



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Result of III B.Tech [R10,R07,R05] II Semester Regul/Supplementary Examinations May-2015

College: ST.MARY'S GROUP OF INSTITUTIONS, CHEBROLU, GUNTUR:BJ

Htno	Subcode	Subname	Internal	External	credits
07BJ1A1215	V3242	E-COMMERCE	18	6	0
07BJ1A1215	V3244	DATA WAREHOUSING AND DATA MINING	15	4	0
07BJ1A1244	V3244	DATA WAREHOUSING AND DATA MINING	17	1	0
08BJ1A0244	V3207	MICRO PROCESSORS AND MICRO CONTROLLERS	14	-1	0
09BJ1A0314	R32035	DESIGN OF MACHINE MEMBERS_II	14	7	0
09BJ1A0316	R32031	METROLOGY	11	0	0
09BJ1A0526	P32051	ADVANCED OPERATING SYSTEMS	0	16	0
09BJ1A0526	R32026	MANAGEMENT SCIENCE	18	31	4
09BJ1A0526	R32051	ADVANCED COMPUTER NETWORKS	12	28	4
09BJ1A0526	R32052	COMPUTER ARCHITECTURE	18	56	4
09BJ1A0526	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	4	12	0
09BJ1A0526	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	28	4
09BJ1A0534	R32026	MANAGEMENT SCIENCE	16	10	0
09BJ1A0534	R32051	ADVANCED COMPUTER NETWORKS	16	-1	0
09BJ1A0534	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	10	0
09BJ1A0544	R32026	MANAGEMENT SCIENCE	16	2	0
09BJ5A0201	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	-1	0
09BJ5A0201	R32025	POWER SEMICONDUCTOR DRIVES	20	10	0
09BJ5A0404	V3220	MICROWAVE ENGINEERING	14	-1	0
09JR1A0427	R32041	COMPUTER NETWORKS	8	26	0
09JR1A0427	R32042	MICROWAVE ENGINEERING	18	26	4
09JR1A0427	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	29	4
09JR1A0427	R32045	VLSI DESIGN	11	29	4
109T1A0406	R32042	MICROWAVE ENGINEERING	5	8	0
109T1A0406	R32043	DIGITAL SIGNAL PROCESSING	8	14	0
109T1A0406	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	11	-1	0
10BJ1A0218	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	0	0
10BJ1A0218	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	19	0
10BJ1A0218	R32025	POWER SEMICONDUCTOR DRIVES	2	0	0
10BJ1A0218	R32026	MANAGEMENT SCIENCE	0	0	0
10BJ1A0229	R32021	ELECTRICAL MACHINE DESIGN	6	0	0
10BJ1A0239	R32021	ELECTRICAL MACHINE DESIGN	13	-1	0
10BJ1A0239	R32023	UTILIZATION OF ELECTRICAL ENERGY	8	0	0
10BJ1A0239	R32024	MICROPROCESSORS AND MICROCONTROLLER	4	-1	0
10BJ1A0239	R32025	POWER SEMICONDUCTOR DRIVES	5	-1	0
10BJ1A0239	R32026	MANAGEMENT SCIENCE	3	0	0
10BJ1A0248	R32024	MICROPROCESSORS AND MICROCONTROLLER	5	26	0
10BJ1A0248	R32025	POWER SEMICONDUCTOR DRIVES	7	10	0
10BJ1A0311	R32034	INSTRUMENTATION & CONTROL SYSTEMS	9	-1	0
10BJ1A0313	R32034	INSTRUMENTATION & CONTROL SYSTEMS	13	32	4
10BJ1A0401	R32026	MANAGEMENT SCIENCE	23	48	4
10BJ1A0401	R32041	COMPUTER NETWORKS	25	66	4
10BJ1A0401	R32042	MICROWAVE ENGINEERING	25	33	4
10BJ1A0401	R32043	DIGITAL SIGNAL PROCESSING	24	48	4
10BJ1A0401	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	41	4
10BJ1A0401	R32045	VLSI DESIGN	24	47	4

Htno	Subcode	Subname	Internal	External	credits
10BJ1A0401	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
10BJ1A0401	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
10BJ1A0421	R32045	VLSI DESIGN	16	21	0
10BJ1A0436	R32026	MANAGEMENT SCIENCE	15	-1	0
10BJ1A0436	R32041	COMPUTER NETWORKS	7	-1	0
10BJ1A0436	R32042	MICROWAVE ENGINEERING	9	-1	0
10BJ1A0436	R32043	DIGITAL SIGNAL PROCESSING	10	-1	0
10BJ1A0436	R32045	VLSI DESIGN	8	-1	0
10BJ1A0441	R32041	COMPUTER NETWORKS	15	6	0
10BJ1A0443	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	4	-1	0
