGINEERING II	19	37	3
153C1A0107	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	19	41	3
153C1A0107	RT32017	COMPUTER AIDED ENGINEERING DRAWING	24	56	2
153C1A0107	RT32018	TRANSPORTATION ENGINEERING LAB	20	38	2
153C1A0108	RT32011	ENVIRONMENTAL ENGINEERING I	27	65	3
153C1A0108	RT32012	GEOTECHNICAL ENGINEERING II	26	26	3
153C1A0108	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	53	3
153C1A0108	RT32014	WATER RESOURCES ENGINEERING I	28	64	3
153C1A0108	RT32015	TRANSPORTATION ENGINEERING II	28	40	3
153C1A0108	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	23	41	3
153C1A0108	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	67	2
153C1A0108	RT32018	TRANSPORTATION ENGINEERING LAB	23	47	2
153C1A0109	RT32011	ENVIRONMENTAL ENGINEERING I	18	30	3
153C1A0109	RT32012	GEOTECHNICAL ENGINEERING II	12	2	0
153C1A0109	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	19	0	0
153C1A0109	RT32014	WATER RESOURCES ENGINEERING I	20	3	0
153C1A0109	RT32015	TRANSPORTATION ENGINEERING II	21	0	0
153C1A0109	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	13	31	3
153C1A0109	RT32017	COMPUTER AIDED ENGINEERING DRAWING	21	40	2
153C1A0109	RT32018	TRANSPORTATION ENGINEERING LAB	18	37	2
153C1A0110	RT32011	ENVIRONMENTAL ENGINEERING I	24	47	3
153C1A0110	RT32012	GEOTECHNICAL ENGINEERING II	27	46	3
153C1A0110	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	25	38	3
153C1A0110	RT32014	WATER RESOURCES ENGINEERING I	29	44	3
153C1A0110	RT32015	TRANSPORTATION ENGINEERING II	30	39	3
153C1A0110	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	25	27	3
153C1A0110	RT32017	COMPUTER AIDED ENGINEERING DRAWING	27	67	2
153C1A0110	RT32018	TRANSPORTATION ENGINEERING LAB	22	45	2
153C1A0111	RT32011	ENVIRONMENTAL ENGINEERING I	20	51	3
153C1A0111	RT32012	GEOTECHNICAL ENGINEERING II	24	56	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0111	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	23	32	3
153C1A0111	RT32014	WATER RESOURCES ENGINEERING I	28	15	0
153C1A0111	RT32015	TRANSPORTATION ENGINEERING II	30	43	3
153C1A0111	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	21	36	3
153C1A0111	RT32017	COMPUTER AIDED ENGINEERING DRAWING	25	55	2
153C1A0111	RT32018	TRANSPORTATION ENGINEERING LAB	22	42	2
153C1A0112	RT32011	ENVIRONMENTAL ENGINEERING I	24	43	3
153C1A0112	RT32012	GEOTECHNICAL ENGINEERING II	21	26	3
153C1A0112	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	24	51	3
153C1A0112	RT32014	WATER RESOURCES ENGINEERING I	25	40	3
153C1A0112	RT32015	TRANSPORTATION ENGINEERING II	29	32	3
153C1A0112	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	24	38	3
153C1A0112	RT32017	COMPUTER AIDED ENGINEERING DRAWING	23	45	2
153C1A0112	RT32018	TRANSPORTATION ENGINEERING LAB	19	40	2
153C1A0113	RT32011	ENVIRONMENTAL ENGINEERING I	19	41	3
153C1A0113	RT32012	GEOTECHNICAL ENGINEERING II	16	26	3
153C1A0113	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	35	3
153C1A0113	RT32014	WATER RESOURCES ENGINEERING I	27	0	0
153C1A0113	RT32015	TRANSPORTATION ENGINEERING II	19	12	0
153C1A0113	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	19	40	3
153C1A0113	RT32017	COMPUTER AIDED ENGINEERING DRAWING	26	55	2
153C1A0113	RT32018	TRANSPORTATION ENGINEERING LAB	16	37	2
153C1A0114	RT32011	ENVIRONMENTAL ENGINEERING I	22	43	3
153C1A0114	RT32012	GEOTECHNICAL ENGINEERING II	21	49	3
153C1A0114	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	22	36	3
153C1A0114	RT32014	WATER RESOURCES ENGINEERING I	25	26	3
153C1A0114	RT32015	TRANSPORTATION ENGINEERING II	22	41	3
153C1A0114	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	20	32	3
153C1A0114	RT32017	COMPUTER AIDED ENGINEERING DRAWING	24	55	2
153C1A0114	RT32018	TRANSPORTATION ENGINEERING LAB	18	34	2
153C1A0115	RT32011	ENVIRONMENTAL ENGINEERING I	19	55	3
153C1A0115	RT32012	GEOTECHNICAL ENGINEERING II	19	59	3
153C1A0115	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	28	3
153C1A0115	RT32014	WATER RESOURCES ENGINEERING I	29	7	0
153C1A0115	RT32015	TRANSPORTATION ENGINEERING II	28	36	3
153C1A0115	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	18	39	3
153C1A0115	RT32017	COMPUTER AIDED ENGINEERING DRAWING	25	57	2
153C1A0115	RT32018	TRANSPORTATION ENGINEERING LAB	19	41	2
153C1A0116	RT32011	ENVIRONMENTAL ENGINEERING I	18	32	3
153C1A0116	RT32012	GEOTECHNICAL ENGINEERING II	16	24	3
153C1A0116	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	19	0
153C1A0116	RT32014	WATER RESOURCES ENGINEERING I	22	24	3
153C1A0116	RT32015	TRANSPORTATION ENGINEERING II	20	27	3
153C1A0116	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	18	40	3
153C1A0116	RT32017	COMPUTER AIDED ENGINEERING DRAWING	20	45	2
153C1A0116	RT32018	TRANSPORTATION ENGINEERING LAB	17	35	2
153C1A0117	RT32011	ENVIRONMENTAL ENGINEERING I	22	39	3
153C1A0117	RT32012	GEOTECHNICAL ENGINEERING II	19	48	3
153C1A0117	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	20	43	3
153C1A0117	RT32014	WATER RESOURCES ENGINEERING I	24	40	3



Htno	Subcode	Subname	Internal	External	Credits
153C1A0117	RT32015	TRANSPORTATION ENGINEERING II	23	41	3
153C1A0117	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	23	37	3
153C1A0117	RT32017	COMPUTER AIDED ENGINEERING DRAWING	22	57	2
153C1A0117	RT32018	TRANSPORTATION ENGINEERING LAB	21	41	2
153C1A0118	RT32011	ENVIRONMENTAL ENGINEERING I	16	34	3
153C1A0118	RT32012	GEOTECHNICAL ENGINEERING II	8	33	3
153C1A0118	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	42	3
153C1A0118	RT32014	WATER RESOURCES ENGINEERING I	21	45	3
153C1A0118	RT32015	TRANSPORTATION ENGINEERING II	20	36	3
153C1A0118	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	18	25	3
153C1A0118	RT32017	COMPUTER AIDED ENGINEERING DRAWING	20	45	2
153C1A0118	RT32018	TRANSPORTATION ENGINEERING LAB	16	29	2
153C1A0119	RT32011	ENVIRONMENTAL ENGINEERING I	26	46	3
153C1A0119	RT32012	GEOTECHNICAL ENGINEERING II	25	60	3
153C1A0119	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	28	3
153C1A0119	RT32014	WATER RESOURCES ENGINEERING I	27	32	3
153C1A0119	RT32015	TRANSPORTATION ENGINEERING II	30	45	3
153C1A0119	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	22	14	0
153C1A0119	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	67	2
153C1A0119	RT32018	TRANSPORTATION ENGINEERING LAB	23	47	2
153C1A0120	RT32011	ENVIRONMENTAL ENGINEERING I	21	32	3
153C1A0120	RT32012	GEOTECHNICAL ENGINEERING II	14	15	0
153C1A0120	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	24	3
153C1A0120	RT32014	WATER RESOURCES ENGINEERING I	21	11	0
153C1A0120	RT32015	TRANSPORTATION ENGINEERING II	19	26	3
153C1A0120	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	20	29	3
153C1A0120	RT32017	COMPUTER AIDED ENGINEERING DRAWING	27	60	2
153C1A0120	RT32018	TRANSPORTATION ENGINEERING LAB	19	39	2
153C1A0121	RT32011	ENVIRONMENTAL ENGINEERING I	25	35	3
153C1A0121	RT32012	GEOTECHNICAL ENGINEERING II	22	40	3
153C1A0121	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	47	3
153C1A0121	RT32014	WATER RESOURCES ENGINEERING I	25	24	3
153C1A0121	RT32015	TRANSPORTATION ENGINEERING II	28	33	3
153C1A0121	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	23	30	3
153C1A0121	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	66	2
153C1A0121	RT32018	TRANSPORTATION ENGINEERING LAB	22	44	2
153C1A0122	RT32011	ENVIRONMENTAL ENGINEERING I	29	44	3
153C1A0122	RT32012	GEOTECHNICAL ENGINEERING II	25	65	3
153C1A0122	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	55	3
153C1A0122	RT32014	WATER RESOURCES ENGINEERING I	29	55	3
153C1A0122	RT32015	TRANSPORTATION ENGINEERING II	30	57	3
153C1A0122	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	24	44	3
153C1A0122	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	66	2
153C1A0122	RT32018	TRANSPORTATION ENGINEERING LAB	20	47	2
153C1A0123	RT32011	ENVIRONMENTAL ENGINEERING I	15	42	3
153C1A0123	RT32012	GEOTECHNICAL ENGINEERING II	16	49	3
153C1A0123	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	21	25	3
153C1A0123	RT32014	WATER RESOURCES ENGINEERING I	27	14	0
153C1A0123	RT32015	TRANSPORTATION ENGINEERING II	28	37	3
153C1A0123	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	16	29	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0123	RT32017	COMPUTER AIDED ENGINEERING DRAWING	23	56	2
153C1A0123	RT32018	TRANSPORTATION ENGINEERING LAB	18	38	2
153C1A0124	RT32011	ENVIRONMENTAL ENGINEERING I	20	50	3
153C1A0124	RT32012	GEOTECHNICAL ENGINEERING II	23	34	3
153C1A0124	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	19	50	3
153C1A0124	RT32014	WATER RESOURCES ENGINEERING I	25	59	3
153C1A0124	RT32015	TRANSPORTATION ENGINEERING II	28	38	3
153C1A0124	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	19	36	3
153C1A0124	RT32017	COMPUTER AIDED ENGINEERING DRAWING	24	56	2
153C1A0124	RT32018	TRANSPORTATION ENGINEERING LAB	18	38	2
153C1A0125	RT32011	ENVIRONMENTAL ENGINEERING I	25	63	3
153C1A0125	RT32012	GEOTECHNICAL ENGINEERING II	25	59	3
153C1A0125	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	70	3
153C1A0125	RT32014	WATER RESOURCES ENGINEERING I	29	66	3
153C1A0125	RT32015	TRANSPORTATION ENGINEERING II	30	60	3
153C1A0125	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	24	41	3
153C1A0125	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	67	2
153C1A0125	RT32018	TRANSPORTATION ENGINEERING LAB	23	46	2
153C1A0127	RT32011	ENVIRONMENTAL ENGINEERING I	20	35	3
153C1A0127	RT32012	GEOTECHNICAL ENGINEERING II	18	47	3
153C1A0127	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	25	37	3
153C1A0127	RT32014	WATER RESOURCES ENGINEERING I	26	51	3
153C1A0127	RT32015	TRANSPORTATION ENGINEERING II	29	35	3
153C1A0127	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	21	26	3
153C1A0127	RT32017	COMPUTER AIDED ENGINEERING DRAWING	20	45	2
153C1A0127	RT32018	TRANSPORTATION ENGINEERING LAB	18	38	2
153C1A0129	RT32011	ENVIRONMENTAL ENGINEERING I	19	41	3
153C1A0129	RT32012	GEOTECHNICAL ENGINEERING II	21	55	3
153C1A0129	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	26	25	3
153C1A0129	RT32014	WATER RESOURCES ENGINEERING I	26	32	3
153C1A0129	RT32015	TRANSPORTATION ENGINEERING II	28	40	3
153C1A0129	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	20	48	3
153C1A0129	RT32017	COMPUTER AIDED ENGINEERING DRAWING	22	50	2
153C1A0129	RT32018	TRANSPORTATION ENGINEERING LAB	19	40	2
153C1A0130	RT32011	ENVIRONMENTAL ENGINEERING I	27	63	3
153C1A0130	RT32012	GEOTECHNICAL ENGINEERING II	26	34	3
153C1A0130	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	66	3
153C1A0130	RT32014	WATER RESOURCES ENGINEERING I	30	70	3
153C1A0130	RT32015	TRANSPORTATION ENGINEERING II	30	55	3
153C1A0130	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	25	35	3
153C1A0130	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	65	2
153C1A0130	RT32018	TRANSPORTATION ENGINEERING LAB	23	47	2
153C1A0131	RT32011	ENVIRONMENTAL ENGINEERING I	20	54	3
153C1A0131	RT32012	GEOTECHNICAL ENGINEERING II	20	45	3
153C1A0131	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	22	51	3
153C1A0131	RT32014	WATER RESOURCES ENGINEERING I	26	56	3
153C1A0131	RT32015	TRANSPORTATION ENGINEERING II	29	35	3
153C1A0131	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	22	37	3
153C1A0131	RT32017	COMPUTER AIDED ENGINEERING DRAWING	23	57	2
153C1A0131	RT32018	TRANSPORTATION ENGINEERING LAB	19	39	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0132	RT32011	ENVIRONMENTAL ENGINEERING I	22	51	3
153C1A0132	RT32012	GEOTECHNICAL ENGINEERING II	25	40	3
153C1A0132	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	21	40	3
153C1A0132	RT32014	WATER RESOURCES ENGINEERING I	26	47	3
153C1A0132	RT32015	TRANSPORTATION ENGINEERING II	29	44	3
153C1A0132	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	24	36	3
153C1A0132	RT32017	COMPUTER AIDED ENGINEERING DRAWING	22	60	2
153C1A0132	RT32018	TRANSPORTATION ENGINEERING LAB	20	42	2
153C1A0133	RT32011	ENVIRONMENTAL ENGINEERING I	18	47	3
153C1A0133	RT32012	GEOTECHNICAL ENGINEERING II	22	48	3
153C1A0133	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	19	25	3
153C1A0133	RT32014	WATER RESOURCES ENGINEERING I	24	32	3
153C1A0133	RT32015	TRANSPORTATION ENGINEERING II	28	43	3
153C1A0133	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	20	37	3
153C1A0133	RT32017	COMPUTER AIDED ENGINEERING DRAWING	24	60	2
153C1A0133	RT32018	TRANSPORTATION ENGINEERING LAB	20	41	2
153C1A0134	RT32011	ENVIRONMENTAL ENGINEERING I	21	32	3
153C1A0134	RT32012	GEOTECHNICAL ENGINEERING II	19	25	3
153C1A0134	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	20	41	3
153C1A0134	RT32014	WATER RESOURCES ENGINEERING I	24	50	3
153C1A0134	RT32015	TRANSPORTATION ENGINEERING II	21	36	3
153C1A0134	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	18	35	3
153C1A0134	RT32017	COMPUTER AIDED ENGINEERING DRAWING	22	57	2
153C1A0134	RT32018	TRANSPORTATION ENGINEERING LAB	19	38	2
153C1A0135	RT32011	ENVIRONMENTAL ENGINEERING I	16	38	3
153C1A0135	RT32012	GEOTECHNICAL ENGINEERING II	16	29	3
153C1A0135	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	28	3
153C1A0135	RT32014	WATER RESOURCES ENGINEERING I	25	18	0
153C1A0135	RT32015	TRANSPORTATION ENGINEERING II	22	24	3
153C1A0135	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	15	31	3
153C1A0135	RT32017	COMPUTER AIDED ENGINEERING DRAWING	23	57	2
153C1A0135	RT32018	TRANSPORTATION ENGINEERING LAB	19	40	2
153C1A0136	RT32011	ENVIRONMENTAL ENGINEERING I	27	44	3
153C1A0136	RT32012	GEOTECHNICAL ENGINEERING II	24	53	3
153C1A0136	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	22	58	3
153C1A0136	RT32014	WATER RESOURCES ENGINEERING I	29	32	3
153C1A0136	RT32015	TRANSPORTATION ENGINEERING II	27	39	3
153C1A0136	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	24	32	3
153C1A0136	RT32017	COMPUTER AIDED ENGINEERING DRAWING	27	65	2
153C1A0136	RT32018	TRANSPORTATION ENGINEERING LAB	22	46	2
153C1A0137	RT32011	ENVIRONMENTAL ENGINEERING I	25	57	3
153C1A0137	RT32012	GEOTECHNICAL ENGINEERING II	24	69	3
153C1A0137	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	41	3
153C1A0137	RT32014	WATER RESOURCES ENGINEERING I	29	56	3
153C1A0137	RT32015	TRANSPORTATION ENGINEERING II	30	46	3
153C1A0137	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	24	37	3
153C1A0137	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	65	2
153C1A0137	RT32018	TRANSPORTATION ENGINEERING LAB	23	46	2
153C1A0138	RT32011	ENVIRONMENTAL ENGINEERING I	23	47	3
153C1A0138	RT32012	GEOTECHNICAL ENGINEERING II	8	33	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0138	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	20	47	3
153C1A0138	RT32014	WATER RESOURCES ENGINEERING I	28	24	3
153C1A0138	RT32015	TRANSPORTATION ENGINEERING II	27	37	3
153C1A0138	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	20	29	3
153C1A0138	RT32017	COMPUTER AIDED ENGINEERING DRAWING	23	57	2
153C1A0138	RT32018	TRANSPORTATION ENGINEERING LAB	18	39	2
153C1A0139	RT32011	ENVIRONMENTAL ENGINEERING I	23	55	3
153C1A0139	RT32012	GEOTECHNICAL ENGINEERING II	18	39	3
153C1A0139	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	0	0
153C1A0139	RT32014	WATER RESOURCES ENGINEERING I	19	10	0
153C1A0139	RT32015	TRANSPORTATION ENGINEERING II	16	52	3
153C1A0139	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	18	32	3
153C1A0139	RT32017	COMPUTER AIDED ENGINEERING DRAWING	24	59	2
153C1A0139	RT32018	TRANSPORTATION ENGINEERING LAB	13	36	2
153C1A0141	RT32011	ENVIRONMENTAL ENGINEERING I	19	40	3
153C1A0141	RT32012	GEOTECHNICAL ENGINEERING II	21	48	3
153C1A0141	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	20	54	3
153C1A0141	RT32014	WATER RESOURCES ENGINEERING I	22	24	3
153C1A0141	RT32015	TRANSPORTATION ENGINEERING II	26	32	3
153C1A0141	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	19	30	3
153C1A0141	RT32017	COMPUTER AIDED ENGINEERING DRAWING	24	62	2
153C1A0141	RT32018	TRANSPORTATION ENGINEERING LAB	20	43	2
153C1A0142	RT32011	ENVIRONMENTAL ENGINEERING I	25	46	3
153C1A0142	RT32012	GEOTECHNICAL ENGINEERING II	27	47	3
153C1A0142	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	40	3
153C1A0142	RT32014	WATER RESOURCES ENGINEERING I	29	24	3
153C1A0142	RT32015	TRANSPORTATION ENGINEERING II	30	39	3
153C1A0142	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	22	41	3
153C1A0142	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	67	2
153C1A0142	RT32018	TRANSPORTATION ENGINEERING LAB	22	42	2
153C1A0143	RT32011	ENVIRONMENTAL ENGINEERING I	27	45	3
153C1A0143	RT32012	GEOTECHNICAL ENGINEERING II	27	35	3
153C1A0143	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	58	3
153C1A0143	RT32014	WATER RESOURCES ENGINEERING I	30	67	3
153C1A0143	RT32015	TRANSPORTATION ENGINEERING II	30	42	3
153C1A0143	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	23	36	3
153C1A0143	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	67	2
153C1A0143	RT32018	TRANSPORTATION ENGINEERING LAB	22	46	2
153C1A0144	RT32011	ENVIRONMENTAL ENGINEERING I	17	49	3
153C1A0144	RT32012	GEOTECHNICAL ENGINEERING II	20	37	3
153C1A0144	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	30	3
153C1A0144	RT32014	WATER RESOURCES ENGINEERING I	29	14	0
153C1A0144	RT32015	TRANSPORTATION ENGINEERING II	22	24	3
153C1A0144	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	18	40	3
153C1A0144	RT32017	COMPUTER AIDED ENGINEERING DRAWING	25	60	2
153C1A0144	RT32018	TRANSPORTATION ENGINEERING LAB	19	40	2
153C1A0145	RT32011	ENVIRONMENTAL ENGINEERING I	19	44	3
153C1A0145	RT32012	GEOTECHNICAL ENGINEERING II	17	56	3
153C1A0145	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	19	44	3
153C1A0145	RT32014	WATER RESOURCES ENGINEERING I	24	25	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0145	RT32015	TRANSPORTATION ENGINEERING II	26	35	3
153C1A0145	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	17	31	3
153C1A0145	RT32017	COMPUTER AIDED ENGINEERING DRAWING	25	58	2
153C1A0145	RT32018	TRANSPORTATION ENGINEERING LAB	17	39	2
153C1A0146	RT32011	ENVIRONMENTAL ENGINEERING I	21	47	3
153C1A0146	RT32012	GEOTECHNICAL ENGINEERING II	20	43	3
153C1A0146	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	22	16	0
153C1A0146	RT32014	WATER RESOURCES ENGINEERING I	26	11	0
153C1A0146	RT32015	TRANSPORTATION ENGINEERING II	25	35	3
153C1A0146	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	22	39	3
153C1A0146	RT32017	COMPUTER AIDED ENGINEERING DRAWING	22	57	2
153C1A0146	RT32018	TRANSPORTATION ENGINEERING LAB	19	40	2
153C1A0147	RT32011	ENVIRONMENTAL ENGINEERING I	23	60	3
153C1A0147	RT32012	GEOTECHNICAL ENGINEERING II	22	40	3
153C1A0147	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	25	57	3
153C1A0147	RT32014	WATER RESOURCES ENGINEERING I	25	70	3
153C1A0147	RT32015	TRANSPORTATION ENGINEERING II	26	40	3
153C1A0147	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	22	40	3
153C1A0147	RT32017	COMPUTER AIDED ENGINEERING DRAWING	23	57	2
153C1A0147	RT32018	TRANSPORTATION ENGINEERING LAB	21	42	2
153C1A0149	RT32011	ENVIRONMENTAL ENGINEERING I	11	36	3
153C1A0149	RT32012	GEOTECHNICAL ENGINEERING II	10	6	0
153C1A0149	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	3	0
153C1A0149	RT32014	WATER RESOURCES ENGINEERING I	18	0	0
153C1A0149	RT32015	TRANSPORTATION ENGINEERING II	22	7	0
153C1A0149	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	14	3	0
153C1A0149	RT32017	COMPUTER AIDED ENGINEERING DRAWING	21	53	2
153C1A0149	RT32018	TRANSPORTATION ENGINEERING LAB	15	29	2
153C1A0150	RT32011	ENVIRONMENTAL ENGINEERING I	17	32	3
153C1A0150	RT32012	GEOTECHNICAL ENGINEERING II	15	36	3
153C1A0150	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	37	3
153C1A0150	RT32014	WATER RESOURCES ENGINEERING I	21	24	3
153C1A0150	RT32015	TRANSPORTATION ENGINEERING II	22	12	0
153C1A0150	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	17	14	0
153C1A0150	RT32017	COMPUTER AIDED ENGINEERING DRAWING	21	57	2
153C1A0150	RT32018	TRANSPORTATION ENGINEERING LAB	18	39	2
153C1A0151	RT32011	ENVIRONMENTAL ENGINEERING I	26	51	3
153C1A0151	RT32012	GEOTECHNICAL ENGINEERING II	26	60	3
153C1A0151	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	36	3
153C1A0151	RT32014	WATER RESOURCES ENGINEERING I	28	58	3
153C1A0151	RT32015	TRANSPORTATION ENGINEERING II	30	59	3
153C1A0151	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	26	37	3
153C1A0151	RT32017	COMPUTER AIDED ENGINEERING DRAWING	27	67	2
153C1A0151	RT32018	TRANSPORTATION ENGINEERING LAB	23	46	2
153C1A0153	RT32011	ENVIRONMENTAL ENGINEERING I	15	40	3
153C1A0153	RT32012	GEOTECHNICAL ENGINEERING II	18	24	3
153C1A0153	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	17	29	3
153C1A0153	RT32014	WATER RESOURCES ENGINEERING I	20	66	3
153C1A0153	RT32015	TRANSPORTATION ENGINEERING II	19	14	0
153C1A0153	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	18	32	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0153	RT32017	COMPUTER AIDED ENGINEERING DRAWING	19	53	2
153C1A0153	RT32018	TRANSPORTATION ENGINEERING LAB	16	34	2
153C1A0154	RT32011	ENVIRONMENTAL ENGINEERING I	16	48	3
153C1A0154	RT32012	GEOTECHNICAL ENGINEERING II	16	37	3
153C1A0154	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	22	35	3
153C1A0154	RT32014	WATER RESOURCES ENGINEERING I	22	14	0
153C1A0154	RT32015	TRANSPORTATION ENGINEERING II	14	4	0
153C1A0154	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	20	30	3
153C1A0154	RT32017	COMPUTER AIDED ENGINEERING DRAWING	19	53	2
153C1A0154	RT32018	TRANSPORTATION ENGINEERING LAB	16	33	2
153C1A0202	RT32021	MICROPROCESSORS & MICROCONTROLLERS	20	10	0
153C1A0202	RT32022	SWITCHGEAR AND PROTECTION	17	27	3
153C1A0202	RT32023	UTILIZATION OF ELECTRICAL ENERGY	21	13	0
153C1A0202	RT32024	POWER SYSTEM ANALYSIS	18	17	0
153C1A0202	RT32025	MANAGEMENT SCIENCE	21	36	3
153C1A0202	RT32026	POWER SEMICONDUCTOR DRIVES	11	5	0
153C1A0202	RT32027	POWER ELECTRONICS LAB	22	42	2
153C1A0202	RT32028	ELECTRICAL MEASUREMENTS LAB	23	45	2
153C1A0203	RT32021	MICROPROCESSORS & MICROCONTROLLERS	23	24	3
153C1A0203	RT32022	SWITCHGEAR AND PROTECTION	23	8	0
153C1A0203	RT32023	UTILIZATION OF ELECTRICAL ENERGY	17	32	3
153C1A0203	RT32024	POWER SYSTEM ANALYSIS	20	25	3
153C1A0203	RT32025	MANAGEMENT SCIENCE	25	32	3
153C1A0203	RT32026	POWER SEMICONDUCTOR DRIVES	20	24	3
153C1A0203	RT32027	POWER ELECTRONICS LAB	24	44	2
153C1A0203	RT32028	ELECTRICAL MEASUREMENTS LAB	23	45	2
153C1A0301	RT32031	OPERATIONS RESEARCH	24	41	3
153C1A0301	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	29	3
153C1A0301	RT32033	DESIGN OF MACHINE MEMBERS II	23	38	3
153C1A0301	RT32034	ROBOTICS	24	24	3
153C1A0301	RT32035	HEAT TRANSFER	28	29	3
153C1A0301	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	26	29	3
153C1A0301	RT32037A	REFRIGERATION & AIR CONDITIONING	24	32	3
153C1A0301	RT32038	HEAT TRANSFER LAB	23	46	2
153C1A0302	RT32031	OPERATIONS RESEARCH	23	33	3
153C1A0302	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	48	3
153C1A0302	RT32033	DESIGN OF MACHINE MEMBERS II	28	51	3
153C1A0302	RT32034	ROBOTICS	25	46	3
153C1A0302	RT32035	HEAT TRANSFER	29	46	3
153C1A0302	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	27	37	3
153C1A0302	RT32037A	REFRIGERATION & AIR CONDITIONING	24	42	3
153C1A0302	RT32038	HEAT TRANSFER LAB	24	49	2
153C1A0303	RT32031	OPERATIONS RESEARCH	9	31	3
153C1A0303	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	25	3
153C1A0303	RT32033	DESIGN OF MACHINE MEMBERS II	19	33	3
153C1A0303	RT32034	ROBOTICS	14	26	3
153C1A0303	RT32035	HEAT TRANSFER	22	9	0
153C1A0303	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	19	18	0
153C1A0303	RT32037A	REFRIGERATION & AIR CONDITIONING	19	24	3
153C1A0303	RT32038	HEAT TRANSFER LAB	20	42	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0304	RT32031	OPERATIONS RESEARCH	15	17	0
153C1A0304	RT32032	INTERACTIVE COMPUTER GRAPHICS	28	27	3
153C1A0304	RT32033	DESIGN OF MACHINE MEMBERS II	23	27	3
153C1A0304	RT32034	ROBOTICS	17	26	3
153C1A0304	RT32035	HEAT TRANSFER	19	42	3
153C1A0304	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	22	25	3
153C1A0304	RT32037A	REFRIGERATION & AIR CONDITIONING	20	27	3
153C1A0304	RT32038	HEAT TRANSFER LAB	22	45	2
153C1A0305	RT32031	OPERATIONS RESEARCH	22	37	3
153C1A0305	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	32	3
153C1A0305	RT32033	DESIGN OF MACHINE MEMBERS II	27	46	3
153C1A0305	RT32034	ROBOTICS	25	-1	0
153C1A0305	RT32035	HEAT TRANSFER	26	33	3
153C1A0305	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	46	3
153C1A0305	RT32037A	REFRIGERATION & AIR CONDITIONING	25	25	3
153C1A0305	RT32038	HEAT TRANSFER LAB	24	48	2
153C1A0307	RT32031	OPERATIONS RESEARCH	11	14	0
153C1A0307	RT32032	INTERACTIVE COMPUTER GRAPHICS	14	36	3
153C1A0307	RT32033	DESIGN OF MACHINE MEMBERS II	19	46	3
153C1A0307	RT32034	ROBOTICS	7	16	0
153C1A0307	RT32035	HEAT TRANSFER	19	13	0
153C1A0307	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	22	17	0
153C1A0307	RT32037A	REFRIGERATION & AIR CONDITIONING	13	7	0
153C1A0307	RT32038	HEAT TRANSFER LAB	23	44	2
153C1A0308	RT32031	OPERATIONS RESEARCH	13	32	3
153C1A0308	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	24	3
153C1A0308	RT32033	DESIGN OF MACHINE MEMBERS II	19	16	0
153C1A0308	RT32034	ROBOTICS	15	25	3
153C1A0308	RT32035	HEAT TRANSFER	20	11	0
153C1A0308	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	19	0
153C1A0308	RT32037A	REFRIGERATION & AIR CONDITIONING	21	12	0
153C1A0308	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0309	RT32031	OPERATIONS RESEARCH	12	30	3
153C1A0309	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	39	3
153C1A0309	RT32033	DESIGN OF MACHINE MEMBERS II	28	33	3
153C1A0309	RT32034	ROBOTICS	16	26	3
153C1A0309	RT32035	HEAT TRANSFER	24	38	3
153C1A0309	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	37	3
153C1A0309	RT32037A	REFRIGERATION & AIR CONDITIONING	22	5	0
153C1A0309	RT32038	HEAT TRANSFER LAB	22	45	2
153C1A0310	RT32031	OPERATIONS RESEARCH	12	32	3
153C1A0310	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	27	3
153C1A0310	RT32033	DESIGN OF MACHINE MEMBERS II	22	35	3
153C1A0310	RT32034	ROBOTICS	17	14	0
153C1A0310	RT32035	HEAT TRANSFER	21	28	3
153C1A0310	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	20	33	3
153C1A0310	RT32037A	REFRIGERATION & AIR CONDITIONING	22	29	3
153C1A0310	RT32038	HEAT TRANSFER LAB	22	45	2
153C1A0311	RT32031	OPERATIONS RESEARCH	11	10	0
153C1A0311	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	40	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0311	RT32033	DESIGN OF MACHINE MEMBERS II	25	26	3
153C1A0311	RT32034	ROBOTICS	17	27	3
153C1A0311	RT32035	HEAT TRANSFER	20	34	3
153C1A0311	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	27	3
153C1A0311	RT32037A	REFRIGERATION & AIR CONDITIONING	22	9	0
153C1A0311	RT32038	HEAT TRANSFER LAB	23	46	2
153C1A0312	RT32031	OPERATIONS RESEARCH	13	32	3
153C1A0312	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	30	3
153C1A0312	RT32033	DESIGN OF MACHINE MEMBERS II	26	24	3
153C1A0312	RT32034	ROBOTICS	23	30	3
153C1A0312	RT32035	HEAT TRANSFER	24	13	0
153C1A0312	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	25	3
153C1A0312	RT32037A	REFRIGERATION & AIR CONDITIONING	19	16	0
153C1A0312	RT32038	HEAT TRANSFER LAB	23	46	2
153C1A0313	RT32031	OPERATIONS RESEARCH	13	0	0
153C1A0313	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	7	0
153C1A0313	RT32033	DESIGN OF MACHINE MEMBERS II	21	10	0
153C1A0313	RT32034	ROBOTICS	16	10	0
153C1A0313	RT32035	HEAT TRANSFER	19	0	0
153C1A0313	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	18	22	0
153C1A0313	RT32037A	REFRIGERATION & AIR CONDITIONING	16	15	0
153C1A0313	RT32038	HEAT TRANSFER LAB	21	45	2
153C1A0315	RT32031	OPERATIONS RESEARCH	20	34	3
153C1A0315	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	29	3
153C1A0315	RT32033	DESIGN OF MACHINE MEMBERS II	21	39	3
153C1A0315	RT32034	ROBOTICS	20	34	3
153C1A0315	RT32035	HEAT TRANSFER	23	34	3
153C1A0315	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	16	31	3
153C1A0315	RT32037A	REFRIGERATION & AIR CONDITIONING	22	24	3
153C1A0315	RT32038	HEAT TRANSFER LAB	22	45	2
153C1A0316	RT32031	OPERATIONS RESEARCH	14	6	0
153C1A0316	RT32032	INTERACTIVE COMPUTER GRAPHICS	8	32	3
153C1A0316	RT32033	DESIGN OF MACHINE MEMBERS II	24	47	3
153C1A0316	RT32034	ROBOTICS	19	24	3
153C1A0316	RT32035	HEAT TRANSFER	24	24	3
153C1A0316	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	18	31	3
153C1A0316	RT32037A	REFRIGERATION & AIR CONDITIONING	16	3	0
153C1A0316	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0317	RT32031	OPERATIONS RESEARCH	17	30	3
153C1A0317	RT32032	INTERACTIVE COMPUTER GRAPHICS	17	31	3
153C1A0317	RT32033	DESIGN OF MACHINE MEMBERS II	26	12	0
153C1A0317	RT32034	ROBOTICS	21	37	3
153C1A0317	RT32035	HEAT TRANSFER	23	24	3
153C1A0317	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	14	0
153C1A0317	RT32037A	REFRIGERATION & AIR CONDITIONING	20	16	0
153C1A0317	RT32038	HEAT TRANSFER LAB	23	46	2
153C1A0318	RT32031	OPERATIONS RESEARCH	18	30	3
153C1A0318	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	5	0
153C1A0318	RT32033	DESIGN OF MACHINE MEMBERS II	26	30	3
153C1A0318	RT32034	ROBOTICS	16	13	0