10BJ1A0452	R32045	VLSI DESIGN	20	-1	0
10BJ1A0524	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	12	13	0
10BJ1A0540	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	-1	0
10BJ1A0563	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	19	0
10BJ1A0570	R32026	MANAGEMENT SCIENCE	11	18	0
10BJ1A0570	R32051	ADVANCED COMPUTER NETWORKS	12	8	0
10BJ1A0570	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	5	0
10BJ1A0570	R32054	UNIX PROGRAMMING	14	9	0
10BJ1A0570	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	14	0
11A91A0293	R32022	POWER SYSTEM ANALYSIS	17	33	4
11A91A0293	R32023	UTILIZATION OF ELECTRICAL ENERGY	14	1	0
11A91A0293	R32025	POWER SEMICONDUCTOR DRIVES	15	11	0
11BJ1A0305	R32031	METROLOGY	15	4	0
11BJ1A0305	R32032	ROBOTICS	18	26	4
11BJ1A0305	R32033	HEAT TRANSFER	17	14	0
11BJ1A0305	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	41	4
11BJ1A0305	R32035	DESIGN OF MACHINE MEMBERS_II	16	12	0
11BJ1A0305	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	4	0
11BJ1A0308	R32032	ROBOTICS	15	29	4
11BJ1A0308	R32033	HEAT TRANSFER	14	0	0
11BJ1A0308	R32036	INDUSTRIAL ENGG. & MANAGEMENT	11	20	0
11BJ1A0309	R32032	ROBOTICS	17	3	0
11BJ1A0309	R32033	HEAT TRANSFER	19	17	0
11BJ1A0309	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	20	0
11BJ1A0312	R32031	METROLOGY	17	21	0
11BJ1A0312	R32033	HEAT TRANSFER	17	15	0
11BJ1A0312	R32035	DESIGN OF MACHINE MEMBERS_II	16	29	4
11BJ1A0316	R32032	ROBOTICS	14	28	4
11BJ1A0316	R32033	HEAT TRANSFER	16	9	0
11BJ1A0316	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	27	4
11BJ1A0316	R32035	DESIGN OF MACHINE MEMBERS_II	12	0	0
11BJ1A0316	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	49	4
11BJ1A0317	R32035	DESIGN OF MACHINE MEMBERS_II	15	27	4
11BJ1A0318	R32032	ROBOTICS	17	18	0
11BJ1A0320	R32032	ROBOTICS	14	16	0
11BJ1A0320	R32033	HEAT TRANSFER	15	2	0
11BJ1A0320	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	9	0
11BJ1A0322	R32031	METROLOGY	17	20	0
11BJ1A0326	R32033	HEAT TRANSFER	17	13	0
11BJ1A0326	R32035	DESIGN OF MACHINE MEMBERS_II	17	12	0
11BJ1A0326	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	27	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0327	R32032	ROBOTICS	17	4	0
11BJ1A0327	R32033	HEAT TRANSFER	18	16	0
11BJ1A0327	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	13	0
11BJ1A0327	R32035	DESIGN OF MACHINE MEMBERS_II	16	28	4
11BJ1A0327	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	0	0
11BJ1A0328	R32033	HEAT TRANSFER	17	31	4
11BJ1A0329	R32033	HEAT TRANSFER	14	5	0
11BJ1A0330	R32032	ROBOTICS	16	37	4
11BJ1A0330	R32033	HEAT TRANSFER	15	12	0
11BJ1A0403	R32042	MICROWAVE ENGINEERING	21	28	4
11BJ1A0405	R32042	MICROWAVE ENGINEERING	24	29	4
11BJ1A0405	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	44	4
11BJ1A0406	R32042	MICROWAVE ENGINEERING	23	40	4
11BJ1A0408	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	41	4
11BJ1A0410	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	33	4
11BJ1A0413	R32042	MICROWAVE ENGINEERING	21	39	4
11BJ1A0413	R32043	DIGITAL SIGNAL PROCESSING	23	26	4
11BJ1A0413	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	47	4
11BJ1A0414	R32041	COMPUTER NETWORKS	19	17	0
11BJ1A0414	R32042	MICROWAVE ENGINEERING	19	44	4
11BJ1A0417	R32041	COMPUTER NETWORKS	21	28	4
11BJ1A0417	R32043	DIGITAL SIGNAL PROCESSING	24	32	4
11BJ1A0417	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	39	4
11BJ1A0417	R32045	VLSI DESIGN	24	13	0
11BJ1A0419	R32042	MICROWAVE ENGINEERING	18	6	0
11BJ1A0419	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	33	4
11BJ1A0423	R32026	MANAGEMENT SCIENCE	11	-1	0
11BJ1A0423	R32041	COMPUTER NETWORKS	22	0	0
11BJ1A0423	R32042	MICROWAVE ENGINEERING	9	4	0
11BJ1A0423	R32043	DIGITAL SIGNAL PROCESSING	2	11	0
11BJ1A0423	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	30	4
11BJ1A0423	R32045	VLSI DESIGN	12	1	0
11BJ1A0426	R32041	COMPUTER NETWORKS	9	19	0
11BJ1A0426	R32042	MICROWAVE ENGINEERING	17	29	4
11BJ1A0426	R32043	DIGITAL SIGNAL PROCESSING	10	10	0
11BJ1A0426	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	34	4
11BJ1A0426	R32045	VLSI DESIGN	22	6	0
11BJ1A0428	R32043	DIGITAL SIGNAL PROCESSING	23	17	0
11BJ1A0430	R32042	MICROWAVE ENGINEERING	21	26	4
11BJ1A0430	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	35	4
11BJ1A0432	R32026	MANAGEMENT SCIENCE	16	16	0
11BJ1A0432	R32041	COMPUTER NETWORKS	20	33	4
11BJ1A0432	R32042	MICROWAVE ENGINEERING	0	27	0
11BJ1A0432	R32043	DIGITAL SIGNAL PROCESSING	16	32	4
11BJ1A0432	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	39	4
11BJ1A0432	R32045	VLSI DESIGN	15	30	4
11BJ1A0432	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	15	38	2
11BJ1A0432	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	15	10	0
11BJ1A0433	R32042	MICROWAVE ENGINEERING	19	34	4
11BJ1A0435	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	42	4
11BJ1A0437	R32042	MICROWAVE ENGINEERING	21	41	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0438	R32042	MICROWAVE ENGINEERING	23	51	4
11BJ1A0438	R32043	DIGITAL SIGNAL PROCESSING	21	36	4
11BJ1A0438	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	52	4
11BJ1A0438	R32045	VLSI DESIGN	19	35	4
11BJ1A0439	R32041	COMPUTER NETWORKS	19	2	0
11BJ1A0439	R32042	MICROWAVE ENGINEERING	17	29	4
11BJ1A0439	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	39	4
11BJ1A0441	R32043	DIGITAL SIGNAL PROCESSING	19	26	4
11BJ1A0441	R32045	VLSI DESIGN	22	27	4
11BJ1A0442	R32045	VLSI DESIGN	21	34	4
11BJ1A0443	R32041	COMPUTER NETWORKS	18	4	0
11BJ1A0443	R32042	MICROWAVE ENGINEERING	22	37	4
11BJ1A0443	R32043	DIGITAL SIGNAL PROCESSING	18	14	0
11BJ1A0443	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	33	4
11BJ1A0443	R32045	VLSI DESIGN	18	16	0
11BJ1A0445	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	-1	0
11BJ1A0446	R32042	MICROWAVE ENGINEERING	22	32	4
11BJ1A0446	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	27	4
11BJ1A0449	R32042	MICROWAVE ENGINEERING	18	26	4
11BJ1A0449	R32043	DIGITAL SIGNAL PROCESSING	19	34	4
11BJ1A0449	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	36	4
11BJ1A0451	R32026	MANAGEMENT SCIENCE	9	31	4
11BJ1A0451	R32041	COMPUTER NETWORKS	9	2	0
11BJ1A0451	R32042	MICROWAVE ENGINEERING	18	26	4
11BJ1A0451	R32043	DIGITAL SIGNAL PROCESSING	19	26	4
11BJ1A0451	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	35	4
11BJ1A0451	R32045	VLSI DESIGN	15	3	0
11BJ1A0453	R32042	MICROWAVE ENGINEERING	19	0	0
11BJ1A0453	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	33	4
11BJ1A0453	R32045	VLSI DESIGN	20	17	0
11BJ1A0456	R32042	MICROWAVE ENGINEERING	20	37	4
11BJ1A0458	R32042	MICROWAVE ENGINEERING	25	32	4