Htno	Subcode	Subname	Internal	External	Credits
153C1A0318	RT32035	HEAT TRANSFER	22	17	0
153C1A0318	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	20	28	3
153C1A0318	RT32037A	REFRIGERATION & AIR CONDITIONING	20	12	0
153C1A0318	RT32038	HEAT TRANSFER LAB	22	45	2
153C1A0319	RT32031	OPERATIONS RESEARCH	15	43	3
153C1A0319	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	34	3
153C1A0319	RT32033	DESIGN OF MACHINE MEMBERS II	24	33	3
153C1A0319	RT32034	ROBOTICS	20	24	3
153C1A0319	RT32035	HEAT TRANSFER	28	45	3
153C1A0319	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	42	3
153C1A0319	RT32037A	REFRIGERATION & AIR CONDITIONING	22	34	3
153C1A0319	RT32038	HEAT TRANSFER LAB	23	47	2
153C1A0320	RT32031	OPERATIONS RESEARCH	16	24	3
153C1A0320	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	4	0
153C1A0320	RT32033	DESIGN OF MACHINE MEMBERS II	20	41	3
153C1A0320	RT32034	ROBOTICS	15	31	3
153C1A0320	RT32035	HEAT TRANSFER	21	7	0
153C1A0320	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	18	36	3
153C1A0320	RT32037A	REFRIGERATION & AIR CONDITIONING	20	28	3
153C1A0320	RT32038	HEAT TRANSFER LAB	20	42	2
153C1A0321	RT32031	OPERATIONS RESEARCH	5	0	0
153C1A0321	RT32032	INTERACTIVE COMPUTER GRAPHICS	7	9	0
153C1A0321	RT32033	DESIGN OF MACHINE MEMBERS II	18	8	0
153C1A0321	RT32034	ROBOTICS	8	22	0
153C1A0321	RT32035	HEAT TRANSFER	17	0	0
153C1A0321	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	7	9	0
153C1A0321	RT32037A	REFRIGERATION & AIR CONDITIONING	10	0	0
153C1A0321	RT32038	HEAT TRANSFER LAB	18	35	2
153C1A0322	RT32031	OPERATIONS RESEARCH	14	13	0
153C1A0322	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	35	3
153C1A0322	RT32033	DESIGN OF MACHINE MEMBERS II	19	31	3
153C1A0322	RT32034	ROBOTICS	14	26	3
153C1A0322	RT32035	HEAT TRANSFER	21	55	3
153C1A0322	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	22	54	3
153C1A0322	RT32037A	REFRIGERATION & AIR CONDITIONING	23	6	0
153C1A0322	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0323	RT32031	OPERATIONS RESEARCH	10	25	0
153C1A0323	RT32032	INTERACTIVE COMPUTER GRAPHICS	9	2	0
153C1A0323	RT32033	DESIGN OF MACHINE MEMBERS II	16	24	3
153C1A0323	RT32034	ROBOTICS	12	8	0
153C1A0323	RT32035	HEAT TRANSFER	12	14	0
153C1A0323	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	17	24	3
153C1A0323	RT32037A	REFRIGERATION & AIR CONDITIONING	18	25	3
153C1A0323	RT32038	HEAT TRANSFER LAB	20	40	2
153C1A0324	RT32031	OPERATIONS RESEARCH	19	9	0
153C1A0324	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	16	0
153C1A0324	RT32033	DESIGN OF MACHINE MEMBERS II	22	20	0
153C1A0324	RT32034	ROBOTICS	20	24	3
153C1A0324	RT32035	HEAT TRANSFER	21	6	0
153C1A0324	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	19	18	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0324	RT32037A	REFRIGERATION & AIR CONDITIONING	20	2	0
153C1A0324	RT32038	HEAT TRANSFER LAB	22	45	2
153C1A0325	RT32031	OPERATIONS RESEARCH	15	7	0
153C1A0325	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	26	3
153C1A0325	RT32033	DESIGN OF MACHINE MEMBERS II	18	0	0
153C1A0325	RT32034	ROBOTICS	14	9	0
153C1A0325	RT32035	HEAT TRANSFER	17	0	0
153C1A0325	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	18	7	0
153C1A0325	RT32037A	REFRIGERATION & AIR CONDITIONING	15	0	0
153C1A0325	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0326	RT32031	OPERATIONS RESEARCH	16	24	3
153C1A0326	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	39	3
153C1A0326	RT32033	DESIGN OF MACHINE MEMBERS II	25	34	3
153C1A0326	RT32034	ROBOTICS	22	36	3
153C1A0326	RT32035	HEAT TRANSFER	21	19	0
153C1A0326	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	39	3
153C1A0326	RT32037A	REFRIGERATION & AIR CONDITIONING	15	31	3
153C1A0326	RT32038	HEAT TRANSFER LAB	20	42	2
153C1A0327	RT32031	OPERATIONS RESEARCH	13	34	3
153C1A0327	RT32032	INTERACTIVE COMPUTER GRAPHICS	15	9	0
153C1A0327	RT32033	DESIGN OF MACHINE MEMBERS II	20	16	0
153C1A0327	RT32034	ROBOTICS	8	15	0
153C1A0327	RT32035	HEAT TRANSFER	16	0	0
153C1A0327	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	18	14	0
153C1A0327	RT32037A	REFRIGERATION & AIR CONDITIONING	19	26	3
153C1A0327	RT32038	HEAT TRANSFER LAB	21	45	2
153C1A0328	RT32031	OPERATIONS RESEARCH	14	17	0
153C1A0328	RT32032	INTERACTIVE COMPUTER GRAPHICS	14	39	3
153C1A0328	RT32033	DESIGN OF MACHINE MEMBERS II	18	38	3
153C1A0328	RT32034	ROBOTICS	9	9	0
153C1A0328	RT32035	HEAT TRANSFER	20	24	3
153C1A0328	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	18	33	3
153C1A0328	RT32037A	REFRIGERATION & AIR CONDITIONING	9	14	0
153C1A0328	RT32038	HEAT TRANSFER LAB	22	45	2
153C1A0329	RT32031	OPERATIONS RESEARCH	12	41	3
153C1A0329	RT32032	INTERACTIVE COMPUTER GRAPHICS	13	16	0
153C1A0329	RT32033	DESIGN OF MACHINE MEMBERS II	16	8	0
153C1A0329	RT32034	ROBOTICS	5	39	3
153C1A0329	RT32035	HEAT TRANSFER	12	0	0
153C1A0329	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	16	24	3
153C1A0329	RT32037A	REFRIGERATION & AIR CONDITIONING	17	17	0
153C1A0329	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0330	RT32031	OPERATIONS RESEARCH	15	15	0
153C1A0330	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	45	3
153C1A0330	RT32033	DESIGN OF MACHINE MEMBERS II	26	33	3
153C1A0330	RT32034	ROBOTICS	20	13	0
153C1A0330	RT32035	HEAT TRANSFER	25	40	3
153C1A0330	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	30	3
153C1A0330	RT32037A	REFRIGERATION & AIR CONDITIONING	18	36	3
153C1A0330	RT32038	HEAT TRANSFER LAB	23	46	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0331	RT32031	OPERATIONS RESEARCH	19	43	3
153C1A0331	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	26	3
153C1A0331	RT32033	DESIGN OF MACHINE MEMBERS II	24	37	3
153C1A0331	RT32034	ROBOTICS	21	24	3
153C1A0331	RT32035	HEAT TRANSFER	24	30	3
153C1A0331	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	26	3
153C1A0331	RT32037A	REFRIGERATION & AIR CONDITIONING	21	24	3
153C1A0331	RT32038	HEAT TRANSFER LAB	23	46	2
153C1A0332	RT32031	OPERATIONS RESEARCH	26	33	3
153C1A0332	RT32032	INTERACTIVE COMPUTER GRAPHICS	27	44	3
153C1A0332	RT32033	DESIGN OF MACHINE MEMBERS II	23	44	3
153C1A0332	RT32034	ROBOTICS	22	26	3
153C1A0332	RT32035	HEAT TRANSFER	27	24	3
153C1A0332	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	31	3
153C1A0332	RT32037A	REFRIGERATION & AIR CONDITIONING	23	45	3
153C1A0332	RT32038	HEAT TRANSFER LAB	24	49	2
153C1A0333	RT32031	OPERATIONS RESEARCH	16	24	3
153C1A0333	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	15	0
153C1A0333	RT32033	DESIGN OF MACHINE MEMBERS II	24	15	0
153C1A0333	RT32034	ROBOTICS	18	24	3
153C1A0333	RT32035	HEAT TRANSFER	19	9	0
153C1A0333	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	13	0
153C1A0333	RT32037A	REFRIGERATION & AIR CONDITIONING	21	27	3
153C1A0333	RT32038	HEAT TRANSFER LAB	23	45	2
153C1A0334	RT32031	OPERATIONS RESEARCH	14	31	3
153C1A0334	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	34	3
153C1A0334	RT32033	DESIGN OF MACHINE MEMBERS II	26	30	3
153C1A0334	RT32034	ROBOTICS	23	13	0
153C1A0334	RT32035	HEAT TRANSFER	23	43	3
153C1A0334	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	40	3
153C1A0334	RT32037A	REFRIGERATION & AIR CONDITIONING	21	27	3
153C1A0334	RT32038	HEAT TRANSFER LAB	23	45	2
153C1A0335	RT32031	OPERATIONS RESEARCH	19	36	3
153C1A0335	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	29	3
153C1A0335	RT32033	DESIGN OF MACHINE MEMBERS II	21	8	0
153C1A0335	RT32034	ROBOTICS	15	15	0
153C1A0335	RT32035	HEAT TRANSFER	20	28	3
153C1A0335	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	24	3
153C1A0335	RT32037A	REFRIGERATION & AIR CONDITIONING	18	26	3
153C1A0335	RT32038	HEAT TRANSFER LAB	23	45	2
153C1A0336	RT32031	OPERATIONS RESEARCH	24	31	3
153C1A0336	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	45	3
153C1A0336	RT32033	DESIGN OF MACHINE MEMBERS II	27	34	3
153C1A0336	RT32034	ROBOTICS	21	31	3
153C1A0336	RT32035	HEAT TRANSFER	26	17	0
153C1A0336	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	41	3
153C1A0336	RT32037A	REFRIGERATION & AIR CONDITIONING	21	30	3
153C1A0336	RT32038	HEAT TRANSFER LAB	24	48	2
153C1A0337	RT32031	OPERATIONS RESEARCH	19	14	0
153C1A0337	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	16	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0337	RT32033	DESIGN OF MACHINE MEMBERS II	27	15	0
153C1A0337	RT32034	ROBOTICS	15	15	0
153C1A0337	RT32035	HEAT TRANSFER	17	7	0
153C1A0337	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	14	0
153C1A0337	RT32037A	REFRIGERATION & AIR CONDITIONING	21	8	0
153C1A0337	RT32038	HEAT TRANSFER LAB	22	46	2
153C1A0338	RT32031	OPERATIONS RESEARCH	18	29	3
153C1A0338	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	43	3
153C1A0338	RT32033	DESIGN OF MACHINE MEMBERS II	22	33	3
153C1A0338	RT32034	ROBOTICS	19	10	0
153C1A0338	RT32035	HEAT TRANSFER	21	11	0
153C1A0338	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	39	3
153C1A0338	RT32037A	REFRIGERATION & AIR CONDITIONING	19	41	3
153C1A0338	RT32038	HEAT TRANSFER LAB	23	45	2
153C1A0339	RT32031	OPERATIONS RESEARCH	12	46	3
153C1A0339	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	25	3
153C1A0339	RT32033	DESIGN OF MACHINE MEMBERS II	26	24	3
153C1A0339	RT32034	ROBOTICS	19	10	0
153C1A0339	RT32035	HEAT TRANSFER	22	28	3
153C1A0339	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	24	3
153C1A0339	RT32037A	REFRIGERATION & AIR CONDITIONING	21	0	0
153C1A0339	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0340	RT32031	OPERATIONS RESEARCH	18	30	3
153C1A0340	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	40	3
153C1A0340	RT32033	DESIGN OF MACHINE MEMBERS II	20	36	3
153C1A0340	RT32034	ROBOTICS	19	25	3
153C1A0340	RT32035	HEAT TRANSFER	27	17	0
153C1A0340	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	39	3
153C1A0340	RT32037A	REFRIGERATION & AIR CONDITIONING	21	31	3
153C1A0340	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0341	RT32031	OPERATIONS RESEARCH	21	26	3
153C1A0341	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	26	3
153C1A0341	RT32033	DESIGN OF MACHINE MEMBERS II	23	9	0
153C1A0341	RT32034	ROBOTICS	18	38	3
153C1A0341	RT32035	HEAT TRANSFER	22	19	0
153C1A0341	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	16	0
153C1A0341	RT32037A	REFRIGERATION & AIR CONDITIONING	19	24	3
153C1A0341	RT32038	HEAT TRANSFER LAB	23	45	2
153C1A0342	RT32031	OPERATIONS RESEARCH	26	42	3
153C1A0342	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	30	3
153C1A0342	RT32033	DESIGN OF MACHINE MEMBERS II	24	30	3
153C1A0342	RT32034	ROBOTICS	22	33	3
153C1A0342	RT32035	HEAT TRANSFER	28	49	3
153C1A0342	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	45	3
153C1A0342	RT32037A	REFRIGERATION & AIR CONDITIONING	24	44	3
153C1A0342	RT32038	HEAT TRANSFER LAB	24	48	2
153C1A0343	RT32031	OPERATIONS RESEARCH	23	51	3
153C1A0343	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	32	3
153C1A0343	RT32033	DESIGN OF MACHINE MEMBERS II	24	31	3
153C1A0343	RT32034	ROBOTICS	18	9	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0343	RT32035	HEAT TRANSFER	22	31	3
153C1A0343	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	20	38	3
153C1A0343	RT32037A	REFRIGERATION & AIR CONDITIONING	18	42	3
153C1A0343	RT32038	HEAT TRANSFER LAB	23	45	2
153C1A0344	RT32031	OPERATIONS RESEARCH	19	18	0
153C1A0344	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	43	3
153C1A0344	RT32033	DESIGN OF MACHINE MEMBERS II	23	53	3
153C1A0344	RT32034	ROBOTICS	23	25	3
153C1A0344	RT32035	HEAT TRANSFER	21	24	3
153C1A0344	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	30	3
153C1A0344	RT32037A	REFRIGERATION & AIR CONDITIONING	22	30	3
153C1A0344	RT32038	HEAT TRANSFER LAB	21	44	2
153C1A0345	RT32031	OPERATIONS RESEARCH	15	36	3
153C1A0345	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	27	3
153C1A0345	RT32033	DESIGN OF MACHINE MEMBERS II	24	31	3
153C1A0345	RT32034	ROBOTICS	19	38	3
153C1A0345	RT32035	HEAT TRANSFER	22	17	0
153C1A0345	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	24	3
153C1A0345	RT32037A	REFRIGERATION & AIR CONDITIONING	21	8	0
153C1A0345	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0346	RT32031	OPERATIONS RESEARCH	11	12	0
153C1A0346	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	39	3
153C1A0346	RT32033	DESIGN OF MACHINE MEMBERS II	25	29	3
153C1A0346	RT32034	ROBOTICS	15	4	0
153C1A0346	RT32035	HEAT TRANSFER	20	43	3
153C1A0346	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	12	33	3
153C1A0346	RT32037A	REFRIGERATION & AIR CONDITIONING	23	14	0
153C1A0346	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0347	RT32031	OPERATIONS RESEARCH	15	39	3
153C1A0347	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	24	3
153C1A0347	RT32033	DESIGN OF MACHINE MEMBERS II	22	30	3
153C1A0347	RT32034	ROBOTICS	13	10	0
153C1A0347	RT32035	HEAT TRANSFER	17	29	3
153C1A0347	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	32	3
153C1A0347	RT32037A	REFRIGERATION & AIR CONDITIONING	20	35	3
153C1A0347	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0348	RT32031	OPERATIONS RESEARCH	23	31	3
153C1A0348	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	46	3
153C1A0348	RT32033	DESIGN OF MACHINE MEMBERS II	27	49	3
153C1A0348	RT32034	ROBOTICS	22	32	3
153C1A0348	RT32035	HEAT TRANSFER	28	48	3
153C1A0348	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	38	3
153C1A0348	RT32037A	REFRIGERATION & AIR CONDITIONING	24	49	3
153C1A0348	RT32038	HEAT TRANSFER LAB	24	49	2
153C1A0349	RT32031	OPERATIONS RESEARCH	5	11	0
153C1A0349	RT32032	INTERACTIVE COMPUTER GRAPHICS	5	15	0
153C1A0349	RT32033	DESIGN OF MACHINE MEMBERS II	5	6	0
153C1A0349	RT32034	ROBOTICS	5	6	0
153C1A0349	RT32035	HEAT TRANSFER	9	0	0
153C1A0349	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	10	0	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0349	RT32037A	REFRIGERATION & AIR CONDITIONING	8	0	0
153C1A0349	RT32038	HEAT TRANSFER LAB	18	35	2
153C1A0350	RT32031	OPERATIONS RESEARCH	18	28	3
153C1A0350	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	11	0
153C1A0350	RT32033	DESIGN OF MACHINE MEMBERS II	25	32	3
153C1A0350	RT32034	ROBOTICS	20	16	0
153C1A0350	RT32035	HEAT TRANSFER	24	42	3
153C1A0350	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	39	3
153C1A0350	RT32037A	REFRIGERATION & AIR CONDITIONING	22	36	3
153C1A0350	RT32038	HEAT TRANSFER LAB	22	45	2
153C1A0351	RT32031	OPERATIONS RESEARCH	18	37	3
153C1A0351	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	30	3
153C1A0351	RT32033	DESIGN OF MACHINE MEMBERS II	25	31	3
153C1A0351	RT32034	ROBOTICS	23	32	3
153C1A0351	RT32035	HEAT TRANSFER	24	11	0
153C1A0351	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	37	3
153C1A0351	RT32037A	REFRIGERATION & AIR CONDITIONING	19	43	3
153C1A0351	RT32038	HEAT TRANSFER LAB	23	45	2
153C1A0352	RT32031	OPERATIONS RESEARCH	11	0	0
153C1A0352	RT32032	INTERACTIVE COMPUTER GRAPHICS	12	31	3
153C1A0352	RT32033	DESIGN OF MACHINE MEMBERS II	21	24	3
153C1A0352	RT32034	ROBOTICS	13	27	3
153C1A0352	RT32035	HEAT TRANSFER	13	0	0
153C1A0352	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	14	13	0
153C1A0352	RT32037A	REFRIGERATION & AIR CONDITIONING	13	17	0
153C1A0352	RT32038	HEAT TRANSFER LAB	21	44	2
153C1A0353	RT32031	OPERATIONS RESEARCH	24	3	0
153C1A0353	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	11	0
153C1A0353	RT32033	DESIGN OF MACHINE MEMBERS II	22	17	0
153C1A0353	RT32034	ROBOTICS	20	20	0
153C1A0353	RT32035	HEAT TRANSFER	21	8	0
153C1A0353	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	18	9	0
153C1A0353	RT32037A	REFRIGERATION & AIR CONDITIONING	21	11	0
153C1A0353	RT32038	HEAT TRANSFER LAB	21	44	2
153C1A0354	RT32031	OPERATIONS RESEARCH	8	18	0
153C1A0354	RT32032	INTERACTIVE COMPUTER GRAPHICS	6	2	0
153C1A0354	RT32033	DESIGN OF MACHINE MEMBERS II	14	7	0
153C1A0354	RT32034	ROBOTICS	11	0	0
153C1A0354	RT32035	HEAT TRANSFER	13	0	0
153C1A0354	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	10	0	0
153C1A0354	RT32037A	REFRIGERATION & AIR CONDITIONING	13	3	0
153C1A0354	RT32038	HEAT TRANSFER LAB	21	44	2
153C1A0355	RT32031	OPERATIONS RESEARCH	21	53	3
153C1A0355	RT32032	INTERACTIVE COMPUTER GRAPHICS	12	17	0
153C1A0355	RT32033	DESIGN OF MACHINE MEMBERS II	27	33	3
153C1A0355	RT32034	ROBOTICS	16	37	3
153C1A0355	RT32035	HEAT TRANSFER	28	36	3
153C1A0355	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	33	3
153C1A0355	RT32037A	REFRIGERATION & AIR CONDITIONING	19	39	3
153C1A0355	RT32038	HEAT TRANSFER LAB	22	45	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0356	RT32031	OPERATIONS RESEARCH	19	24	3
153C1A0356	RT32032	INTERACTIVE COMPUTER GRAPHICS	15	38	3
153C1A0356	RT32033	DESIGN OF MACHINE MEMBERS II	24	31	3
153C1A0356	RT32034	ROBOTICS	18	29	3
153C1A0356	RT32035	HEAT TRANSFER	21	7	0
153C1A0356	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	38	3
153C1A0356	RT32037A	REFRIGERATION & AIR CONDITIONING	23	34	3
153C1A0356	RT32038	HEAT TRANSFER LAB	21	43	2
153C1A0357	RT32031	OPERATIONS RESEARCH	20	24	3
153C1A0357	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	15	0
153C1A0357	RT32033	DESIGN OF MACHINE MEMBERS II	23	24	3
153C1A0357	RT32034	ROBOTICS	16	25	3
153C1A0357	RT32035	HEAT TRANSFER	25	24	3
153C1A0357	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	19	0
153C1A0357	RT32037A	REFRIGERATION & AIR CONDITIONING	17	2	0
153C1A0357	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0358	RT32031	OPERATIONS RESEARCH	21	34	3
153C1A0358	RT32032	INTERACTIVE COMPUTER GRAPHICS	15	26	3
153C1A0358	RT32033	DESIGN OF MACHINE MEMBERS II	20	27	3
153C1A0358	RT32034	ROBOTICS	16	27	3
153C1A0358	RT32035	HEAT TRANSFER	20	9	0
153C1A0358	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	18	0
153C1A0358	RT32037A	REFRIGERATION & AIR CONDITIONING	16	24	3
153C1A0358	RT32038	HEAT TRANSFER LAB	22	43	2
153C1A0359	RT32031	OPERATIONS RESEARCH	15	33	3
153C1A0359	RT32032	INTERACTIVE COMPUTER GRAPHICS	17	26	3
153C1A0359	RT32033	DESIGN OF MACHINE MEMBERS II	20	33	3
153C1A0359	RT32034	ROBOTICS	18	24	3
153C1A0359	RT32035	HEAT TRANSFER	18	24	3
153C1A0359	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	41	3
153C1A0359	RT32037A	REFRIGERATION & AIR CONDITIONING	19	35	3
153C1A0359	RT32038	HEAT TRANSFER LAB	22	47	2
153C1A0360	RT32031	OPERATIONS RESEARCH	18	46	3
153C1A0360	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	48	3
153C1A0360	RT32033	DESIGN OF MACHINE MEMBERS II	24	50	3
153C1A0360	RT32034	ROBOTICS	23	29	3
153C1A0360	RT32035	HEAT TRANSFER	27	24	3
153C1A0360	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	22	37	3
153C1A0360	RT32037A	REFRIGERATION & AIR CONDITIONING	23	38	3
153C1A0360	RT32038	HEAT TRANSFER LAB	23	49	2
153C1A0361	RT32031	OPERATIONS RESEARCH	11	16	0
153C1A0361	RT32032	INTERACTIVE COMPUTER GRAPHICS	10	14	0
153C1A0361	RT32033	DESIGN OF MACHINE MEMBERS II	20	0	0
153C1A0361	RT32034	ROBOTICS	12	26	0
153C1A0361	RT32035	HEAT TRANSFER	11	0	0
153C1A0361	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	13	13	0
153C1A0361	RT32037A	REFRIGERATION & AIR CONDITIONING	15	0	0
153C1A0361	RT32038	HEAT TRANSFER LAB	18	35	2
153C1A0362	RT32031	OPERATIONS RESEARCH	17	27	3
153C1A0362	RT32032	INTERACTIVE COMPUTER GRAPHICS	17	28	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0362	RT32033	DESIGN OF MACHINE MEMBERS II	20	29	3
153C1A0362	RT32034	ROBOTICS	18	10	0
153C1A0362	RT32035	HEAT TRANSFER	18	24	3
153C1A0362	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	20	0
153C1A0362	RT32037A	REFRIGERATION & AIR CONDITIONING	16	5	0
153C1A0362	RT32038	HEAT TRANSFER LAB	23	46	2
153C1A0363	RT32031	OPERATIONS RESEARCH	11	0	0
153C1A0363	RT32032	INTERACTIVE COMPUTER GRAPHICS	11	0	0
153C1A0363	RT32033	DESIGN OF MACHINE MEMBERS II	14	27	3
153C1A0363	RT32034	ROBOTICS	13	0	0
153C1A0363	RT32035	HEAT TRANSFER	10	0	0
153C1A0363	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	13	3	0
153C1A0363	RT32037A	REFRIGERATION & AIR CONDITIONING	11	0	0
153C1A0363	RT32038	HEAT TRANSFER LAB	20	40	2
153C1A0364	RT32031	OPERATIONS RESEARCH	22	55	3
153C1A0364	RT32032	INTERACTIVE COMPUTER GRAPHICS	14	48	3
153C1A0364	RT32033	DESIGN OF MACHINE MEMBERS II	27	52	3
153C1A0364	RT32034	ROBOTICS	19	34	3
153C1A0364	RT32035	HEAT TRANSFER	27	34	3
153C1A0364	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	38	3
153C1A0364	RT32037A	REFRIGERATION & AIR CONDITIONING	24	41	3
153C1A0364	RT32038	HEAT TRANSFER LAB	23	45	2
153C1A0365	RT32031	OPERATIONS RESEARCH	15	16	0
153C1A0365	RT32032	INTERACTIVE COMPUTER GRAPHICS	15	16	0
153C1A0365	RT32033	DESIGN OF MACHINE MEMBERS II	26	14	0
153C1A0365	RT32034	ROBOTICS	16	26	3
153C1A0365	RT32035	HEAT TRANSFER	23	0	0
153C1A0365	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	20	0
153C1A0365	RT32037A	REFRIGERATION & AIR CONDITIONING	13	11	0
153C1A0365	RT32038	HEAT TRANSFER LAB	22	45	2
153C1A0366	RT32031	OPERATIONS RESEARCH	8	10	0
153C1A0366	RT32032	INTERACTIVE COMPUTER GRAPHICS	10	3	0
153C1A0366	RT32033	DESIGN OF MACHINE MEMBERS II	17	27	3
153C1A0366	RT32034	ROBOTICS	10	10	0
153C1A0366	RT32035	HEAT TRANSFER	18	18	0
153C1A0366	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	14	0	0
153C1A0366	RT32037A	REFRIGERATION & AIR CONDITIONING	13	0	0
153C1A0366	RT32038	HEAT TRANSFER LAB	22	45	2
153C1A0367	RT32031	OPERATIONS RESEARCH	8	2	0
153C1A0367	RT32032	INTERACTIVE COMPUTER GRAPHICS	7	-1	0
153C1A0367	RT32033	DESIGN OF MACHINE MEMBERS II	16	29	3
153C1A0367	RT32034	ROBOTICS	13	0	0
153C1A0367	RT32035	HEAT TRANSFER	16	0	0
153C1A0367	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	19	0	0
153C1A0367	RT32037A	REFRIGERATION & AIR CONDITIONING	13	0	0
153C1A0367	RT32038	HEAT TRANSFER LAB	21	42	2
153C1A0368	RT32031	OPERATIONS RESEARCH	20	30	3
153C1A0368	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	41	3
153C1A0368	RT32033	DESIGN OF MACHINE MEMBERS II	26	50	3
153C1A0368	RT32034	ROBOTICS	19	28	3



Htno	Subcode	Subname	Internal	External	Credits
153C1A0368	RT32035	HEAT TRANSFER	24	12	0
153C1A0368	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	38	3
153C1A0368	RT32037A	REFRIGERATION & AIR CONDITIONING	23	43	3
153C1A0368	RT32038	HEAT TRANSFER LAB	23	48	2
153C1A0369	RT32031	OPERATIONS RESEARCH	6	0	0
153C1A0369	RT32032	INTERACTIVE COMPUTER GRAPHICS	5	3	0
153C1A0369	RT32033	DESIGN OF MACHINE MEMBERS II	15	3	0
153C1A0369	RT32034	ROBOTICS	5	0	0
153C1A0369	RT32035	HEAT TRANSFER	8	0	0
153C1A0369	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	9	0	0
153C1A0369	RT32037A	REFRIGERATION & AIR CONDITIONING	8	0	0
153C1A0369	RT32038	HEAT TRANSFER LAB	18	35	2
153C1A0370	RT32031	OPERATIONS RESEARCH	14	0	0
153C1A0370	RT32032	INTERACTIVE COMPUTER GRAPHICS	12	7	0
153C1A0370	RT32033	DESIGN OF MACHINE MEMBERS II	19	17	0
153C1A0370	RT32034	ROBOTICS	10	0	0
153C1A0370	RT32035	HEAT TRANSFER	21	33	3
153C1A0370	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	5	0
153C1A0370	RT32037A	REFRIGERATION & AIR CONDITIONING	16	0	0
153C1A0370	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0371	RT32031	OPERATIONS RESEARCH	11	41	3
153C1A0371	RT32032	INTERACTIVE COMPUTER GRAPHICS	12	28	3
153C1A0371	RT32033	DESIGN OF MACHINE MEMBERS II	27	26	3
153C1A0371	RT32034	ROBOTICS	19	29	3
153C1A0371	RT32035	HEAT TRANSFER	18	29	3
153C1A0371	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	24	3
153C1A0371	RT32037A	REFRIGERATION & AIR CONDITIONING	22	30	3
153C1A0371	RT32038	HEAT TRANSFER LAB	23	44	2
153C1A0373	RT32031	OPERATIONS RESEARCH	19	30	3
153C1A0373	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	32	3
153C1A0373	RT32033	DESIGN OF MACHINE MEMBERS II	25	40	3
153C1A0373	RT32034	ROBOTICS	16	28	3
153C1A0373	RT32035	HEAT TRANSFER	22	17	0
153C1A0373	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	26	3
153C1A0373	RT32037A	REFRIGERATION & AIR CONDITIONING	20	35	3
153C1A0373	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0374	RT32031	OPERATIONS RESEARCH	15	27	3
153C1A0374	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	25	3
153C1A0374	RT32033	DESIGN OF MACHINE MEMBERS II	29	34	3
153C1A0374	RT32034	ROBOTICS	22	27	3
153C1A0374	RT32035	HEAT TRANSFER	25	34	3
153C1A0374	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	20	24	3
153C1A0374	RT32037A	REFRIGERATION & AIR CONDITIONING	20	31	3
153C1A0374	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0375	RT32031	OPERATIONS RESEARCH	21	24	3
153C1A0375	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	25	3
153C1A0375	RT32033	DESIGN OF MACHINE MEMBERS II	27	29	3
153C1A0375	RT32034	ROBOTICS	20	0	0
153C1A0375	RT32035	HEAT TRANSFER	27	32	3
153C1A0375	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	32	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0375	RT32037A	REFRIGERATION & AIR CONDITIONING	21	18	0
153C1A0375	RT32038	HEAT TRANSFER LAB	22	47	2
153C1A0377	RT32031	OPERATIONS RESEARCH	23	41	3
153C1A0377	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	27	3
153C1A0377	RT32033	DESIGN OF MACHINE MEMBERS II	26	30	3
153C1A0377	RT32034	ROBOTICS	18	29	3
153C1A0377	RT32035	HEAT TRANSFER	25	28	3
153C1A0377	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	17	28	3
153C1A0377	RT32037A	REFRIGERATION & AIR CONDITIONING	17	25	3
153C1A0377	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0378	RT32031	OPERATIONS RESEARCH	20	10	0
153C1A0378	RT32032	INTERACTIVE COMPUTER GRAPHICS	17	37	3
153C1A0378	RT32033	DESIGN OF MACHINE MEMBERS II	19	28	3
153C1A0378	RT32034	ROBOTICS	17	27	3
153C1A0378	RT32035	HEAT TRANSFER	27	34	3
153C1A0378	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	22	37	3
153C1A0378	RT32037A	REFRIGERATION & AIR CONDITIONING	21	27	3
153C1A0378	RT32038	HEAT TRANSFER LAB	22	45	2
153C1A0379	RT32031	OPERATIONS RESEARCH	17	30	3
153C1A0379	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	36	3
153C1A0379	RT32033	DESIGN OF MACHINE MEMBERS II	28	26	3
153C1A0379	RT32034	ROBOTICS	15	38	3
153C1A0379	RT32035	HEAT TRANSFER	24	24	3
153C1A0379	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	27	3
153C1A0379	RT32037A	REFRIGERATION & AIR CONDITIONING	16	24	3
153C1A0379	RT32038	HEAT TRANSFER LAB	22	45	2
153C1A0380	RT32031	OPERATIONS RESEARCH	14	28	3
153C1A0380	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	51	3
153C1A0380	RT32033	DESIGN OF MACHINE MEMBERS II	23	30	3
153C1A0380	RT32034	ROBOTICS	18	26	3
153C1A0380	RT32035	HEAT TRANSFER	19	37	3
153C1A0380	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	39	3
153C1A0380	RT32037A	REFRIGERATION & AIR CONDITIONING	16	32	3
153C1A0380	RT32038	HEAT TRANSFER LAB	22	45	2
153C1A0381	RT32031	OPERATIONS RESEARCH	5	5	0
153C1A0381	RT32032	INTERACTIVE COMPUTER GRAPHICS	11	11	0
153C1A0381	RT32033	DESIGN OF MACHINE MEMBERS II	18	-1	0
153C1A0381	RT32034	ROBOTICS	12	16	0
153C1A0381	RT32035	HEAT TRANSFER	16	-1	0
153C1A0381	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	7	0	0
153C1A0381	RT32037A	REFRIGERATION & AIR CONDITIONING	9	3	0
153C1A0381	RT32038	HEAT TRANSFER LAB	18	35	2
153C1A0382	RT32031	OPERATIONS RESEARCH	7	5	0
153C1A0382	RT32032	INTERACTIVE COMPUTER GRAPHICS	8	33	3
153C1A0382	RT32033	DESIGN OF MACHINE MEMBERS II	15	10	0
153C1A0382	RT32034	ROBOTICS	7	19	0
153C1A0382	RT32035	HEAT TRANSFER	21	7	0
153C1A0382	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	13	7	0
153C1A0382	RT32037A	REFRIGERATION & AIR CONDITIONING	6	18	0
153C1A0382	RT32038	HEAT TRANSFER LAB	18	35	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0383	RT32031	OPERATIONS RESEARCH	16	24	3
153C1A0383	RT32032	INTERACTIVE COMPUTER GRAPHICS	17	27	3
153C1A0383	RT32033	DESIGN OF MACHINE MEMBERS II	23	24	3
153C1A0383	RT32034	ROBOTICS	18	26	3
153C1A0383	RT32035	HEAT TRANSFER	18	0	0
153C1A0383	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	20	15	0
153C1A0383	RT32037A	REFRIGERATION & AIR CONDITIONING	16	6	0
153C1A0383	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0384	RT32031	OPERATIONS RESEARCH	23	31	3
153C1A0384	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	31	3
153C1A0384	RT32033	DESIGN OF MACHINE MEMBERS II	24	31	3
153C1A0384	RT32034	ROBOTICS	18	13	0
153C1A0384	RT32035	HEAT TRANSFER	27	37	3
153C1A0384	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	45	3
153C1A0384	RT32037A	REFRIGERATION & AIR CONDITIONING	16	28	3
153C1A0384	RT32038	HEAT TRANSFER LAB	23	47	2
153C1A0385	RT32031	OPERATIONS RESEARCH	5	28	0
153C1A0385	RT32032	INTERACTIVE COMPUTER GRAPHICS	14	3	0
153C1A0385	RT32033	DESIGN OF MACHINE MEMBERS II	15	5	0
153C1A0385	RT32034	ROBOTICS	11	0	0
153C1A0385	RT32035	HEAT TRANSFER	15	0	0
153C1A0385	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	12	0	0
153C1A0385	RT32037A	REFRIGERATION & AIR CONDITIONING	12	2	0
153C1A0385	RT32038	HEAT TRANSFER LAB	18	35	2
153C1A0386	RT32031	OPERATIONS RESEARCH	12	9	0
153C1A0386	RT32032	INTERACTIVE COMPUTER GRAPHICS	17	34	3
153C1A0386	RT32033	DESIGN OF MACHINE MEMBERS II	25	37	3
153C1A0386	RT32034	ROBOTICS	13	27	3
153C1A0386	RT32035	HEAT TRANSFER	20	24	3
153C1A0386	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	19	44	3
153C1A0386	RT32037A	REFRIGERATION & AIR CONDITIONING	14	26	3
153C1A0386	RT32038	HEAT TRANSFER LAB	21	45	2
153C1A0387	RT32031	OPERATIONS RESEARCH	17	30	3
153C1A0387	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	27	3
153C1A0387	RT32033	DESIGN OF MACHINE MEMBERS II	18	27	3
153C1A0387	RT32034	ROBOTICS	16	26	3
153C1A0387	RT32035	HEAT TRANSFER	19	12	0
153C1A0387	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	17	0
153C1A0387	RT32037A	REFRIGERATION & AIR CONDITIONING	20	3	0
153C1A0387	RT32038	HEAT TRANSFER LAB	21	44	2
153C1A0388	RT32031	OPERATIONS RESEARCH	14	0	0
153C1A0388	RT32032	INTERACTIVE COMPUTER GRAPHICS	12	4	0
153C1A0388	RT32033	DESIGN OF MACHINE MEMBERS II	20	7	0
153C1A0388	RT32034	ROBOTICS	16	7	0
153C1A0388	RT32035	HEAT TRANSFER	19	7	0
153C1A0388	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	20	35	3
153C1A0388	RT32037A	REFRIGERATION & AIR CONDITIONING	22	4	0
153C1A0388	RT32038	HEAT TRANSFER LAB	22	44	2
153C1A0389	RT32031	OPERATIONS RESEARCH	12	26	0
153C1A0389	RT32032	INTERACTIVE COMPUTER GRAPHICS	10	8	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0389	RT32033	DESIGN OF MACHINE MEMBERS II	17	7	0
153C1A0389	RT32034	ROBOTICS	12	4	0
153C1A0389	RT32035	HEAT TRANSFER	11	0	0
153C1A0389	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	5	0
153C1A0389	RT32037A	REFRIGERATION & AIR CONDITIONING	16	3	0
153C1A0389	RT32038	HEAT TRANSFER LAB	20	40	2
153C1A0401	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	25	41	3
153C1A0401	RT32042	DIGITAL SIGNAL PROCESSING	23	39	3
153C1A0401	RT32043	DIGITAL COMMUNICATIONS	29	47	3
153C1A0401	RT32044	MICROWAVE ENGINEERING	26	55	3
153C1A0401	RT32045A	BIO MEDICAL ENGINEERING	23	50	3
153C1A0401	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	43	2
153C1A0401	RT32047	DIGITAL COMMUNICATIONS LAB	25	50	2
153C1A0401	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	44	2
153C1A0401	RT32049	SEMINAR	47	0	1
153C1A0403	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	32	3
153C1A0403	RT32042	DIGITAL SIGNAL PROCESSING	22	38	3
153C1A0403	RT32043	DIGITAL COMMUNICATIONS	26	38	3
153C1A0403	RT32044	MICROWAVE ENGINEERING	26	60	3
153C1A0403	RT32045A	BIO MEDICAL ENGINEERING	23	36	3
153C1A0403	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	42	2
153C1A0403	RT32047	DIGITAL COMMUNICATIONS LAB	24	46	2
153C1A0403	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	39	2
153C1A0403	RT32049	SEMINAR	47	0	1
153C1A0404	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	51	3
153C1A0404	RT32042	DIGITAL SIGNAL PROCESSING	22	14	0
153C1A0404	RT32043	DIGITAL COMMUNICATIONS	25	31	3
153C1A0404	RT32044	MICROWAVE ENGINEERING	23	49	3
153C1A0404	RT32045A	BIO MEDICAL ENGINEERING	18	39	3
153C1A0404	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	46	2
153C1A0404	RT32047	DIGITAL COMMUNICATIONS LAB	24	46	2
153C1A0404	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	40	2
153C1A0404	RT32049	SEMINAR	40	0	1
153C1A0405	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	18	47	3
153C1A0405	RT32042	DIGITAL SIGNAL PROCESSING	19	32	3
153C1A0405	RT32043	DIGITAL COMMUNICATIONS	20	24	3
153C1A0405	RT32044	MICROWAVE ENGINEERING	24	39	3
153C1A0405	RT32045A	BIO MEDICAL ENGINEERING	23	61	3
153C1A0405	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	41	2
153C1A0405	RT32047	DIGITAL COMMUNICATIONS LAB	23	42	2
153C1A0405	RT32048	DIGITAL SIGNAL PROCESSING LAB	19	40	2
153C1A0405	RT32049	SEMINAR	48	0	1
153C1A0406	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	16	6	0
153C1A0406	RT32042	DIGITAL SIGNAL PROCESSING	17	11	0
153C1A0406	RT32043	DIGITAL COMMUNICATIONS	21	5	0
153C1A0406	RT32044	MICROWAVE ENGINEERING	21	37	3
153C1A0406	RT32045A	BIO MEDICAL ENGINEERING	17	0	0
153C1A0406	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	26	2
153C1A0406	RT32047	DIGITAL COMMUNICATIONS LAB	20	28	2
153C1A0406	RT32048	DIGITAL SIGNAL PROCESSING LAB	19	28	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0406	RT32049	SEMINAR	41	0	1
153C1A0407	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	26	41	3
153C1A0407	RT32042	DIGITAL SIGNAL PROCESSING	22	46	3
153C1A0407	RT32043	DIGITAL COMMUNICATIONS	28	40	3
153C1A0407	RT32044	MICROWAVE ENGINEERING	26	62	3
153C1A0407	RT32045A	BIO MEDICAL ENGINEERING	23	38	3
153C1A0407	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
153C1A0407	RT32047	DIGITAL COMMUNICATIONS LAB	22	28	2
153C1A0407	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	39	2
153C1A0407	RT32049	SEMINAR	46	0	1
153C1A0408	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	47	3
153C1A0408	RT32042	DIGITAL SIGNAL PROCESSING	21	14	0
153C1A0408	RT32043	DIGITAL COMMUNICATIONS	24	29	3
153C1A0408	RT32044	MICROWAVE ENGINEERING	22	41	3
153C1A0408	RT32045A	BIO MEDICAL ENGINEERING	19	33	3
153C1A0408	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	41	2
153C1A0408	RT32047	DIGITAL COMMUNICATIONS LAB	23	42	2
153C1A0408	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	40	2
153C1A0408	RT32049	SEMINAR	47	0	1
153C1A0409	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	33	3
153C1A0409	RT32042	DIGITAL SIGNAL PROCESSING	18	26	3
153C1A0409	RT32043	DIGITAL COMMUNICATIONS	25	28	3
153C1A0409	RT32044	MICROWAVE ENGINEERING	27	43	3
153C1A0409	RT32045A	BIO MEDICAL ENGINEERING	22	56	3
153C1A0409	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	41	2
153C1A0409	RT32047	DIGITAL COMMUNICATIONS LAB	24	46	2
153C1A0409	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	44	2
153C1A0409	RT32049	SEMINAR	47	0	1
153C1A0410	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	26	35	3
153C1A0410	RT32042	DIGITAL SIGNAL PROCESSING	20	38	3
153C1A0410	RT32043	DIGITAL COMMUNICATIONS	25	44	3
153C1A0410	RT32044	MICROWAVE ENGINEERING	27	61	3
153C1A0410	RT32045A	BIO MEDICAL ENGINEERING	24	40	3
153C1A0410	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
153C1A0410	RT32047	DIGITAL COMMUNICATIONS LAB	23	46	2
153C1A0410	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	38	2
153C1A0410	RT32049	SEMINAR	47	0	1
153C1A0411	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	50	3
153C1A0411	RT32042	DIGITAL SIGNAL PROCESSING	24	53	3
153C1A0411	RT32043	DIGITAL COMMUNICATIONS	26	54	3
153C1A0411	RT32044	MICROWAVE ENGINEERING	27	54	3
153C1A0411	RT32045A	BIO MEDICAL ENGINEERING	23	33	3
153C1A0411	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
153C1A0411	RT32047	DIGITAL COMMUNICATIONS LAB	25	50	2
153C1A0411	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	48	2
153C1A0411	RT32049	SEMINAR	49	0	1
153C1A0412	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	18	33	3
153C1A0412	RT32042	DIGITAL SIGNAL PROCESSING	17	1	0
153C1A0412	RT32043	DIGITAL COMMUNICATIONS	21	15	0
153C1A0412	RT32044	MICROWAVE ENGINEERING	16	4	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0412	RT32045A	BIO MEDICAL ENGINEERING	15	13	0
153C1A0412	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	40	2
153C1A0412	RT32047	DIGITAL COMMUNICATIONS LAB	22	42	2
153C1A0412	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	38	2
153C1A0412	RT32049	SEMINAR	38	0	1
153C1A0413	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	16	3	0
153C1A0413	RT32042	DIGITAL SIGNAL PROCESSING	16	25	3
153C1A0413	RT32043	DIGITAL COMMUNICATIONS	12	13	0
153C1A0413	RT32044	MICROWAVE ENGINEERING	16	24	3
153C1A0413	RT32045A	BIO MEDICAL ENGINEERING	18	25	3
153C1A0413	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	40	2
153C1A0413	RT32047	DIGITAL COMMUNICATIONS LAB	22	34	2
153C1A0413	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	36	2
153C1A0413	RT32049	SEMINAR	46	0	1
153C1A0414	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	25	3
153C1A0414	RT32042	DIGITAL SIGNAL PROCESSING	20	35	3
153C1A0414	RT32043	DIGITAL COMMUNICATIONS	27	9	0
153C1A0414	RT32044	MICROWAVE ENGINEERING	24	47	3
153C1A0414	RT32045A	BIO MEDICAL ENGINEERING	19	24	3
153C1A0414	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	38	2
153C1A0414	RT32047	DIGITAL COMMUNICATIONS LAB	22	44	2
153C1A0414	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	35	2
153C1A0414	RT32049	SEMINAR	46	0	1
153C1A0415	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	42	3
153C1A0415	RT32042	DIGITAL SIGNAL PROCESSING	21	26	3
153C1A0415	RT32043	DIGITAL COMMUNICATIONS	26	43	3
153C1A0415	RT32044	MICROWAVE ENGINEERING	24	44	3
153C1A0415	RT32045A	BIO MEDICAL ENGINEERING	23	30	3
153C1A0415	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	39	2
153C1A0415	RT32047	DIGITAL COMMUNICATIONS LAB	23	46	2
153C1A0415	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	37	2
153C1A0415	RT32049	SEMINAR	46	0	1
153C1A0416	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	39	3
153C1A0416	RT32042	DIGITAL SIGNAL PROCESSING	19	15	0
153C1A0416	RT32043	DIGITAL COMMUNICATIONS	23	24	3
153C1A0416	RT32044	MICROWAVE ENGINEERING	25	14	0
153C1A0416	RT32045A	BIO MEDICAL ENGINEERING	18	34	3
153C1A0416	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	37	2
153C1A0416	RT32047	DIGITAL COMMUNICATIONS LAB	24	42	2
153C1A0416	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	43	2
153C1A0416	RT32049	SEMINAR	47	0	1
153C1A0417	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	40	3
153C1A0417	RT32042	DIGITAL SIGNAL PROCESSING	19	26	3
153C1A0417	RT32043	DIGITAL COMMUNICATIONS	28	13	0
153C1A0417	RT32044	MICROWAVE ENGINEERING	24	36	3
153C1A0417	RT32045A	BIO MEDICAL ENGINEERING	22	35	3
153C1A0417	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	42	2
153C1A0417	RT32047	DIGITAL COMMUNICATIONS LAB	24	44	2
153C1A0417	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	39	2
153C1A0417	RT32049	SEMINAR	45	0	1