11BJ1A0466	R32041	COMPUTER NETWORKS	22	48	4
11BJ1A0466	R32043	DIGITAL SIGNAL PROCESSING	17	26	4
11BJ1A0466	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	34	4
11BJ1A0467	R32026	MANAGEMENT SCIENCE	13	0	0
11BJ1A0467	R32041	COMPUTER NETWORKS	18	0	0
11BJ1A0467	R32042	MICROWAVE ENGINEERING	16	6	0
11BJ1A0467	R32043	DIGITAL SIGNAL PROCESSING	18	-1	0
11BJ1A0467	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	45	4
11BJ1A0467	R32045	VLSI DESIGN	14	3	0
11BJ1A0468	R32041	COMPUTER NETWORKS	22	11	0
11BJ1A0468	R32043	DIGITAL SIGNAL PROCESSING	8	26	0
11BJ1A0471	R32042	MICROWAVE ENGINEERING	19	31	4
11BJ1A0471	R32043	DIGITAL SIGNAL PROCESSING	9	36	4
11BJ1A0471	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	47	4
11BJ1A0471	R32045	VLSI DESIGN	16	30	4
11BJ1A0472	R32043	DIGITAL SIGNAL PROCESSING	23	17	0
11BJ1A0473	R32026	MANAGEMENT SCIENCE	14	-1	0
11BJ1A0473	R32041	COMPUTER NETWORKS	0	-1	0
11BJ1A0473	R32042	MICROWAVE ENGINEERING	0	-1	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0473	R32043	DIGITAL SIGNAL PROCESSING	0	-1	0
11BJ1A0473	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	0	-1	0
11BJ1A0473	R32045	VLSI DESIGN	0	-1	0
11BJ1A0473	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	-1	0
11BJ1A0473	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	14	-1	0
11BJ1A0519	R32051	ADVANCED COMPUTER NETWORKS	15	27	4
11BJ1A0519	R32052	COMPUTER ARCHITECTURE	18	28	4
11BJ1A0521	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	37	4
11BJ1A0522	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	9	12	0
11BJ1A0524	R32054	UNIX PROGRAMMING	18	18	0
11BJ1A0524	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	32	4
11BJ1A0526	R32026	MANAGEMENT SCIENCE	18	14	0
11BJ1A0526	R32052	COMPUTER ARCHITECTURE	8	32	4
11BJ1A0526	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	14	1	0
11BJ1A0527	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	9	0
11BJ1A0527	R32054	UNIX PROGRAMMING	17	30	4
11BJ1A0528	R32051	ADVANCED COMPUTER NETWORKS	10	4	0
11BJ1A0528	R32052	COMPUTER ARCHITECTURE	11	29	4
11BJ1A0528	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	0	0
11BJ1A0535	R32051	ADVANCED COMPUTER NETWORKS	16	15	0
11BJ1A0535	R32052	COMPUTER ARCHITECTURE	14	50	4
11BJ1A0535	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	6	0
11BJ1A0536	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	4	0
11BJ1A0538	R32051	ADVANCED COMPUTER NETWORKS	15	14	0
11BJ1A0538	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	10	0
11BJ1A0540	R32052	COMPUTER ARCHITECTURE	13	29	4
11BJ1A0541	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	33	4
11BJ1A0542	R32051	ADVANCED COMPUTER NETWORKS	17	30	4
11BJ1A0542	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	16	0
11BJ1A0543	R32051	ADVANCED COMPUTER NETWORKS	16	6	0
11BJ1A0543	R32052	COMPUTER ARCHITECTURE	13	17	0
11BJ1A0543	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	3	0
11BJ1A0543	R32054	UNIX PROGRAMMING	10	14	0
11BJ1A0543	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	0	0
11BJ1A0544	R32054	UNIX PROGRAMMING	18	30	4
12BJ1A0201	R32021	ELECTRICAL MACHINE DESIGN	25	60	4
12BJ1A0201	R32022	POWER SYSTEM ANALYSIS	25	33	4
12BJ1A0201	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	50	4
12BJ1A0201	R32024	MICROPROCESSORS AND MICROCONTROLLER	25	57	4
12BJ1A0201	R32025	POWER SEMICONDUCTOR DRIVES	25	36	4
12BJ1A0201	R32026	MANAGEMENT SCIENCE	20	62	4
12BJ1A0201	R32027	POWER ELECTRONICS LAB	24	47	2
12BJ1A0201	R32028	ELECTRICAL MEASUREMENTS LAB	24	48	2
12BJ1A0202	R32021	ELECTRICAL MACHINE DESIGN	20	30	4
12BJ1A0202	R32022	POWER SYSTEM ANALYSIS	20	14	0
12BJ1A0202	R32023	UTILIZATION OF ELECTRICAL ENERGY	14	19	0
12BJ1A0202	R32024	MICROPROCESSORS AND MICROCONTROLLER	22	34	4
12BJ1A0202	R32025	POWER SEMICONDUCTOR DRIVES	17	8	0
12BJ1A0202	R32026	MANAGEMENT SCIENCE	19	26	4
12BJ1A0202	R32027	POWER ELECTRONICS LAB	15	35	2
12BJ1A0202	R32028	ELECTRICAL MEASUREMENTS LAB	15	36	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0203	R32021	ELECTRICAL MACHINE DESIGN	24	30	4
12BJ1A0203	R32022	POWER SYSTEM ANALYSIS	21	26	4
12BJ1A0203	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	10	0
12BJ1A0203	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	26	4
12BJ1A0203	R32025	POWER SEMICONDUCTOR DRIVES	25	18	0
12BJ1A0203	R32026	MANAGEMENT SCIENCE	17	31	4
12BJ1A0203	R32027	POWER ELECTRONICS LAB	23	44	2
12BJ1A0203	R32028	ELECTRICAL MEASUREMENTS LAB	23	45	2
12BJ1A0204	R32021	ELECTRICAL MACHINE DESIGN	23	40	4
12BJ1A0204	R32022	POWER SYSTEM ANALYSIS	25	26	4
12BJ1A0204	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	46	4
12BJ1A0204	R32024	MICROPROCESSORS AND MICROCONTROLLER	23	29	4
12BJ1A0204	R32025	POWER SEMICONDUCTOR DRIVES	24	43	4
12BJ1A0204	R32026	MANAGEMENT SCIENCE	19	32	4
12BJ1A0204	R32027	POWER ELECTRONICS LAB	24	50	2
12BJ1A0204	R32028	ELECTRICAL MEASUREMENTS LAB	24	50	2
12BJ1A0205	R32021	ELECTRICAL MACHINE DESIGN	25	38	4
12BJ1A0205	R32022	POWER SYSTEM ANALYSIS	23	26	4
12BJ1A0205	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	31	4
12BJ1A0205	R32024	MICROPROCESSORS AND MICROCONTROLLER	22	14	0
12BJ1A0205	R32025	POWER SEMICONDUCTOR DRIVES	23	28	4
12BJ1A0205	R32026	MANAGEMENT SCIENCE	18	26	4
12BJ1A0205	R32027	POWER ELECTRONICS LAB	24	47	2
12BJ1A0205	R32028	ELECTRICAL MEASUREMENTS LAB	24	48	2
12BJ1A0206	R32021	ELECTRICAL MACHINE DESIGN	25	53	4
12BJ1A0206	R32022	POWER SYSTEM ANALYSIS	24	28	4
12BJ1A0206	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	39	4
12BJ1A0206	R32024	MICROPROCESSORS AND MICROCONTROLLER	25	38	4
12BJ1A0206	R32025	POWER SEMICONDUCTOR DRIVES	25	44	4
12BJ1A0206	R32026	MANAGEMENT SCIENCE	23	47	4
12BJ1A0206	R32027	POWER ELECTRONICS LAB	25	48	2
12BJ1A0206	R32028	ELECTRICAL MEASUREMENTS LAB	25	50	2
12BJ1A0207	R32021	ELECTRICAL MACHINE DESIGN	24	40	4
12BJ1A0207	R32022	POWER SYSTEM ANALYSIS	22	26	4
12BJ1A0207	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	8	0
12BJ1A0207	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	38	4
12BJ1A0207	R32025	POWER SEMICONDUCTOR DRIVES	24	10	0
12BJ1A0207	R32026	MANAGEMENT SCIENCE	20	58	4
12BJ1A0207	R32027	POWER ELECTRONICS LAB	24	43	2
12BJ1A0207	R32028	ELECTRICAL MEASUREMENTS LAB	25	45	2
12BJ1A0208	R32021	ELECTRICAL MACHINE DESIGN	15	11	0
12BJ1A0208	R32022	POWER SYSTEM ANALYSIS	18	5	0
12BJ1A0208	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	30	4
12BJ1A0208	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	8	0
12BJ1A0208	R32025	POWER SEMICONDUCTOR DRIVES	15	7	0
12BJ1A0208	R32026	MANAGEMENT SCIENCE	14	45	4
12BJ1A0208	R32027	POWER ELECTRONICS LAB	15	40	2
12BJ1A0208	R32028	ELECTRICAL MEASUREMENTS LAB	20	37	2