Htno	Subcode	Subname	Internal	External	Credits
153C1A0418	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	19	27	3
153C1A0418	RT32042	DIGITAL SIGNAL PROCESSING	19	26	3
153C1A0418	RT32043	DIGITAL COMMUNICATIONS	29	30	3
153C1A0418	RT32044	MICROWAVE ENGINEERING	22	51	3
153C1A0418	RT32045A	BIO MEDICAL ENGINEERING	21	36	3
153C1A0418	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	30	2
153C1A0418	RT32047	DIGITAL COMMUNICATIONS LAB	23	44	2
153C1A0418	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	30	2
153C1A0418	RT32049	SEMINAR	44	0	1
153C1A0419	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	27	49	3
153C1A0419	RT32042	DIGITAL SIGNAL PROCESSING	25	54	3
153C1A0419	RT32043	DIGITAL COMMUNICATIONS	26	57	3
153C1A0419	RT32044	MICROWAVE ENGINEERING	27	64	3
153C1A0419	RT32045A	BIO MEDICAL ENGINEERING	24	36	3
153C1A0419	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
153C1A0419	RT32047	DIGITAL COMMUNICATIONS LAB	25	50	2
153C1A0419	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	50	2
153C1A0419	RT32049	SEMINAR	49	0	1
153C1A0420	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	26	39	3
153C1A0420	RT32042	DIGITAL SIGNAL PROCESSING	24	29	3
153C1A0420	RT32043	DIGITAL COMMUNICATIONS	25	37	3
153C1A0420	RT32044	MICROWAVE ENGINEERING	25	42	3
153C1A0420	RT32045A	BIO MEDICAL ENGINEERING	20	37	3
153C1A0420	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
153C1A0420	RT32047	DIGITAL COMMUNICATIONS LAB	24	44	2
153C1A0420	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	45	2
153C1A0420	RT32049	SEMINAR	48	0	1
153C1A0421	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	29	3
153C1A0421	RT32042	DIGITAL SIGNAL PROCESSING	23	42	3
153C1A0421	RT32043	DIGITAL COMMUNICATIONS	26	36	3
153C1A0421	RT32044	MICROWAVE ENGINEERING	27	40	3
153C1A0421	RT32045A	BIO MEDICAL ENGINEERING	21	48	3
153C1A0421	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	37	2
153C1A0421	RT32047	DIGITAL COMMUNICATIONS LAB	23	46	2
153C1A0421	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	39	2
153C1A0421	RT32049	SEMINAR	47	0	1
153C1A0423	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	25	3
153C1A0423	RT32042	DIGITAL SIGNAL PROCESSING	21	28	3
153C1A0423	RT32043	DIGITAL COMMUNICATIONS	25	0	0
153C1A0423	RT32044	MICROWAVE ENGINEERING	25	46	3
153C1A0423	RT32045A	BIO MEDICAL ENGINEERING	19	48	3
153C1A0423	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	35	2
153C1A0423	RT32047	DIGITAL COMMUNICATIONS LAB	23	44	2
153C1A0423	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	40	2
153C1A0423	RT32049	SEMINAR	46	0	1
153C1A0424	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	27	3
153C1A0424	RT32042	DIGITAL SIGNAL PROCESSING	23	42	3
153C1A0424	RT32043	DIGITAL COMMUNICATIONS	26	45	3
153C1A0424	RT32044	MICROWAVE ENGINEERING	25	60	3
153C1A0424	RT32045A	BIO MEDICAL ENGINEERING	23	33	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0424	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	42	2
153C1A0424	RT32047	DIGITAL COMMUNICATIONS LAB	25	48	2
153C1A0424	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	49	2
153C1A0424	RT32049	SEMINAR	47	0	1
153C1A0425	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	19	45	3
153C1A0425	RT32042	DIGITAL SIGNAL PROCESSING	18	24	3
153C1A0425	RT32043	DIGITAL COMMUNICATIONS	24	32	3
153C1A0425	RT32044	MICROWAVE ENGINEERING	23	27	3
153C1A0425	RT32045A	BIO MEDICAL ENGINEERING	20	29	3
153C1A0425	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	37	2
153C1A0425	RT32047	DIGITAL COMMUNICATIONS LAB	23	44	2
153C1A0425	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	46	2
153C1A0425	RT32049	SEMINAR	46	0	1
153C1A0426	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	21	33	3
153C1A0426	RT32042	DIGITAL SIGNAL PROCESSING	19	37	3
153C1A0426	RT32043	DIGITAL COMMUNICATIONS	22	28	3
153C1A0426	RT32044	MICROWAVE ENGINEERING	24	30	3
153C1A0426	RT32045A	BIO MEDICAL ENGINEERING	18	48	3
153C1A0426	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	37	2
153C1A0426	RT32047	DIGITAL COMMUNICATIONS LAB	24	46	2
153C1A0426	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	49	2
153C1A0426	RT32049	SEMINAR	47	0	1
153C1A0427	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	21	26	3
153C1A0427	RT32042	DIGITAL SIGNAL PROCESSING	19	26	3
153C1A0427	RT32043	DIGITAL COMMUNICATIONS	25	36	3
153C1A0427	RT32044	MICROWAVE ENGINEERING	25	37	3
153C1A0427	RT32045A	BIO MEDICAL ENGINEERING	20	34	3
153C1A0427	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	35	2
153C1A0427	RT32047	DIGITAL COMMUNICATIONS LAB	23	46	2
153C1A0427	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	40	2
153C1A0427	RT32049	SEMINAR	46	0	1
153C1A0428	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	34	3
153C1A0428	RT32042	DIGITAL SIGNAL PROCESSING	20	42	3
153C1A0428	RT32043	DIGITAL COMMUNICATIONS	24	53	3
153C1A0428	RT32044	MICROWAVE ENGINEERING	25	50	3
153C1A0428	RT32045A	BIO MEDICAL ENGINEERING	23	33	3
153C1A0428	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
153C1A0428	RT32047	DIGITAL COMMUNICATIONS LAB	24	46	2
153C1A0428	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	26	2
153C1A0428	RT32049	SEMINAR	48	0	1
153C1A0429	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	41	3
153C1A0429	RT32042	DIGITAL SIGNAL PROCESSING	17	39	3
153C1A0429	RT32043	DIGITAL COMMUNICATIONS	26	39	3
153C1A0429	RT32044	MICROWAVE ENGINEERING	24	39	3
153C1A0429	RT32045A	BIO MEDICAL ENGINEERING	19	33	3
153C1A0429	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	36	2
153C1A0429	RT32047	DIGITAL COMMUNICATIONS LAB	24	28	2
153C1A0429	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	45	2
153C1A0429	RT32049	SEMINAR	47	0	1
153C1A0430	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	18	20	0