12BJ1A0209	R32021	ELECTRICAL MACHINE DESIGN	12	-1	0
12BJ1A0209	R32022	POWER SYSTEM ANALYSIS	3	-1	0
12BJ1A0209	R32023	UTILIZATION OF ELECTRICAL ENERGY	0	-1	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0209	R32024	MICROPROCESSORS AND MICROCONTROLLER	0	-1	0
12BJ1A0209	R32025	POWER SEMICONDUCTOR DRIVES	0	-1	0
12BJ1A0209	R32026	MANAGEMENT SCIENCE	13	-1	0
12BJ1A0209	R32027	POWER ELECTRONICS LAB	15	-1	0
12BJ1A0209	R32028	ELECTRICAL MEASUREMENTS LAB	15	-1	0
12BJ1A0210	R32021	ELECTRICAL MACHINE DESIGN	17	9	0
12BJ1A0210	R32022	POWER SYSTEM ANALYSIS	18	0	0
12BJ1A0210	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	39	4
12BJ1A0210	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	10	0
12BJ1A0210	R32025	POWER SEMICONDUCTOR DRIVES	16	5	0
12BJ1A0210	R32026	MANAGEMENT SCIENCE	16	40	4
12BJ1A0210	R32027	POWER ELECTRONICS LAB	20	39	2
12BJ1A0210	R32028	ELECTRICAL MEASUREMENTS LAB	20	37	2
12BJ1A0211	R32021	ELECTRICAL MACHINE DESIGN	20	43	4
12BJ1A0211	R32022	POWER SYSTEM ANALYSIS	19	26	4
12BJ1A0211	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	7	0
12BJ1A0211	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	34	4
12BJ1A0211	R32025	POWER SEMICONDUCTOR DRIVES	19	27	4
12BJ1A0211	R32026	MANAGEMENT SCIENCE	14	51	4
12BJ1A0211	R32027	POWER ELECTRONICS LAB	20	39	2
12BJ1A0211	R32028	ELECTRICAL MEASUREMENTS LAB	21	43	2
12BJ1A0212	R32021	ELECTRICAL MACHINE DESIGN	19	11	0
12BJ1A0212	R32022	POWER SYSTEM ANALYSIS	17	5	0
12BJ1A0212	R32023	UTILIZATION OF ELECTRICAL ENERGY	7	25	0
12BJ1A0212	R32024	MICROPROCESSORS AND MICROCONTROLLER	10	8	0
12BJ1A0212	R32025	POWER SEMICONDUCTOR DRIVES	14	5	0
12BJ1A0212	R32026	MANAGEMENT SCIENCE	15	26	4
12BJ1A0212	R32027	POWER ELECTRONICS LAB	21	37	2
12BJ1A0212	R32028	ELECTRICAL MEASUREMENTS LAB	20	44	2
12BJ1A0214	R32021	ELECTRICAL MACHINE DESIGN	19	41	4
12BJ1A0214	R32022	POWER SYSTEM ANALYSIS	17	27	4
12BJ1A0214	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	47	4
12BJ1A0214	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	0	0
12BJ1A0214	R32025	POWER SEMICONDUCTOR DRIVES	23	34	4
12BJ1A0214	R32026	MANAGEMENT SCIENCE	16	33	4
12BJ1A0214	R32027	POWER ELECTRONICS LAB	22	44	2
12BJ1A0214	R32028	ELECTRICAL MEASUREMENTS LAB	20	41	2
12BJ1A0215	R32021	ELECTRICAL MACHINE DESIGN	0	-1	0
12BJ1A0215	R32022	POWER SYSTEM ANALYSIS	0	-1	0
12BJ1A0215	R32023	UTILIZATION OF ELECTRICAL ENERGY	0	-1	0
12BJ1A0215	R32024	MICROPROCESSORS AND MICROCONTROLLER	0	-1	0
12BJ1A0215	R32025	POWER SEMICONDUCTOR DRIVES	0	-1	0
12BJ1A0215	R32026	MANAGEMENT SCIENCE	0	-1	0
12BJ1A0215	R32027	POWER ELECTRONICS LAB	5	-1	0
12BJ1A0215	R32028	ELECTRICAL MEASUREMENTS LAB	5	-1	0
12BJ1A0216	R32021	ELECTRICAL MACHINE DESIGN	20	29	4
12BJ1A0216	R32022	POWER SYSTEM ANALYSIS	18	0	0
12BJ1A0216	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	9	0
12BJ1A0216	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	8	0
12BJ1A0216	R32025	POWER SEMICONDUCTOR DRIVES	18	30	4
12BJ1A0216	R32026	MANAGEMENT SCIENCE	18	33	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0216	R32027	POWER ELECTRONICS LAB	20	39	2
12BJ1A0216	R32028	ELECTRICAL MEASUREMENTS LAB	20	40	2
12BJ1A0217	R32021	ELECTRICAL MACHINE DESIGN	2	-1	0
12BJ1A0217	R32022	POWER SYSTEM ANALYSIS	0	-1	0
12BJ1A0217	R32023	UTILIZATION OF ELECTRICAL ENERGY	0	-1	0
12BJ1A0217	R32024	MICROPROCESSORS AND MICROCONTROLLER	0	-1	0