Htno	Subcode	Subname	Internal	External	Credits
153C1A0430	RT32042	DIGITAL SIGNAL PROCESSING	18	16	0
153C1A0430	RT32043	DIGITAL COMMUNICATIONS	22	24	3
153C1A0430	RT32044	MICROWAVE ENGINEERING	17	27	3
153C1A0430	RT32045A	BIO MEDICAL ENGINEERING	19	49	3
153C1A0430	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	28	2
153C1A0430	RT32047	DIGITAL COMMUNICATIONS LAB	22	40	2
153C1A0430	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	30	2
153C1A0430	RT32049	SEMINAR	38	0	1
153C1A0431	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	18	24	3
153C1A0431	RT32042	DIGITAL SIGNAL PROCESSING	19	17	0
153C1A0431	RT32043	DIGITAL COMMUNICATIONS	18	8	0
153C1A0431	RT32044	MICROWAVE ENGINEERING	21	33	3
153C1A0431	RT32045A	BIO MEDICAL ENGINEERING	19	24	3
153C1A0431	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	42	2
153C1A0431	RT32047	DIGITAL COMMUNICATIONS LAB	21	34	2
153C1A0431	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	43	2
153C1A0431	RT32049	SEMINAR	44	0	1
153C1A0432	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	11	0
153C1A0432	RT32042	DIGITAL SIGNAL PROCESSING	23	25	3
153C1A0432	RT32043	DIGITAL COMMUNICATIONS	20	14	0
153C1A0432	RT32044	MICROWAVE ENGINEERING	21	30	3
153C1A0432	RT32045A	BIO MEDICAL ENGINEERING	16	18	0
153C1A0432	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	16	27	2
153C1A0432	RT32047	DIGITAL COMMUNICATIONS LAB	10	-1	0
153C1A0432	RT32048	DIGITAL SIGNAL PROCESSING LAB	14	32	2
153C1A0432	RT32049	SEMINAR	38	0	1
153C1A0433	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	27	32	3
153C1A0433	RT32042	DIGITAL SIGNAL PROCESSING	20	42	3
153C1A0433	RT32043	DIGITAL COMMUNICATIONS	26	44	3
153C1A0433	RT32044	MICROWAVE ENGINEERING	25	43	3
153C1A0433	RT32045A	BIO MEDICAL ENGINEERING	26	37	3
153C1A0433	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	42	2
153C1A0433	RT32047	DIGITAL COMMUNICATIONS LAB	24	28	2
153C1A0433	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	39	2
153C1A0433	RT32049	SEMINAR	47	0	1
153C1A0434	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	19	29	3
153C1A0434	RT32042	DIGITAL SIGNAL PROCESSING	18	36	3
153C1A0434	RT32043	DIGITAL COMMUNICATIONS	25	28	3
153C1A0434	RT32044	MICROWAVE ENGINEERING	23	29	3
153C1A0434	RT32045A	BIO MEDICAL ENGINEERING	23	44	3
153C1A0434	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	47	2
153C1A0434	RT32047	DIGITAL COMMUNICATIONS LAB	24	46	2
153C1A0434	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	40	2
153C1A0434	RT32049	SEMINAR	47	0	1
153C1A0435	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	40	3
153C1A0435	RT32042	DIGITAL SIGNAL PROCESSING	22	29	3
153C1A0435	RT32043	DIGITAL COMMUNICATIONS	25	37	3
153C1A0435	RT32044	MICROWAVE ENGINEERING	25	37	3
153C1A0435	RT32045A	BIO MEDICAL ENGINEERING	24	41	3
153C1A0435	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	47	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0435	RT32047	DIGITAL COMMUNICATIONS LAB	25	48	2
153C1A0435	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	40	2
153C1A0435	RT32049	SEMINAR	47	0	1
153C1A0436	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	17	0
153C1A0436	RT32042	DIGITAL SIGNAL PROCESSING	20	18	0
153C1A0436	RT32043	DIGITAL COMMUNICATIONS	22	33	3
153C1A0436	RT32044	MICROWAVE ENGINEERING	22	59	3
153C1A0436	RT32045A	BIO MEDICAL ENGINEERING	24	33	3
153C1A0436	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	27	2
153C1A0436	RT32047	DIGITAL COMMUNICATIONS LAB	22	34	2
153C1A0436	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	41	2
153C1A0436	RT32049	SEMINAR	45	0	1
153C1A0437	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	15	17	0
153C1A0437	RT32042	DIGITAL SIGNAL PROCESSING	18	18	0
153C1A0437	RT32043	DIGITAL COMMUNICATIONS	21	0	0
153C1A0437	RT32044	MICROWAVE ENGINEERING	18	10	0
153C1A0437	RT32045A	BIO MEDICAL ENGINEERING	14	4	0
153C1A0437	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	28	2
153C1A0437	RT32047	DIGITAL COMMUNICATIONS LAB	21	40	2
153C1A0437	RT32048	DIGITAL SIGNAL PROCESSING LAB	20	33	2
153C1A0437	RT32049	SEMINAR	43	0	1
153C1A0438	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	16	14	0
153C1A0438	RT32042	DIGITAL SIGNAL PROCESSING	18	12	0
153C1A0438	RT32043	DIGITAL COMMUNICATIONS	15	10	0
153C1A0438	RT32044	MICROWAVE ENGINEERING	11	29	3
153C1A0438	RT32045A	BIO MEDICAL ENGINEERING	16	15	0
153C1A0438	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	41	2
153C1A0438	RT32047	DIGITAL COMMUNICATIONS LAB	20	39	2
153C1A0438	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	32	2
153C1A0438	RT32049	SEMINAR	43	0	1
153C1A0440	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	37	3
153C1A0440	RT32042	DIGITAL SIGNAL PROCESSING	18	34	3
153C1A0440	RT32043	DIGITAL COMMUNICATIONS	27	55	3
153C1A0440	RT32044	MICROWAVE ENGINEERING	27	45	3
153C1A0440	RT32045A	BIO MEDICAL ENGINEERING	19	34	3
153C1A0440	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
153C1A0440	RT32047	DIGITAL COMMUNICATIONS LAB	24	45	2
153C1A0440	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	41	2
153C1A0440	RT32049	SEMINAR	46	0	1
153C1A0441	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	14	0
153C1A0441	RT32042	DIGITAL SIGNAL PROCESSING	18	17	0
153C1A0441	RT32043	DIGITAL COMMUNICATIONS	26	24	3
153C1A0441	RT32044	MICROWAVE ENGINEERING	21	30	3
153C1A0441	RT32045A	BIO MEDICAL ENGINEERING	17	30	3
153C1A0441	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	40	2
153C1A0441	RT32047	DIGITAL COMMUNICATIONS LAB	20	41	2
153C1A0441	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	36	2
153C1A0441	RT32049	SEMINAR	45	0	1
153C1A0442	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	34	3
153C1A0442	RT32042	DIGITAL SIGNAL PROCESSING	22	27	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0442	RT32043	DIGITAL COMMUNICATIONS	27	46	3
153C1A0442	RT32044	MICROWAVE ENGINEERING	24	25	3
153C1A0442	RT32045A	BIO MEDICAL ENGINEERING	22	36	3
153C1A0442	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	41	2
153C1A0442	RT32047	DIGITAL COMMUNICATIONS LAB	23	44	2
153C1A0442	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	37	2
153C1A0442	RT32049	SEMINAR	47	0	1
153C1A0443	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	47	3
153C1A0443	RT32042	DIGITAL SIGNAL PROCESSING	27	41	3
153C1A0443	RT32043	DIGITAL COMMUNICATIONS	27	37	3
153C1A0443	RT32044	MICROWAVE ENGINEERING	26	42	3
153C1A0443	RT32045A	BIO MEDICAL ENGINEERING	23	48	3
153C1A0443	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
153C1A0443	RT32047	DIGITAL COMMUNICATIONS LAB	25	50	2
153C1A0443	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	50	2
153C1A0443	RT32049	SEMINAR	49	0	1
153C1A0501	RT32051	SOFTWARE ENGINEERING	16	13	0
153C1A0501	RT32052	DATA WARE HOUSING AND MINING	17	3	0
153C1A0501	RT32053	COMPUTER NETWORKS	12	11	0
153C1A0501	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	15	22	0
153C1A0501	RT32055	WEB TECHNOLOGIES	14	2	0
153C1A0501	RT32056	IPR AND PATENTS	13	14	0
153C1A0501	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	21	35	2
153C1A0501	RT32058	SOFTWARE ENGINEERING LAB	18	45	2
153C1A0501	RT32059	WEB TECHNOLOGIES LAB	20	40	2
153C1A0502	RT32051	SOFTWARE ENGINEERING	27	59	3
153C1A0502	RT32052	DATA WARE HOUSING AND MINING	27	32	3
153C1A0502	RT32053	COMPUTER NETWORKS	27	41	3
153C1A0502	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	29	44	3
153C1A0502	RT32055	WEB TECHNOLOGIES	29	31	3
153C1A0502	RT32056	IPR AND PATENTS	25	46	2
153C1A0502	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	25	48	2
153C1A0502	RT32058	SOFTWARE ENGINEERING LAB	25	49	2
153C1A0502	RT32059	WEB TECHNOLOGIES LAB	25	50	2
153C1A0503	RT32051	SOFTWARE ENGINEERING	22	0	0
153C1A0503	RT32052	DATA WARE HOUSING AND MINING	23	6	0
153C1A0503	RT32053	COMPUTER NETWORKS	24	28	3
153C1A0503	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	31	3
153C1A0503	RT32055	WEB TECHNOLOGIES	24	24	3
153C1A0503	RT32056	IPR AND PATENTS	21	33	2
153C1A0503	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	20	43	2
153C1A0503	RT32058	SOFTWARE ENGINEERING LAB	21	48	2
153C1A0503	RT32059	WEB TECHNOLOGIES LAB	22	45	2
153C1A0504	RT32051	SOFTWARE ENGINEERING	21	26	3
153C1A0504	RT32052	DATA WARE HOUSING AND MINING	16	12	0
153C1A0504	RT32053	COMPUTER NETWORKS	17	5	0
153C1A0504	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	18	9	0
153C1A0504	RT32055	WEB TECHNOLOGIES	16	-1	0
153C1A0504	RT32056	IPR AND PATENTS	11	5	0
153C1A0504	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	18	-1	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0504	RT32058	SOFTWARE ENGINEERING LAB	20	46	2
153C1A0504	RT32059	WEB TECHNOLOGIES LAB	17	28	2
153C1A0505	RT32051	SOFTWARE ENGINEERING	25	40	3
153C1A0505	RT32052	DATA WARE HOUSING AND MINING	21	33	3
153C1A0505	RT32053	COMPUTER NETWORKS	24	33	3
153C1A0505	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	22	32	3
153C1A0505	RT32055	WEB TECHNOLOGIES	17	33	3
153C1A0505	RT32056	IPR AND PATENTS	20	37	2
153C1A0505	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	24	44	2
153C1A0505	RT32058	SOFTWARE ENGINEERING LAB	21	47	2
153C1A0505	RT32059	WEB TECHNOLOGIES LAB	24	44	2
153C1A0506	RT32051	SOFTWARE ENGINEERING	21	7	0
153C1A0506	RT32052	DATA WARE HOUSING AND MINING	13	16	0
153C1A0506	RT32053	COMPUTER NETWORKS	19	24	3
153C1A0506	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	20	38	3
153C1A0506	RT32055	WEB TECHNOLOGIES	15	14	0
153C1A0506	RT32056	IPR AND PATENTS	15	35	2
153C1A0506	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	21	38	2
153C1A0506	RT32058	SOFTWARE ENGINEERING LAB	20	46	2
153C1A0506	RT32059	WEB TECHNOLOGIES LAB	21	40	2
153C1A0507	RT32051	SOFTWARE ENGINEERING	24	44	3
153C1A0507	RT32052	DATA WARE HOUSING AND MINING	27	44	3
153C1A0507	RT32053	COMPUTER NETWORKS	24	24	3
153C1A0507	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	45	3
153C1A0507	RT32055	WEB TECHNOLOGIES	25	32	3
153C1A0507	RT32056	IPR AND PATENTS	21	50	2
153C1A0507	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	23	45	2
153C1A0507	RT32058	SOFTWARE ENGINEERING LAB	23	48	2
153C1A0507	RT32059	WEB TECHNOLOGIES LAB	24	48	2
153C1A0509	RT32051	SOFTWARE ENGINEERING	20	26	3
153C1A0509	RT32052	DATA WARE HOUSING AND MINING	18	28	3
153C1A0509	RT32053	COMPUTER NETWORKS	20	14	0
153C1A0509	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	31	3
153C1A0509	RT32055	WEB TECHNOLOGIES	19	24	3
153C1A0509	RT32056	IPR AND PATENTS	18	37	2
153C1A0509	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	24	45	2
153C1A0509	RT32058	SOFTWARE ENGINEERING LAB	22	48	2
153C1A0509	RT32059	WEB TECHNOLOGIES LAB	23	44	2
153C1A0510	RT32051	SOFTWARE ENGINEERING	23	42	3
153C1A0510	RT32052	DATA WARE HOUSING AND MINING	25	15	0
153C1A0510	RT32053	COMPUTER NETWORKS	26	29	3
153C1A0510	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	32	3
153C1A0510	RT32055	WEB TECHNOLOGIES	27	30	3
153C1A0510	RT32056	IPR AND PATENTS	21	49	2
153C1A0510	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	24	46	2
153C1A0510	RT32058	SOFTWARE ENGINEERING LAB	23	49	2
153C1A0510	RT32059	WEB TECHNOLOGIES LAB	23	45	2
153C1A0511	RT32051	SOFTWARE ENGINEERING	22	28	3
153C1A0511	RT32052	DATA WARE HOUSING AND MINING	17	11	0
153C1A0511	RT32053	COMPUTER NETWORKS	21	24	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0511	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	31	3
153C1A0511	RT32055	WEB TECHNOLOGIES	18	12	0
153C1A0511	RT32056	IPR AND PATENTS	18	16	0
153C1A0511	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	24	46	2
153C1A0511	RT32058	SOFTWARE ENGINEERING LAB	22	48	2
153C1A0511	RT32059	WEB TECHNOLOGIES LAB	22	45	2
153C1A0512	RT32051	SOFTWARE ENGINEERING	16	5	0
153C1A0512	RT32052	DATA WARE HOUSING AND MINING	22	2	0
153C1A0512	RT32053	COMPUTER NETWORKS	16	3	0
153C1A0512	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	19	16	0
153C1A0512	RT32055	WEB TECHNOLOGIES	16	6	0
153C1A0512	RT32056	IPR AND PATENTS	15	15	0
153C1A0512	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	20	34	2
153C1A0512	RT32058	SOFTWARE ENGINEERING LAB	20	47	2
153C1A0512	RT32059	WEB TECHNOLOGIES LAB	22	40	2
153C1A0513	RT32051	SOFTWARE ENGINEERING	23	25	3
153C1A0513	RT32052	DATA WARE HOUSING AND MINING	27	26	3
153C1A0513	RT32053	COMPUTER NETWORKS	25	24	3
153C1A0513	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	37	3
153C1A0513	RT32055	WEB TECHNOLOGIES	24	10	0
153C1A0513	RT32056	IPR AND PATENTS	22	27	2
153C1A0513	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	25	47	2
153C1A0513	RT32058	SOFTWARE ENGINEERING LAB	23	49	2
153C1A0513	RT32059	WEB TECHNOLOGIES LAB	24	48	2
153C1A0514	RT32051	SOFTWARE ENGINEERING	25	35	3
153C1A0514	RT32052	DATA WARE HOUSING AND MINING	22	26	3
153C1A0514	RT32053	COMPUTER NETWORKS	26	28	3
153C1A0514	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	22	32	3
153C1A0514	RT32055	WEB TECHNOLOGIES	25	31	3
153C1A0514	RT32056	IPR AND PATENTS	19	47	2
153C1A0514	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	23	46	2
153C1A0514	RT32058	SOFTWARE ENGINEERING LAB	22	48	2
153C1A0514	RT32059	WEB TECHNOLOGIES LAB	23	46	2
153C1A0516	RT32051	SOFTWARE ENGINEERING	23	15	0
153C1A0516	RT32052	DATA WARE HOUSING AND MINING	24	25	3
153C1A0516	RT32053	COMPUTER NETWORKS	24	29	3
153C1A0516	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	37	3
153C1A0516	RT32055	WEB TECHNOLOGIES	22	28	3
153C1A0516	RT32056	IPR AND PATENTS	20	40	2
153C1A0516	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	24	45	2
153C1A0516	RT32058	SOFTWARE ENGINEERING LAB	22	49	2
153C1A0516	RT32059	WEB TECHNOLOGIES LAB	24	46	2
153C1A0517	RT32051	SOFTWARE ENGINEERING	20	24	3
153C1A0517	RT32052	DATA WARE HOUSING AND MINING	15	21	0
153C1A0517	RT32053	COMPUTER NETWORKS	16	12	0
153C1A0517	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	17	27	3
153C1A0517	RT32055	WEB TECHNOLOGIES	10	18	0
153C1A0517	RT32056	IPR AND PATENTS	16	24	2
153C1A0517	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	22	38	2
153C1A0517	RT32058	SOFTWARE ENGINEERING LAB	20	46	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0517	RT32059	WEB TECHNOLOGIES LAB	20	37	2
153C1A0518	RT32051	SOFTWARE ENGINEERING	22	18	0
153C1A0518	RT32052	DATA WARE HOUSING AND MINING	17	24	3
153C1A0518	RT32053	COMPUTER NETWORKS	14	11	0
153C1A0518	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	16	24	3
153C1A0518	RT32055	WEB TECHNOLOGIES	15	17	0
153C1A0518	RT32056	IPR AND PATENTS	18	36	2
153C1A0518	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	22	42	2
153C1A0518	RT32058	SOFTWARE ENGINEERING LAB	20	47	2
153C1A0518	RT32059	WEB TECHNOLOGIES LAB	22	40	2
153C1A0520	RT32051	SOFTWARE ENGINEERING	21	30	3
153C1A0520	RT32052	DATA WARE HOUSING AND MINING	17	25	3
153C1A0520	RT32053	COMPUTER NETWORKS	20	28	3
153C1A0520	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	24	3
153C1A0520	RT32055	WEB TECHNOLOGIES	18	26	3
153C1A0520	RT32056	IPR AND PATENTS	18	35	2
153C1A0520	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	21	41	2
153C1A0520	RT32058	SOFTWARE ENGINEERING LAB	20	46	2
153C1A0520	RT32059	WEB TECHNOLOGIES LAB	21	40	2
153C1A0521	RT32051	SOFTWARE ENGINEERING	28	42	3
153C1A0521	RT32052	DATA WARE HOUSING AND MINING	24	30	3
153C1A0521	RT32053	COMPUTER NETWORKS	25	38	3
153C1A0521	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	28	49	3
153C1A0521	RT32055	WEB TECHNOLOGIES	22	24	3
153C1A0521	RT32056	IPR AND PATENTS	24	44	2
153C1A0521	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	25	48	2
153C1A0521	RT32058	SOFTWARE ENGINEERING LAB	25	49	2
153C1A0521	RT32059	WEB TECHNOLOGIES LAB	25	50	2
153C1A0522	RT32051	SOFTWARE ENGINEERING	26	45	3
153C1A0522	RT32052	DATA WARE HOUSING AND MINING	25	56	3
153C1A0522	RT32053	COMPUTER NETWORKS	27	28	3
153C1A0522	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	29	44	3
153C1A0522	RT32055	WEB TECHNOLOGIES	29	39	3
153C1A0522	RT32056	IPR AND PATENTS	26	52	2
153C1A0522	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	25	48	2
153C1A0522	RT32058	SOFTWARE ENGINEERING LAB	25	49	2
153C1A0522	RT32059	WEB TECHNOLOGIES LAB	25	50	2
153C1A0523	RT32051	SOFTWARE ENGINEERING	19	29	3
153C1A0523	RT32052	DATA WARE HOUSING AND MINING	18	29	3
153C1A0523	RT32053	COMPUTER NETWORKS	19	32	3
153C1A0523	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	17	31	3
153C1A0523	RT32055	WEB TECHNOLOGIES	13	30	3
153C1A0523	RT32056	IPR AND PATENTS	18	42	2
153C1A0523	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	21	36	2
153C1A0523	RT32058	SOFTWARE ENGINEERING LAB	19	45	2
153C1A0523	RT32059	WEB TECHNOLOGIES LAB	22	40	2
153C1A0524	RT32051	SOFTWARE ENGINEERING	22	31	3
153C1A0524	RT32052	DATA WARE HOUSING AND MINING	16	15	0
153C1A0524	RT32053	COMPUTER NETWORKS	17	27	3
153C1A0524	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	16	11	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0524	RT32055	WEB TECHNOLOGIES	11	16	0
153C1A0524	RT32056	IPR AND PATENTS	18	30	2
153C1A0524	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	21	40	2
153C1A0524	RT32058	SOFTWARE ENGINEERING LAB	23	48	2
153C1A0524	RT32059	WEB TECHNOLOGIES LAB	20	35	2
153C1A0525	RT32051	SOFTWARE ENGINEERING	26	48	3
153C1A0525	RT32052	DATA WARE HOUSING AND MINING	22	11	0
153C1A0525	RT32053	COMPUTER NETWORKS	29	37	3
153C1A0525	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	22	28	3
153C1A0525	RT32055	WEB TECHNOLOGIES	23	24	3
153C1A0525	RT32056	IPR AND PATENTS	21	41	2
153C1A0525	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	24	47	2
153C1A0525	RT32058	SOFTWARE ENGINEERING LAB	25	49	2
153C1A0525	RT32059	WEB TECHNOLOGIES LAB	24	49	2
153C1A0526	RT32051	SOFTWARE ENGINEERING	20	42	3
153C1A0526	RT32052	DATA WARE HOUSING AND MINING	21	37	3
153C1A0526	RT32053	COMPUTER NETWORKS	24	17	0
153C1A0526	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	40	3
153C1A0526	RT32055	WEB TECHNOLOGIES	24	25	3
153C1A0526	RT32056	IPR AND PATENTS	21	36	2
153C1A0526	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	23	42	2
153C1A0526	RT32058	SOFTWARE ENGINEERING LAB	20	46	2
153C1A0526	RT32059	WEB TECHNOLOGIES LAB	22	48	2
153C1A0527	RT32051	SOFTWARE ENGINEERING	20	25	3
153C1A0527	RT32052	DATA WARE HOUSING AND MINING	18	28	3
153C1A0527	RT32053	COMPUTER NETWORKS	23	31	3
153C1A0527	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	19	29	3
153C1A0527	RT32055	WEB TECHNOLOGIES	21	25	3
153C1A0527	RT32056	IPR AND PATENTS	17	31	2
153C1A0527	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	22	41	2
153C1A0527	RT32058	SOFTWARE ENGINEERING LAB	22	48	2
153C1A0527	RT32059	WEB TECHNOLOGIES LAB	23	48	2
153C1A0528	RT32051	SOFTWARE ENGINEERING	18	31	3
153C1A0528	RT32052	DATA WARE HOUSING AND MINING	21	5	0
153C1A0528	RT32053	COMPUTER NETWORKS	19	34	3
153C1A0528	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	20	24	3
153C1A0528	RT32055	WEB TECHNOLOGIES	19	4	0
153C1A0528	RT32056	IPR AND PATENTS	17	14	0
153C1A0528	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	22	42	2
153C1A0528	RT32058	SOFTWARE ENGINEERING LAB	21	47	2
153C1A0528	RT32059	WEB TECHNOLOGIES LAB	22	40	2
153C1A0529	RT32051	SOFTWARE ENGINEERING	23	12	0
153C1A0529	RT32052	DATA WARE HOUSING AND MINING	19	28	3
153C1A0529	RT32053	COMPUTER NETWORKS	25	28	3
153C1A0529	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	28	3
153C1A0529	RT32055	WEB TECHNOLOGIES	22	8	0
153C1A0529	RT32056	IPR AND PATENTS	15	25	2
153C1A0529	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	24	45	2
153C1A0529	RT32058	SOFTWARE ENGINEERING LAB	23	49	2
153C1A0529	RT32059	WEB TECHNOLOGIES LAB	23	46	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0530	RT32051	SOFTWARE ENGINEERING	27	24	3
153C1A0530	RT32052	DATA WARE HOUSING AND MINING	21	31	3
153C1A0530	RT32053	COMPUTER NETWORKS	28	24	3
153C1A0530	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	22	57	3
153C1A0530	RT32055	WEB TECHNOLOGIES	25	28	3
153C1A0530	RT32056	IPR AND PATENTS	16	38	2
153C1A0530	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	23	45	2
153C1A0530	RT32058	SOFTWARE ENGINEERING LAB	22	48	2
153C1A0530	RT32059	WEB TECHNOLOGIES LAB	23	46	2
153C1A0531	RT32051	SOFTWARE ENGINEERING	22	40	3
153C1A0531	RT32052	DATA WARE HOUSING AND MINING	22	27	3
153C1A0531	RT32053	COMPUTER NETWORKS	22	12	0
153C1A0531	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	29	3
153C1A0531	RT32055	WEB TECHNOLOGIES	20	27	3
153C1A0531	RT32056	IPR AND PATENTS	19	39	2
153C1A0531	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	24	46	2
153C1A0531	RT32058	SOFTWARE ENGINEERING LAB	24	48	2
153C1A0531	RT32059	WEB TECHNOLOGIES LAB	24	48	2
153C1A0532	RT32051	SOFTWARE ENGINEERING	16	14	0
153C1A0532	RT32052	DATA WARE HOUSING AND MINING	16	3	0
153C1A0532	RT32053	COMPUTER NETWORKS	20	10	0
153C1A0532	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	16	6	0
153C1A0532	RT32055	WEB TECHNOLOGIES	14	0	0
153C1A0532	RT32056	IPR AND PATENTS	16	5	0
153C1A0532	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	21	35	2
153C1A0532	RT32058	SOFTWARE ENGINEERING LAB	19	45	2
153C1A0532	RT32059	WEB TECHNOLOGIES LAB	23	45	2
153C1A0533	RT32051	SOFTWARE ENGINEERING	26	34	3
153C1A0533	RT32052	DATA WARE HOUSING AND MINING	21	10	0
153C1A0533	RT32053	COMPUTER NETWORKS	26	35	3
153C1A0533	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	24	3
153C1A0533	RT32055	WEB TECHNOLOGIES	27	4	0
153C1A0533	RT32056	IPR AND PATENTS	22	24	2
153C1A0533	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	23	45	2
153C1A0533	RT32058	SOFTWARE ENGINEERING LAB	22	48	2
153C1A0533	RT32059	WEB TECHNOLOGIES LAB	23	47	2
153C1A0534	RT32051	SOFTWARE ENGINEERING	22	14	0
153C1A0534	RT32052	DATA WARE HOUSING AND MINING	16	7	0
153C1A0534	RT32053	COMPUTER NETWORKS	22	13	0
153C1A0534	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	20	28	3
153C1A0534	RT32055	WEB TECHNOLOGIES	22	0	0
153C1A0534	RT32056	IPR AND PATENTS	15	33	2
153C1A0534	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	23	46	2
153C1A0534	RT32058	SOFTWARE ENGINEERING LAB	24	48	2
153C1A0534	RT32059	WEB TECHNOLOGIES LAB	22	45	2
153C1A0535	RT32051	SOFTWARE ENGINEERING	18	28	3
153C1A0535	RT32052	DATA WARE HOUSING AND MINING	22	24	3
153C1A0535	RT32053	COMPUTER NETWORKS	25	24	3
153C1A0535	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	24	3
153C1A0535	RT32055	WEB TECHNOLOGIES	21	7	0



Htno	Subcode	Subname	Internal	External	Credits
153C1A0535	RT32056	IPR AND PATENTS	16	24	2
153C1A0535	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	24	46	2
153C1A0535	RT32058	SOFTWARE ENGINEERING LAB	23	48	2
153C1A0535	RT32059	WEB TECHNOLOGIES LAB	23	48	2
153C1A0536	RT32051	SOFTWARE ENGINEERING	25	41	3
153C1A0536	RT32052	DATA WARE HOUSING AND MINING	25	27	3
153C1A0536	RT32053	COMPUTER NETWORKS	28	48	3
153C1A0536	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	46	3
153C1A0536	RT32055	WEB TECHNOLOGIES	28	34	3
153C1A0536	RT32056	IPR AND PATENTS	17	52	2
153C1A0536	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	24	45	2
153C1A0536	RT32058	SOFTWARE ENGINEERING LAB	22	48	2
153C1A0536	RT32059	WEB TECHNOLOGIES LAB	22	46	2
153C1A0537	RT32051	SOFTWARE ENGINEERING	21	31	3
153C1A0537	RT32052	DATA WARE HOUSING AND MINING	19	43	3
153C1A0537	RT32053	COMPUTER NETWORKS	20	37	3
153C1A0537	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	44	3
153C1A0537	RT32055	WEB TECHNOLOGIES	20	12	0
153C1A0537	RT32056	IPR AND PATENTS	18	28	2
153C1A0537	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	23	42	2
153C1A0537	RT32058	SOFTWARE ENGINEERING LAB	22	48	2
153C1A0537	RT32059	WEB TECHNOLOGIES LAB	23	43	2
153C1A0538	RT32051	SOFTWARE ENGINEERING	24	39	3
153C1A0538	RT32052	DATA WARE HOUSING AND MINING	28	33	3
153C1A0538	RT32053	COMPUTER NETWORKS	27	32	3
153C1A0538	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	46	3
153C1A0538	RT32055	WEB TECHNOLOGIES	27	29	3
153C1A0538	RT32056	IPR AND PATENTS	21	41	2
153C1A0538	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	25	47	2
153C1A0538	RT32058	SOFTWARE ENGINEERING LAB	23	49	2
153C1A0538	RT32059	WEB TECHNOLOGIES LAB	24	49	2
153C1A0539	RT32051	SOFTWARE ENGINEERING	17	25	3
153C1A0539	RT32052	DATA WARE HOUSING AND MINING	17	26	3
153C1A0539	RT32053	COMPUTER NETWORKS	15	25	3
153C1A0539	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	17	27	3
153C1A0539	RT32055	WEB TECHNOLOGIES	16	0	0
153C1A0539	RT32056	IPR AND PATENTS	14	36	2
153C1A0539	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	22	44	2
153C1A0539	RT32058	SOFTWARE ENGINEERING LAB	21	47	2
153C1A0539	RT32059	WEB TECHNOLOGIES LAB	22	43	2
153C5A0202	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	34	3
153C5A0203	RT32021	MICROPROCESSORS & MICROCONTROLLERS	19	24	3
153C5A0206	RT32021	MICROPROCESSORS & MICROCONTROLLERS	19	19	0
153C5A0206	RT32024	POWER SYSTEM ANALYSIS	20	9	0
153C5A0304	RT32031	OPERATIONS RESEARCH	19	12	0
153C5A0304	RT32037A	REFRIGERATION & AIR CONDITIONING	25	24	3
153C5A0311	RT32031	OPERATIONS RESEARCH	21	31	3
153C5A0313	RT32031	OPERATIONS RESEARCH	8	38	3
153C5A0313	RT32034	ROBOTICS	21	25	3
153C5A0314	RT32031	OPERATIONS RESEARCH	10	22	0

Htno	Subcode	Subname	Internal	External	Credits
153C5A0319	RT32035	HEAT TRANSFER	22	38	3
153C5A0321	RT32035	HEAT TRANSFER	20	16	0
153C5A0321	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	31	3
153C5A0323	RT32035	HEAT TRANSFER	23	52	3
153C5A0330	RT32031	OPERATIONS RESEARCH	12	30	3
153C5A0330	RT32037A	REFRIGERATION & AIR CONDITIONING	20	32	3
153C5A0333	RT32031	OPERATIONS RESEARCH	10	11	0
153C5A0333	RT32034	ROBOTICS	23	22	0
153C5A0337	RT32031	OPERATIONS RESEARCH	11	38	3
153C5A0338	RT32031	OPERATIONS RESEARCH	13	5	0
153C5A0338	RT32037A	REFRIGERATION & AIR CONDITIONING	20	11	0
153C5A0342	RT32031	OPERATIONS RESEARCH	12	19	0
153C5A0401	RT32044	MICROWAVE ENGINEERING	24	27	3
153C5A0402	RT32043	DIGITAL COMMUNICATIONS	26	25	3
153C5A0404	RT32043	DIGITAL COMMUNICATIONS	23	13	0
153C5A0405	RT32043	DIGITAL COMMUNICATIONS	26	15	0
153C5A0407	RT32042	DIGITAL SIGNAL PROCESSING	11	29	3
153C5A0407	RT32043	DIGITAL COMMUNICATIONS	19	0	0
153C5A0407	RT32044	MICROWAVE ENGINEERING	23	29	3
153C5A0409	RT32042	DIGITAL SIGNAL PROCESSING	7	16	0
153C5A0409	RT32043	DIGITAL COMMUNICATIONS	23	3	0
153C5A0411	RT32042	DIGITAL SIGNAL PROCESSING	12	36	3
153C5A0411	RT32043	DIGITAL COMMUNICATIONS	25	0	0
153C5A0411	RT32044	MICROWAVE ENGINEERING	16	58	3
153C5A0412	RT32043	DIGITAL COMMUNICATIONS	21	11	0
153C5A0413	RT32043	DIGITAL COMMUNICATIONS	19	9	0
153C5A0414	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	19	30	3
153C5A0414	RT32042	DIGITAL SIGNAL PROCESSING	14	26	3
153C5A0416	RT32042	DIGITAL SIGNAL PROCESSING	9	35	3
153C5A0418	RT32042	DIGITAL SIGNAL PROCESSING	11	16	0
153C5A0419	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	36	3
153C5A0419	RT32043	DIGITAL COMMUNICATIONS	24	28	3
153C5A0420	RT32042	DIGITAL SIGNAL PROCESSING	13	26	0
153C5A0420	RT32043	DIGITAL COMMUNICATIONS	22	3	0
163C5A0101	RT32011	ENVIRONMENTAL ENGINEERING I	26	51	3
163C5A0101	RT32012	GEOTECHNICAL ENGINEERING II	23	58	3
163C5A0101	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	43	3
163C5A0101	RT32014	WATER RESOURCES ENGINEERING I	29	46	3
163C5A0101	RT32015	TRANSPORTATION ENGINEERING II	28	43	3
163C5A0101	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	22	35	3
163C5A0101	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	63	2
163C5A0101	RT32018	TRANSPORTATION ENGINEERING LAB	21	42	2
163C5A0102	RT32011	ENVIRONMENTAL ENGINEERING I	27	57	3
163C5A0102	RT32012	GEOTECHNICAL ENGINEERING II	28	66	3
163C5A0102	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	62	3
163C5A0102	RT32014	WATER RESOURCES ENGINEERING I	30	45	3
163C5A0102	RT32015	TRANSPORTATION ENGINEERING II	30	52	3
163C5A0102	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	23	46	3
163C5A0102	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	68	2
163C5A0102	RT32018	TRANSPORTATION ENGINEERING LAB	23	47	2