12BJ1A0217	R32025	POWER SEMICONDUCTOR DRIVES	0	-1	0
12BJ1A0217	R32026	MANAGEMENT SCIENCE	13	-1	0
12BJ1A0217	R32027	POWER ELECTRONICS LAB	15	-1	0
12BJ1A0217	R32028	ELECTRICAL MEASUREMENTS LAB	15	-1	0
12BJ1A0218	R32021	ELECTRICAL MACHINE DESIGN	19	12	0
12BJ1A0218	R32022	POWER SYSTEM ANALYSIS	20	10	0
12BJ1A0218	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	0	0
12BJ1A0218	R32024	MICROPROCESSORS AND MICROCONTROLLER	23	0	0
12BJ1A0218	R32025	POWER SEMICONDUCTOR DRIVES	22	0	0
12BJ1A0218	R32026	MANAGEMENT SCIENCE	16	3	0
12BJ1A0218	R32027	POWER ELECTRONICS LAB	23	38	2
12BJ1A0218	R32028	ELECTRICAL MEASUREMENTS LAB	19	43	2
12BJ1A0219	R32021	ELECTRICAL MACHINE DESIGN	20	8	0
12BJ1A0219	R32022	POWER SYSTEM ANALYSIS	21	30	4
12BJ1A0219	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	15	0
12BJ1A0219	R32024	MICROPROCESSORS AND MICROCONTROLLER	14	0	0
12BJ1A0219	R32025	POWER SEMICONDUCTOR DRIVES	14	1	0
12BJ1A0219	R32026	MANAGEMENT SCIENCE	17	28	4
12BJ1A0219	R32027	POWER ELECTRONICS LAB	24	38	2
12BJ1A0219	R32028	ELECTRICAL MEASUREMENTS LAB	21	46	2
12BJ1A0220	R32021	ELECTRICAL MACHINE DESIGN	17	29	4
12BJ1A0220	R32022	POWER SYSTEM ANALYSIS	17	7	0
12BJ1A0220	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	6	0
12BJ1A0220	R32024	MICROPROCESSORS AND MICROCONTROLLER	14	12	0
12BJ1A0220	R32025	POWER SEMICONDUCTOR DRIVES	20	2	0
12BJ1A0220	R32026	MANAGEMENT SCIENCE	17	37	4
12BJ1A0220	R32027	POWER ELECTRONICS LAB	20	38	2
12BJ1A0220	R32028	ELECTRICAL MEASUREMENTS LAB	19	41	2
12BJ1A0221	R32021	ELECTRICAL MACHINE DESIGN	19	12	0
12BJ1A0221	R32022	POWER SYSTEM ANALYSIS	18	11	0
12BJ1A0221	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	34	4
12BJ1A0221	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	13	0
12BJ1A0221	R32025	POWER SEMICONDUCTOR DRIVES	17	26	4
12BJ1A0221	R32026	MANAGEMENT SCIENCE	15	31	4
12BJ1A0221	R32027	POWER ELECTRONICS LAB	20	37	2
12BJ1A0221	R32028	ELECTRICAL MEASUREMENTS LAB	20	38	2
12BJ1A0222	R32021	ELECTRICAL MACHINE DESIGN	0	-1	0
12BJ1A0222	R32022	POWER SYSTEM ANALYSIS	0	-1	0
12BJ1A0222	R32023	UTILIZATION OF ELECTRICAL ENERGY	0	-1	0
12BJ1A0222	R32024	MICROPROCESSORS AND MICROCONTROLLER	0	-1	0
12BJ1A0222	R32025	POWER SEMICONDUCTOR DRIVES	0	-1	0
12BJ1A0222	R32026	MANAGEMENT SCIENCE	0	-1	0
12BJ1A0222	R32027	POWER ELECTRONICS LAB	5	-1	0
12BJ1A0222	R32028	ELECTRICAL MEASUREMENTS LAB	5	-1	0
12BJ1A0223	R32021	ELECTRICAL MACHINE DESIGN	22	26	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0223	R32022	POWER SYSTEM ANALYSIS	23	32	4
12BJ1A0223	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	26	4
12BJ1A0223	R32024	MICROPROCESSORS AND MICROCONTROLLER	23	40	4
12BJ1A0223	R32025	POWER SEMICONDUCTOR DRIVES	23	8	0
12BJ1A0223	R32026	MANAGEMENT SCIENCE	20	32	4
12BJ1A0223	R32027	POWER ELECTRONICS LAB	24	47	2
12BJ1A0223	R32028	ELECTRICAL MEASUREMENTS LAB	24	48	2
12BJ1A0224	R32021	ELECTRICAL MACHINE DESIGN	19	29	4
12BJ1A0224	R32022	POWER SYSTEM ANALYSIS	22	13	0
12BJ1A0224	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	37	4
12BJ1A0224	R32024	MICROPROCESSORS AND MICROCONTROLLER	22	34	4
12BJ1A0224	R32025	POWER SEMICONDUCTOR DRIVES	22	29	4
12BJ1A0224	R32026	MANAGEMENT SCIENCE	18	44	4
12BJ1A0224	R32027	POWER ELECTRONICS LAB	24	44	2
12BJ1A0224	R32028	ELECTRICAL MEASUREMENTS LAB	22	48	2