Htno	Subcode	Subname	Internal	External	Credits
163C5A0103	RT32011	ENVIRONMENTAL ENGINEERING I	26	44	3
163C5A0103	RT32012	GEOTECHNICAL ENGINEERING II	25	24	3
163C5A0103	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	57	3
163C5A0103	RT32014	WATER RESOURCES ENGINEERING I	30	36	3
163C5A0103	RT32015	TRANSPORTATION ENGINEERING II	30	38	3
163C5A0103	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	20	35	3
163C5A0103	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	67	2
163C5A0103	RT32018	TRANSPORTATION ENGINEERING LAB	22	43	2
163C5A0104	RT32011	ENVIRONMENTAL ENGINEERING I	26	27	3
163C5A0104	RT32012	GEOTECHNICAL ENGINEERING II	20	35	3
163C5A0104	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	25	43	3
163C5A0104	RT32014	WATER RESOURCES ENGINEERING I	24	24	3
163C5A0104	RT32015	TRANSPORTATION ENGINEERING II	25	4	0
163C5A0104	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	20	24	3
163C5A0104	RT32017	COMPUTER AIDED ENGINEERING DRAWING	27	65	2
163C5A0104	RT32018	TRANSPORTATION ENGINEERING LAB	20	40	2
163C5A0105	RT32011	ENVIRONMENTAL ENGINEERING I	24	43	3
163C5A0105	RT32012	GEOTECHNICAL ENGINEERING II	22	44	3
163C5A0105	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	27	48	3
163C5A0105	RT32014	WATER RESOURCES ENGINEERING I	27	26	3
163C5A0105	RT32015	TRANSPORTATION ENGINEERING II	30	38	3
163C5A0105	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	22	30	3
163C5A0105	RT32017	COMPUTER AIDED ENGINEERING DRAWING	26	64	2
163C5A0105	RT32018	TRANSPORTATION ENGINEERING LAB	21	43	2
163C5A0106	RT32011	ENVIRONMENTAL ENGINEERING I	27	53	3
163C5A0106	RT32012	GEOTECHNICAL ENGINEERING II	25	61	3
163C5A0106	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	28	60	3
163C5A0106	RT32014	WATER RESOURCES ENGINEERING I	29	25	3
163C5A0106	RT32015	TRANSPORTATION ENGINEERING II	29	40	3
163C5A0106	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	23	37	3
163C5A0106	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	68	2
163C5A0106	RT32018	TRANSPORTATION ENGINEERING LAB	22	45	2
163C5A0107	RT32011	ENVIRONMENTAL ENGINEERING I	27	46	3
163C5A0107	RT32012	GEOTECHNICAL ENGINEERING II	27	28	3
163C5A0107	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	68	3
163C5A0107	RT32014	WATER RESOURCES ENGINEERING I	26	61	3
163C5A0107	RT32015	TRANSPORTATION ENGINEERING II	28	45	3
163C5A0107	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	24	39	3
163C5A0107	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	68	2
163C5A0107	RT32018	TRANSPORTATION ENGINEERING LAB	23	47	2
163C5A0108	RT32011	ENVIRONMENTAL ENGINEERING I	23	32	3
163C5A0108	RT32012	GEOTECHNICAL ENGINEERING II	20	34	3
163C5A0108	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	26	44	3
163C5A0108	RT32014	WATER RESOURCES ENGINEERING I	26	25	3
163C5A0108	RT32015	TRANSPORTATION ENGINEERING II	26	34	3
163C5A0108	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	19	36	3
163C5A0108	RT32017	COMPUTER AIDED ENGINEERING DRAWING	25	65	2
163C5A0108	RT32018	TRANSPORTATION ENGINEERING LAB	21	40	2
163C5A0109	RT32011	ENVIRONMENTAL ENGINEERING I	29	50	3
163C5A0109	RT32012	GEOTECHNICAL ENGINEERING II	27	61	3

Htno	Subcode	Subname	Internal	External	Credits
163C5A0109	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	36	3
163C5A0109	RT32014	WATER RESOURCES ENGINEERING I	30	58	3
163C5A0109	RT32015	TRANSPORTATION ENGINEERING II	30	40	3
163C5A0109	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	24	33	3
163C5A0109	RT32017	COMPUTER AIDED ENGINEERING DRAWING	26	66	2
163C5A0109	RT32018	TRANSPORTATION ENGINEERING LAB	23	47	2
163C5A0110	RT32011	ENVIRONMENTAL ENGINEERING I	24	43	3
163C5A0110	RT32012	GEOTECHNICAL ENGINEERING II	23	57	3
163C5A0110	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	51	3
163C5A0110	RT32014	WATER RESOURCES ENGINEERING I	24	24	3
163C5A0110	RT32015	TRANSPORTATION ENGINEERING II	29	29	3
163C5A0110	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	18	30	3
163C5A0110	RT32017	COMPUTER AIDED ENGINEERING DRAWING	26	66	2
163C5A0110	RT32018	TRANSPORTATION ENGINEERING LAB	21	41	2
163C5A0111	RT32011	ENVIRONMENTAL ENGINEERING I	16	40	3
163C5A0111	RT32012	GEOTECHNICAL ENGINEERING II	20	12	0
163C5A0111	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	27	3
163C5A0111	RT32014	WATER RESOURCES ENGINEERING I	25	17	0
163C5A0111	RT32015	TRANSPORTATION ENGINEERING II	20	27	3
163C5A0111	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	20	24	3
163C5A0111	RT32017	COMPUTER AIDED ENGINEERING DRAWING	25	65	2
163C5A0111	RT32018	TRANSPORTATION ENGINEERING LAB	20	41	2
163C5A0112	RT32011	ENVIRONMENTAL ENGINEERING I	22	36	3
163C5A0112	RT32012	GEOTECHNICAL ENGINEERING II	18	26	3
163C5A0112	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	18	24	3
163C5A0112	RT32014	WATER RESOURCES ENGINEERING I	26	24	3
163C5A0112	RT32015	TRANSPORTATION ENGINEERING II	26	12	0
163C5A0112	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	22	8	0
163C5A0112	RT32017	COMPUTER AIDED ENGINEERING DRAWING	27	66	2
163C5A0112	RT32018	TRANSPORTATION ENGINEERING LAB	21	42	2
163C5A0113	RT32011	ENVIRONMENTAL ENGINEERING I	19	41	3
163C5A0113	RT32012	GEOTECHNICAL ENGINEERING II	20	54	3
163C5A0113	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	19	36	3
163C5A0113	RT32014	WATER RESOURCES ENGINEERING I	23	26	3
163C5A0113	RT32015	TRANSPORTATION ENGINEERING II	24	40	3
163C5A0113	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	18	30	3
163C5A0113	RT32017	COMPUTER AIDED ENGINEERING DRAWING	27	65	2
163C5A0113	RT32018	TRANSPORTATION ENGINEERING LAB	21	44	2
163C5A0114	RT32011	ENVIRONMENTAL ENGINEERING I	20	32	3
163C5A0114	RT32012	GEOTECHNICAL ENGINEERING II	21	28	3
163C5A0114	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	21	36	3
163C5A0114	RT32014	WATER RESOURCES ENGINEERING I	23	16	0
163C5A0114	RT32015	TRANSPORTATION ENGINEERING II	18	24	3
163C5A0114	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	23	12	0
163C5A0114	RT32017	COMPUTER AIDED ENGINEERING DRAWING	27	65	2
163C5A0114	RT32018	TRANSPORTATION ENGINEERING LAB	21	40	2
163C5A0115	RT32011	ENVIRONMENTAL ENGINEERING I	22	41	3
163C5A0115	RT32012	GEOTECHNICAL ENGINEERING II	23	30	3
163C5A0115	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	22	50	3
163C5A0115	RT32014	WATER RESOURCES ENGINEERING I	25	38	3

Htno	Subcode	Subname	Internal	External	Credits
163C5A0115	RT32015	TRANSPORTATION ENGINEERING II	30	42	3
163C5A0115	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	22	39	3
163C5A0115	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	68	2
163C5A0115	RT32018	TRANSPORTATION ENGINEERING LAB	21	43	2
163C5A0116	RT32011	ENVIRONMENTAL ENGINEERING I	25	39	3
163C5A0116	RT32012	GEOTECHNICAL ENGINEERING II	22	44	3
163C5A0116	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	40	3
163C5A0116	RT32014	WATER RESOURCES ENGINEERING I	24	24	3
163C5A0116	RT32015	TRANSPORTATION ENGINEERING II	24	17	0
163C5A0116	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	18	42	3
163C5A0116	RT32017	COMPUTER AIDED ENGINEERING DRAWING	27	66	2
163C5A0116	RT32018	TRANSPORTATION ENGINEERING LAB	21	41	2
163C5A0201	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	36	3
163C5A0201	RT32022	SWITCHGEAR AND PROTECTION	25	39	3
163C5A0201	RT32023	UTILIZATION OF ELECTRICAL ENERGY	27	5	0
163C5A0201	RT32024	POWER SYSTEM ANALYSIS	22	6	0
163C5A0201	RT32025	MANAGEMENT SCIENCE	23	43	3
163C5A0201	RT32026	POWER SEMICONDUCTOR DRIVES	18	16	0
163C5A0201	RT32027	POWER ELECTRONICS LAB	23	44	2
163C5A0201	RT32028	ELECTRICAL MEASUREMENTS LAB	23	45	2
163C5A0202	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	15	0
163C5A0202	RT32022	SWITCHGEAR AND PROTECTION	21	28	3
163C5A0202	RT32023	UTILIZATION OF ELECTRICAL ENERGY	25	53	3
163C5A0202	RT32024	POWER SYSTEM ANALYSIS	25	52	3
163C5A0202	RT32025	MANAGEMENT SCIENCE	25	61	3
163C5A0202	RT32026	POWER SEMICONDUCTOR DRIVES	18	31	3
163C5A0202	RT32027	POWER ELECTRONICS LAB	24	46	2
163C5A0202	RT32028	ELECTRICAL MEASUREMENTS LAB	24	46	2
163C5A0203	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	34	3
163C5A0203	RT32022	SWITCHGEAR AND PROTECTION	23	54	3
163C5A0203	RT32023	UTILIZATION OF ELECTRICAL ENERGY	28	42	3
163C5A0203	RT32024	POWER SYSTEM ANALYSIS	26	28	3
163C5A0203	RT32025	MANAGEMENT SCIENCE	25	13	0
163C5A0203	RT32026	POWER SEMICONDUCTOR DRIVES	20	34	3
163C5A0203	RT32027	POWER ELECTRONICS LAB	23	47	2
163C5A0203	RT32028	ELECTRICAL MEASUREMENTS LAB	23	44	2
163C5A0204	RT32021	MICROPROCESSORS & MICROCONTROLLERS	23	31	3
163C5A0204	RT32022	SWITCHGEAR AND PROTECTION	21	18	0
163C5A0204	RT32023	UTILIZATION OF ELECTRICAL ENERGY	22	43	3
163C5A0204	RT32024	POWER SYSTEM ANALYSIS	25	18	0
163C5A0204	RT32025	MANAGEMENT SCIENCE	21	40	3
163C5A0204	RT32026	POWER SEMICONDUCTOR DRIVES	16	24	3
163C5A0204	RT32027	POWER ELECTRONICS LAB	23	43	2
163C5A0204	RT32028	ELECTRICAL MEASUREMENTS LAB	23	45	2
163C5A0205	RT32021	MICROPROCESSORS & MICROCONTROLLERS	25	28	3
163C5A0205	RT32022	SWITCHGEAR AND PROTECTION	27	40	3
163C5A0205	RT32023	UTILIZATION OF ELECTRICAL ENERGY	26	17	0
163C5A0205	RT32024	POWER SYSTEM ANALYSIS	26	34	3
163C5A0205	RT32025	MANAGEMENT SCIENCE	21	46	3
163C5A0205	RT32026	POWER SEMICONDUCTOR DRIVES	23	31	3

Htno	Subcode	Subname	Internal	External	Credits
163C5A0205	RT32027	POWER ELECTRONICS LAB	24	46	2
163C5A0205	RT32028	ELECTRICAL MEASUREMENTS LAB	23	45	2
163C5A0206	RT32021	MICROPROCESSORS & MICROCONTROLLERS	23	16	0
163C5A0206	RT32022	SWITCHGEAR AND PROTECTION	22	32	3
163C5A0206	RT32023	UTILIZATION OF ELECTRICAL ENERGY	26	45	3
163C5A0206	RT32024	POWER SYSTEM ANALYSIS	22	2	0
163C5A0206	RT32025	MANAGEMENT SCIENCE	20	37	3
163C5A0206	RT32026	POWER SEMICONDUCTOR DRIVES	20	31	3
163C5A0206	RT32027	POWER ELECTRONICS LAB	23	44	2
163C5A0206	RT32028	ELECTRICAL MEASUREMENTS LAB	23	46	2
163C5A0207	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	13	0
163C5A0207	RT32022	SWITCHGEAR AND PROTECTION	20	38	3
163C5A0207	RT32023	UTILIZATION OF ELECTRICAL ENERGY	21	35	3
163C5A0207	RT32024	POWER SYSTEM ANALYSIS	16	4	0
163C5A0207	RT32025	MANAGEMENT SCIENCE	20	30	3
163C5A0207	RT32026	POWER SEMICONDUCTOR DRIVES	19	17	0
163C5A0207	RT32027	POWER ELECTRONICS LAB	21	42	2
163C5A0207	RT32028	ELECTRICAL MEASUREMENTS LAB	23	45	2
163C5A0208	RT32021	MICROPROCESSORS & MICROCONTROLLERS	25	27	3
163C5A0208	RT32022	SWITCHGEAR AND PROTECTION	20	15	0
163C5A0208	RT32023	UTILIZATION OF ELECTRICAL ENERGY	25	33	3
163C5A0208	RT32024	POWER SYSTEM ANALYSIS	20	25	3
163C5A0208	RT32025	MANAGEMENT SCIENCE	22	37	3
163C5A0208	RT32026	POWER SEMICONDUCTOR DRIVES	20	24	3
163C5A0208	RT32027	POWER ELECTRONICS LAB	22	45	2
163C5A0208	RT32028	ELECTRICAL MEASUREMENTS LAB	22	47	2
163C5A0209	RT32021	MICROPROCESSORS & MICROCONTROLLERS	22	34	3
163C5A0209	RT32022	SWITCHGEAR AND PROTECTION	22	38	3
163C5A0209	RT32023	UTILIZATION OF ELECTRICAL ENERGY	26	24	3
163C5A0209	RT32024	POWER SYSTEM ANALYSIS	22	9	0
163C5A0209	RT32025	MANAGEMENT SCIENCE	21	50	3
163C5A0209	RT32026	POWER SEMICONDUCTOR DRIVES	22	29	3
163C5A0209	RT32027	POWER ELECTRONICS LAB	23	44	2
163C5A0209	RT32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
163C5A0210	RT32021	MICROPROCESSORS & MICROCONTROLLERS	27	14	0
163C5A0210	RT32022	SWITCHGEAR AND PROTECTION	23	41	3
163C5A0210	RT32023	UTILIZATION OF ELECTRICAL ENERGY	26	55	3
163C5A0210	RT32024	POWER SYSTEM ANALYSIS	23	9	0
163C5A0210	RT32025	MANAGEMENT SCIENCE	20	24	3
163C5A0210	RT32026	POWER SEMICONDUCTOR DRIVES	17	40	3
163C5A0210	RT32027	POWER ELECTRONICS LAB	23	44	2
163C5A0210	RT32028	ELECTRICAL MEASUREMENTS LAB	23	44	2
163C5A0301	RT32031	OPERATIONS RESEARCH	19	30	3
163C5A0301	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	48	3
163C5A0301	RT32033	DESIGN OF MACHINE MEMBERS II	24	36	3
163C5A0301	RT32034	ROBOTICS	21	31	3
163C5A0301	RT32035	HEAT TRANSFER	26	38	3
163C5A0301	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	52	3
163C5A0301	RT32037A	REFRIGERATION & AIR CONDITIONING	23	44	3
163C5A0301	RT32038	HEAT TRANSFER LAB	22	45	2

Htno	Subcode	Subname	Internal	External	Credits
163C5A0302	RT32031	OPERATIONS RESEARCH	17	31	3
163C5A0302	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	33	3
163C5A0302	RT32033	DESIGN OF MACHINE MEMBERS II	28	24	3
163C5A0302	RT32034	ROBOTICS	26	45	3
163C5A0302	RT32035	HEAT TRANSFER	28	29	3
163C5A0302	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	20	32	3
163C5A0302	RT32037A	REFRIGERATION & AIR CONDITIONING	17	17	0
163C5A0302	RT32038	HEAT TRANSFER LAB	24	48	2
163C5A0303	RT32031	OPERATIONS RESEARCH	15	50	3
163C5A0303	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	49	3
163C5A0303	RT32033	DESIGN OF MACHINE MEMBERS II	26	35	3
163C5A0303	RT32034	ROBOTICS	7	37	3
163C5A0303	RT32035	HEAT TRANSFER	27	57	3
163C5A0303	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	54	3
163C5A0303	RT32037A	REFRIGERATION & AIR CONDITIONING	17	35	3
163C5A0303	RT32038	HEAT TRANSFER LAB	23	47	2
163C5A0304	RT32031	OPERATIONS RESEARCH	18	35	3
163C5A0304	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	16	0
163C5A0304	RT32033	DESIGN OF MACHINE MEMBERS II	24	32	3
163C5A0304	RT32034	ROBOTICS	19	29	3
163C5A0304	RT32035	HEAT TRANSFER	21	38	3
163C5A0304	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	34	3
163C5A0304	RT32037A	REFRIGERATION & AIR CONDITIONING	22	34	3
163C5A0304	RT32038	HEAT TRANSFER LAB	23	45	2
163C5A0305	RT32031	OPERATIONS RESEARCH	22	30	3
163C5A0305	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	47	3
163C5A0305	RT32033	DESIGN OF MACHINE MEMBERS II	22	49	3
163C5A0305	RT32034	ROBOTICS	21	30	3
163C5A0305	RT32035	HEAT TRANSFER	27	39	3
163C5A0305	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	26	59	3
163C5A0305	RT32037A	REFRIGERATION & AIR CONDITIONING	22	39	3
163C5A0305	RT32038	HEAT TRANSFER LAB	24	49	2
163C5A0306	RT32031	OPERATIONS RESEARCH	18	24	3
163C5A0306	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	24	3
163C5A0306	RT32033	DESIGN OF MACHINE MEMBERS II	24	24	3
163C5A0306	RT32034	ROBOTICS	18	32	3
163C5A0306	RT32035	HEAT TRANSFER	22	24	3
163C5A0306	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	24	3
163C5A0306	RT32037A	REFRIGERATION & AIR CONDITIONING	23	38	3
163C5A0306	RT32038	HEAT TRANSFER LAB	22	46	2
163C5A0307	RT32031	OPERATIONS RESEARCH	17	41	3
163C5A0307	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	45	3
163C5A0307	RT32033	DESIGN OF MACHINE MEMBERS II	28	31	3
163C5A0307	RT32034	ROBOTICS	24	26	3
163C5A0307	RT32035	HEAT TRANSFER	29	56	3
163C5A0307	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	26	45	3
163C5A0307	RT32037A	REFRIGERATION & AIR CONDITIONING	23	29	3
163C5A0307	RT32038	HEAT TRANSFER LAB	24	48	2
163C5A0308	RT32031	OPERATIONS RESEARCH	18	46	3
163C5A0308	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	8	0

Htno	Subcode	Subname	Internal	External	Credits
163C5A0308	RT32033	DESIGN OF MACHINE MEMBERS II	21	24	3
163C5A0308	RT32034	ROBOTICS	17	5	0
163C5A0308	RT32035	HEAT TRANSFER	16	24	3
163C5A0308	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	24	3
163C5A0308	RT32037A	REFRIGERATION & AIR CONDITIONING	17	15	0
163C5A0308	RT32038	HEAT TRANSFER LAB	23	47	2
163C5A0309	RT32031	OPERATIONS RESEARCH	26	48	3
163C5A0309	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	47	3
163C5A0309	RT32033	DESIGN OF MACHINE MEMBERS II	27	57	3
163C5A0309	RT32034	ROBOTICS	20	29	3
163C5A0309	RT32035	HEAT TRANSFER	28	24	3
163C5A0309	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	52	3
163C5A0309	RT32037A	REFRIGERATION & AIR CONDITIONING	22	39	3
163C5A0309	RT32038	HEAT TRANSFER LAB	24	48	2
163C5A0310	RT32031	OPERATIONS RESEARCH	14	21	0
163C5A0310	RT32032	INTERACTIVE COMPUTER GRAPHICS	17	26	3
163C5A0310	RT32033	DESIGN OF MACHINE MEMBERS II	24	24	3
163C5A0310	RT32034	ROBOTICS	17	26	3
163C5A0310	RT32035	HEAT TRANSFER	21	0	0
163C5A0310	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	10	0
163C5A0310	RT32037A	REFRIGERATION & AIR CONDITIONING	14	9	0
163C5A0310	RT32038	HEAT TRANSFER LAB	22	45	2
163C5A0311	RT32031	OPERATIONS RESEARCH	21	30	3
163C5A0311	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	44	3
163C5A0311	RT32033	DESIGN OF MACHINE MEMBERS II	23	31	3
163C5A0311	RT32034	ROBOTICS	21	12	0
163C5A0311	RT32035	HEAT TRANSFER	25	44	3
163C5A0311	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	26	56	3
163C5A0311	RT32037A	REFRIGERATION & AIR CONDITIONING	23	33	3
163C5A0311	RT32038	HEAT TRANSFER LAB	23	47	2
163C5A0312	RT32031	OPERATIONS RESEARCH	21	51	3
163C5A0312	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	28	3
163C5A0312	RT32033	DESIGN OF MACHINE MEMBERS II	27	24	3
163C5A0312	RT32034	ROBOTICS	17	31	3
163C5A0312	RT32035	HEAT TRANSFER	28	38	3
163C5A0312	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	38	3
163C5A0312	RT32037A	REFRIGERATION & AIR CONDITIONING	22	30	3
163C5A0312	RT32038	HEAT TRANSFER LAB	24	49	2
163C5A0313	RT32031	OPERATIONS RESEARCH	18	8	0
163C5A0313	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	36	3
163C5A0313	RT32033	DESIGN OF MACHINE MEMBERS II	17	39	3
163C5A0313	RT32034	ROBOTICS	20	28	3
163C5A0313	RT32035	HEAT TRANSFER	19	12	0
163C5A0313	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	28	14	0
163C5A0313	RT32037A	REFRIGERATION & AIR CONDITIONING	23	29	3
163C5A0313	RT32038	HEAT TRANSFER LAB	22	45	2
163C5A0314	RT32031	OPERATIONS RESEARCH	15	39	3
163C5A0314	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	28	3
163C5A0314	RT32033	DESIGN OF MACHINE MEMBERS II	22	24	3
163C5A0314	RT32034	ROBOTICS	18	37	3



Htno	Subcode	Subname	Internal	External	Credits
163C5A0314	RT32035	HEAT TRANSFER	22	16	0
163C5A0314	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	27	3
163C5A0314	RT32037A	REFRIGERATION & AIR CONDITIONING	22	13	0
163C5A0314	RT32038	HEAT TRANSFER LAB	22	44	2
163C5A0315	RT32031	OPERATIONS RESEARCH	21	24	3
163C5A0315	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	40	3
163C5A0315	RT32033	DESIGN OF MACHINE MEMBERS II	24	41	3
163C5A0315	RT32034	ROBOTICS	23	13	0
163C5A0315	RT32035	HEAT TRANSFER	25	36	3
163C5A0315	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	43	3
163C5A0315	RT32037A	REFRIGERATION & AIR CONDITIONING	17	15	0
163C5A0315	RT32038	HEAT TRANSFER LAB	23	47	2
163C5A0316	RT32031	OPERATIONS RESEARCH	19	48	3
163C5A0316	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	28	3
163C5A0316	RT32033	DESIGN OF MACHINE MEMBERS II	24	36	3
163C5A0316	RT32034	ROBOTICS	21	11	0
163C5A0316	RT32035	HEAT TRANSFER	27	35	3
163C5A0316	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	37	3
163C5A0316	RT32037A	REFRIGERATION & AIR CONDITIONING	21	29	3
163C5A0316	RT32038	HEAT TRANSFER LAB	24	48	2
163C5A0317	RT32031	OPERATIONS RESEARCH	23	16	0
163C5A0317	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	32	3
163C5A0317	RT32033	DESIGN OF MACHINE MEMBERS II	27	29	3
163C5A0317	RT32034	ROBOTICS	16	25	3
163C5A0317	RT32035	HEAT TRANSFER	24	24	3
163C5A0317	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	20	7	0
163C5A0317	RT32037A	REFRIGERATION & AIR CONDITIONING	23	29	3
163C5A0317	RT32038	HEAT TRANSFER LAB	23	47	2
163C5A0318	RT32031	OPERATIONS RESEARCH	20	30	3
163C5A0318	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	27	3
163C5A0318	RT32033	DESIGN OF MACHINE MEMBERS II	28	33	3
163C5A0318	RT32034	ROBOTICS	22	29	3
163C5A0318	RT32035	HEAT TRANSFER	28	34	3
163C5A0318	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	24	3
163C5A0318	RT32037A	REFRIGERATION & AIR CONDITIONING	18	25	3
163C5A0318	RT32038	HEAT TRANSFER LAB	22	46	2
163C5A0319	RT32031	OPERATIONS RESEARCH	24	28	3
163C5A0319	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	24	3
163C5A0319	RT32033	DESIGN OF MACHINE MEMBERS II	21	26	3
163C5A0319	RT32034	ROBOTICS	16	25	3
163C5A0319	RT32035	HEAT TRANSFER	27	32	3
163C5A0319	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	22	36	3
163C5A0319	RT32037A	REFRIGERATION & AIR CONDITIONING	16	44	3
163C5A0319	RT32038	HEAT TRANSFER LAB	23	47	2
163C5A0320	RT32031	OPERATIONS RESEARCH	19	43	3
163C5A0320	RT32032	INTERACTIVE COMPUTER GRAPHICS	14	10	0
163C5A0320	RT32033	DESIGN OF MACHINE MEMBERS II	14	31	3
163C5A0320	RT32034	ROBOTICS	13	5	0
163C5A0320	RT32035	HEAT TRANSFER	14	18	0
163C5A0320	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	39	3

Htno	Subcode	Subname	Internal	External	Credits
163C5A0320	RT32037A	REFRIGERATION & AIR CONDITIONING	17	25	3
163C5A0320	RT32038	HEAT TRANSFER LAB	22	42	2
163C5A0321	RT32031	OPERATIONS RESEARCH	17	31	3
163C5A0321	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	38	3
163C5A0321	RT32033	DESIGN OF MACHINE MEMBERS II	20	42	3
163C5A0321	RT32034	ROBOTICS	18	25	3
163C5A0321	RT32035	HEAT TRANSFER	18	34	3
163C5A0321	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	19	33	3
163C5A0321	RT32037A	REFRIGERATION & AIR CONDITIONING	19	34	3
163C5A0321	RT32038	HEAT TRANSFER LAB	23	44	2
163C5A0322	RT32031	OPERATIONS RESEARCH	20	34	3
163C5A0322	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	29	3
163C5A0322	RT32033	DESIGN OF MACHINE MEMBERS II	27	24	3
163C5A0322	RT32034	ROBOTICS	23	37	3
163C5A0322	RT32035	HEAT TRANSFER	23	34	3
163C5A0322	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	22	26	3
163C5A0322	RT32037A	REFRIGERATION & AIR CONDITIONING	20	42	3
163C5A0322	RT32038	HEAT TRANSFER LAB	22	44	2
163C5A0323	RT32031	OPERATIONS RESEARCH	23	28	3
163C5A0323	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	41	3
163C5A0323	RT32033	DESIGN OF MACHINE MEMBERS II	19	33	3
163C5A0323	RT32034	ROBOTICS	19	13	0
163C5A0323	RT32035	HEAT TRANSFER	21	42	3
163C5A0323	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	41	3
163C5A0323	RT32037A	REFRIGERATION & AIR CONDITIONING	18	29	3
163C5A0323	RT32038	HEAT TRANSFER LAB	22	44	2
163C5A0324	RT32031	OPERATIONS RESEARCH	19	34	3
163C5A0324	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	14	0
163C5A0324	RT32033	DESIGN OF MACHINE MEMBERS II	25	29	3
163C5A0324	RT32034	ROBOTICS	18	24	3
163C5A0324	RT32035	HEAT TRANSFER	22	33	3
163C5A0324	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	33	3
163C5A0324	RT32037A	REFRIGERATION & AIR CONDITIONING	22	27	3
163C5A0324	RT32038	HEAT TRANSFER LAB	21	42	2
163C5A0325	RT32031	OPERATIONS RESEARCH	11	0	0
163C5A0325	RT32032	INTERACTIVE COMPUTER GRAPHICS	13	8	0
163C5A0325	RT32033	DESIGN OF MACHINE MEMBERS II	20	28	3
163C5A0325	RT32034	ROBOTICS	12	2	0
163C5A0325	RT32035	HEAT TRANSFER	15	0	0
163C5A0325	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	11	3	0
163C5A0325	RT32037A	REFRIGERATION & AIR CONDITIONING	17	4	0
163C5A0325	RT32038	HEAT TRANSFER LAB	23	44	2
163C5A0326	RT32031	OPERATIONS RESEARCH	13	0	0
163C5A0326	RT32032	INTERACTIVE COMPUTER GRAPHICS	14	28	3
163C5A0326	RT32033	DESIGN OF MACHINE MEMBERS II	22	24	3
163C5A0326	RT32034	ROBOTICS	13	3	0
163C5A0326	RT32035	HEAT TRANSFER	22	7	0
163C5A0326	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	20	1	0
163C5A0326	RT32037A	REFRIGERATION & AIR CONDITIONING	20	0	0
163C5A0326	RT32038	HEAT TRANSFER LAB	22	44	2

Htno	Subcode	Subname	Internal	External	Credits
163C5A0327	RT32031	OPERATIONS RESEARCH	16	9	0
163C5A0327	RT32032	INTERACTIVE COMPUTER GRAPHICS	17	28	3
163C5A0327	RT32033	DESIGN OF MACHINE MEMBERS II	21	25	3
163C5A0327	RT32034	ROBOTICS	19	9	0
163C5A0327	RT32035	HEAT TRANSFER	17	24	3
163C5A0327	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	22	17	0
163C5A0327	RT32037A	REFRIGERATION & AIR CONDITIONING	15	15	0
163C5A0327	RT32038	HEAT TRANSFER LAB	23	46	2
163C5A0328	RT32031	OPERATIONS RESEARCH	18	32	3
163C5A0328	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	27	3
163C5A0328	RT32033	DESIGN OF MACHINE MEMBERS II	23	27	3
163C5A0328	RT32034	ROBOTICS	18	8	0
163C5A0328	RT32035	HEAT TRANSFER	16	28	3
163C5A0328	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	22	32	3
163C5A0328	RT32037A	REFRIGERATION & AIR CONDITIONING	17	27	3
163C5A0328	RT32038	HEAT TRANSFER LAB	22	44	2
163C5A0401	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	18	18	0
163C5A0401	RT32042	DIGITAL SIGNAL PROCESSING	19	11	0
163C5A0401	RT32043	DIGITAL COMMUNICATIONS	25	24	3
163C5A0401	RT32044	MICROWAVE ENGINEERING	24	36	3
163C5A0401	RT32045A	BIO MEDICAL ENGINEERING	19	3	0
163C5A0401	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	38	2
163C5A0401	RT32047	DIGITAL COMMUNICATIONS LAB	23	40	2
163C5A0401	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	38	2
163C5A0401	RT32049	SEMINAR	47	0	1
163C5A0402	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	17	17	0
163C5A0402	RT32042	DIGITAL SIGNAL PROCESSING	19	0	0
163C5A0402	RT32043	DIGITAL COMMUNICATIONS	22	16	0
163C5A0402	RT32044	MICROWAVE ENGINEERING	21	41	3
163C5A0402	RT32045A	BIO MEDICAL ENGINEERING	19	24	3
163C5A0402	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	26	2
163C5A0402	RT32047	DIGITAL COMMUNICATIONS LAB	20	39	2
163C5A0402	RT32048	DIGITAL SIGNAL PROCESSING LAB	14	31	2
163C5A0402	RT32049	SEMINAR	39	0	1
163C5A0403	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	15	30	3
163C5A0403	RT32042	DIGITAL SIGNAL PROCESSING	15	35	3
163C5A0403	RT32043	DIGITAL COMMUNICATIONS	19	5	0
163C5A0403	RT32044	MICROWAVE ENGINEERING	22	38	3
163C5A0403	RT32045A	BIO MEDICAL ENGINEERING	18	32	3
163C5A0403	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	-1	0
163C5A0403	RT32047	DIGITAL COMMUNICATIONS LAB	22	-1	0
163C5A0403	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	39	2
163C5A0403	RT32049	SEMINAR	42	0	1
163C5A0404	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	17	27	3
163C5A0404	RT32042	DIGITAL SIGNAL PROCESSING	18	35	3
163C5A0404	RT32043	DIGITAL COMMUNICATIONS	23	24	3
163C5A0404	RT32044	MICROWAVE ENGINEERING	24	33	3
163C5A0404	RT32045A	BIO MEDICAL ENGINEERING	20	45	3
163C5A0404	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	30	2
163C5A0404	RT32047	DIGITAL COMMUNICATIONS LAB	24	46	2

Htno	Subcode	Subname	Internal	External	Credits
163C5A0404	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	42	2
163C5A0404	RT32049	SEMINAR	48	0	1
163C5A0405	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	17	6	0
163C5A0405	RT32042	DIGITAL SIGNAL PROCESSING	19	3	0
163C5A0405	RT32043	DIGITAL COMMUNICATIONS	18	0	0
163C5A0405	RT32044	MICROWAVE ENGINEERING	19	0	0
163C5A0405	RT32045A	BIO MEDICAL ENGINEERING	16	0	0
163C5A0405	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	16	26	2
163C5A0405	RT32047	DIGITAL COMMUNICATIONS LAB	18	-1	0
163C5A0405	RT32048	DIGITAL SIGNAL PROCESSING LAB	14	28	2
163C5A0405	RT32049	SEMINAR	36	0	1
163C5A0406	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	16	11	0
163C5A0406	RT32042	DIGITAL SIGNAL PROCESSING	16	24	3
163C5A0406	RT32043	DIGITAL COMMUNICATIONS	18	11	0
163C5A0406	RT32044	MICROWAVE ENGINEERING	17	30	3
163C5A0406	RT32045A	BIO MEDICAL ENGINEERING	14	13	0
163C5A0406	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	15	26	2
163C5A0406	RT32047	DIGITAL COMMUNICATIONS LAB	10	-1	0
163C5A0406	RT32048	DIGITAL SIGNAL PROCESSING LAB	12	28	2
163C5A0406	RT32049	SEMINAR	35	0	1
163C5A0407	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	53	3
163C5A0407	RT32042	DIGITAL SIGNAL PROCESSING	18	42	3
163C5A0407	RT32043	DIGITAL COMMUNICATIONS	25	29	3
163C5A0407	RT32044	MICROWAVE ENGINEERING	27	47	3
163C5A0407	RT32045A	BIO MEDICAL ENGINEERING	23	43	3
163C5A0407	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	38	2
163C5A0407	RT32047	DIGITAL COMMUNICATIONS LAB	24	46	2
163C5A0407	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	36	2
163C5A0407	RT32049	SEMINAR	46	0	1
163C5A0408	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	17	30	3
163C5A0408	RT32042	DIGITAL SIGNAL PROCESSING	15	37	3
163C5A0408	RT32043	DIGITAL COMMUNICATIONS	24	32	3
163C5A0408	RT32044	MICROWAVE ENGINEERING	23	37	3
163C5A0408	RT32045A	BIO MEDICAL ENGINEERING	23	58	3
163C5A0408	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	42	2
163C5A0408	RT32047	DIGITAL COMMUNICATIONS LAB	24	28	2
163C5A0408	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	34	2
163C5A0408	RT32049	SEMINAR	46	0	1
163C5A0409	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	14	10	0
163C5A0409	RT32042	DIGITAL SIGNAL PROCESSING	18	13	0
163C5A0409	RT32043	DIGITAL COMMUNICATIONS	20	0	0
163C5A0409	RT32044	MICROWAVE ENGINEERING	19	12	0
163C5A0409	RT32045A	BIO MEDICAL ENGINEERING	18	6	0
163C5A0409	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	40	2
163C5A0409	RT32047	DIGITAL COMMUNICATIONS LAB	22	42	2
163C5A0409	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	33	2
163C5A0409	RT32049	SEMINAR	45	0	1
163C5A0410	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	37	3
163C5A0410	RT32042	DIGITAL SIGNAL PROCESSING	18	40	3
163C5A0410	RT32043	DIGITAL COMMUNICATIONS	25	32	3

Htno	Subcode	Subname	Internal	External	Credits
163C5A0410	RT32044	MICROWAVE ENGINEERING	24	54	3
163C5A0410	RT32045A	BIO MEDICAL ENGINEERING	24	32	3
163C5A0410	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	36	2
163C5A0410	RT32047	DIGITAL COMMUNICATIONS LAB	20	48	2
163C5A0410	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	42	2
163C5A0410	RT32049	SEMINAR	47	0	1
163C5A0411	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	54	3
163C5A0411	RT32042	DIGITAL SIGNAL PROCESSING	25	34	3
163C5A0411	RT32043	DIGITAL COMMUNICATIONS	29	29	3
163C5A0411	RT32044	MICROWAVE ENGINEERING	25	51	3
163C5A0411	RT32045A	BIO MEDICAL ENGINEERING	22	30	3
163C5A0411	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
163C5A0411	RT32047	DIGITAL COMMUNICATIONS LAB	22	45	2
163C5A0411	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	40	2
163C5A0411	RT32049	SEMINAR	45	0	1
163C5A0412	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	17	24	3
163C5A0412	RT32042	DIGITAL SIGNAL PROCESSING	21	9	0
163C5A0412	RT32043	DIGITAL COMMUNICATIONS	21	7	0
163C5A0412	RT32044	MICROWAVE ENGINEERING	21	15	0
163C5A0412	RT32045A	BIO MEDICAL ENGINEERING	20	28	3
163C5A0412	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	30	2
163C5A0412	RT32047	DIGITAL COMMUNICATIONS LAB	20	34	2
163C5A0412	RT32048	DIGITAL SIGNAL PROCESSING LAB	17	32	2
163C5A0412	RT32049	SEMINAR	38	0	1
163C5A0413	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	26	39	3
163C5A0413	RT32042	DIGITAL SIGNAL PROCESSING	24	31	3
163C5A0413	RT32043	DIGITAL COMMUNICATIONS	26	46	3
163C5A0413	RT32044	MICROWAVE ENGINEERING	24	49	3
163C5A0413	RT32045A	BIO MEDICAL ENGINEERING	22	54	3
163C5A0413	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	50	2
163C5A0413	RT32047	DIGITAL COMMUNICATIONS LAB	22	48	2
163C5A0413	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	40	2
163C5A0413	RT32049	SEMINAR	46	0	1
163C5A0414	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	41	3
163C5A0414	RT32042	DIGITAL SIGNAL PROCESSING	23	37	3
163C5A0414	RT32043	DIGITAL COMMUNICATIONS	25	32	3
163C5A0414	RT32044	MICROWAVE ENGINEERING	22	62	3
163C5A0414	RT32045A	BIO MEDICAL ENGINEERING	23	34	3
163C5A0414	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
163C5A0414	RT32047	DIGITAL COMMUNICATIONS LAB	24	42	2
163C5A0414	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	39	2
163C5A0414	RT32049	SEMINAR	47	0	1
163C5A0415	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	17	40	3
163C5A0415	RT32042	DIGITAL SIGNAL PROCESSING	19	26	3
163C5A0415	RT32043	DIGITAL COMMUNICATIONS	23	10	0
163C5A0415	RT32044	MICROWAVE ENGINEERING	25	31	3
163C5A0415	RT32045A	BIO MEDICAL ENGINEERING	20	30	3
163C5A0415	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	34	2
163C5A0415	RT32047	DIGITAL COMMUNICATIONS LAB	24	47	2
163C5A0415	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	35	2

Htno	Subcode	Subname	Internal	External	Credits
163C5A0415	RT32049	SEMINAR	45	0	1
163C5A0417	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	18	36	3
163C5A0417	RT32042	DIGITAL SIGNAL PROCESSING	21	32	3
163C5A0417	RT32043	DIGITAL COMMUNICATIONS	25	19	0
163C5A0417	RT32044	MICROWAVE ENGINEERING	26	24	3
163C5A0417	RT32045A	BIO MEDICAL ENGINEERING	22	46	3
163C5A0417	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	33	2
163C5A0417	RT32047	DIGITAL COMMUNICATIONS LAB	25	48	2
163C5A0417	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	40	2
163C5A0417	RT32049	SEMINAR	45	0	1
163C5A0418	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	25	45	3
163C5A0418	RT32042	DIGITAL SIGNAL PROCESSING	22	34	3
163C5A0418	RT32043	DIGITAL COMMUNICATIONS	26	37	3
163C5A0418	RT32044	MICROWAVE ENGINEERING	27	49	3
163C5A0418	RT32045A	BIO MEDICAL ENGINEERING	20	54	3
163C5A0418	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
163C5A0418	RT32047	DIGITAL COMMUNICATIONS LAB	24	42	2
163C5A0418	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	39	2
163C5A0418	RT32049	SEMINAR	47	0	1
163C5A0501	RT32051	SOFTWARE ENGINEERING	20	19	0
163C5A0501	RT32052	DATA WARE HOUSING AND MINING	17	18	0
163C5A0501	RT32053	COMPUTER NETWORKS	20	26	3
163C5A0501	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	22	6	0
163C5A0501	RT32055	WEB TECHNOLOGIES	20	10	0
163C5A0501	RT32056	IPR AND PATENTS	16	16	0
163C5A0501	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	23	45	2
163C5A0501	RT32058	SOFTWARE ENGINEERING LAB	21	48	2
163C5A0501	RT32059	WEB TECHNOLOGIES LAB	22	43	2

\*\*NOTE:1 [Last Date for Apply Recounting/Revaluation/Challenge By Revaluation: 11-06-2018]

\*\*NOTE:2 [Please inform to the students enter these subject codes for applying Recounting/Revaluation/Challenge By Revaluation]

\*\* Note:\*\*

\* -1 in the filed of externals indicates student absent for the respective subject.

\* -2 in the filed of externals indicates student Withheld for the respective subject.

\* -3 in the filed of externals indicates student Malpractice for the respective subject.

Date:01-06-2018

*N. Mohan Rao*  
Controller of Examinations