12BJ1A0225	R32021	ELECTRICAL MACHINE DESIGN	20	32	4
12BJ1A0225	R32022	POWER SYSTEM ANALYSIS	20	17	0
12BJ1A0225	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	40	4
12BJ1A0225	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	36	4
12BJ1A0225	R32025	POWER SEMICONDUCTOR DRIVES	20	33	4
12BJ1A0225	R32026	MANAGEMENT SCIENCE	17	46	4
12BJ1A0225	R32027	POWER ELECTRONICS LAB	23	38	2
12BJ1A0225	R32028	ELECTRICAL MEASUREMENTS LAB	21	48	2
12BJ1A0226	R32021	ELECTRICAL MACHINE DESIGN	23	39	4
12BJ1A0226	R32022	POWER SYSTEM ANALYSIS	22	26	4
12BJ1A0226	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	18	0
12BJ1A0226	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	20	0
12BJ1A0226	R32025	POWER SEMICONDUCTOR DRIVES	22	32	4
12BJ1A0226	R32026	MANAGEMENT SCIENCE	20	35	4
12BJ1A0226	R32027	POWER ELECTRONICS LAB	23	48	2
12BJ1A0226	R32028	ELECTRICAL MEASUREMENTS LAB	25	49	2
12BJ1A0227	R32021	ELECTRICAL MACHINE DESIGN	18	1	0
12BJ1A0227	R32022	POWER SYSTEM ANALYSIS	21	14	0
12BJ1A0227	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	11	0
12BJ1A0227	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	0	0
12BJ1A0227	R32025	POWER SEMICONDUCTOR DRIVES	19	2	0
12BJ1A0227	R32026	MANAGEMENT SCIENCE	17	12	0
12BJ1A0227	R32027	POWER ELECTRONICS LAB	20	39	2
12BJ1A0227	R32028	ELECTRICAL MEASUREMENTS LAB	19	44	2
12BJ1A0228	R32021	ELECTRICAL MACHINE DESIGN	17	42	4
12BJ1A0228	R32022	POWER SYSTEM ANALYSIS	20	26	4
12BJ1A0228	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	36	4
12BJ1A0228	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	44	4
12BJ1A0228	R32025	POWER SEMICONDUCTOR DRIVES	20	38	4
12BJ1A0228	R32026	MANAGEMENT SCIENCE	19	53	4
12BJ1A0228	R32027	POWER ELECTRONICS LAB	24	47	2
12BJ1A0228	R32028	ELECTRICAL MEASUREMENTS LAB	23	48	2
12BJ1A0229	R32021	ELECTRICAL MACHINE DESIGN	13	13	0
12BJ1A0229	R32022	POWER SYSTEM ANALYSIS	15	19	0
12BJ1A0229	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	23	0
12BJ1A0229	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	26	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0229	R32025	POWER SEMICONDUCTOR DRIVES	15	4	0
12BJ1A0229	R32026	MANAGEMENT SCIENCE	14	26	4
12BJ1A0229	R32027	POWER ELECTRONICS LAB	17	39	2
12BJ1A0229	R32028	ELECTRICAL MEASUREMENTS LAB	15	37	2
12BJ1A0230	R32021	ELECTRICAL MACHINE DESIGN	21	38	4
12BJ1A0230	R32022	POWER SYSTEM ANALYSIS	19	26	4
12BJ1A0230	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	26	4
12BJ1A0230	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	16	0
12BJ1A0230	R32025	POWER SEMICONDUCTOR DRIVES	16	17	0
12BJ1A0230	R32026	MANAGEMENT SCIENCE	19	11	0
12BJ1A0230	R32027	POWER ELECTRONICS LAB	22	39	2
12BJ1A0230	R32028	ELECTRICAL MEASUREMENTS LAB	22	39	2
12BJ1A0231	R32021	ELECTRICAL MACHINE DESIGN	0	2	0
12BJ1A0231	R32022	POWER SYSTEM ANALYSIS	0	0	0
12BJ1A0231	R32023	UTILIZATION OF ELECTRICAL ENERGY	0	1	0
12BJ1A0231	R32024	MICROPROCESSORS AND MICROCONTROLLER	13	0	0
12BJ1A0231	R32025	POWER SEMICONDUCTOR DRIVES	0	0	0
12BJ1A0231	R32026	MANAGEMENT SCIENCE	14	2	0
12BJ1A0231	R32027	POWER ELECTRONICS LAB	15	38	2
12BJ1A0231	R32028	ELECTRICAL MEASUREMENTS LAB	20	36	2
12BJ1A0232	R32021	ELECTRICAL MACHINE DESIGN	19	31	4
12BJ1A0232	R32022	POWER SYSTEM ANALYSIS	19	0	0
12BJ1A0232	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	1	0
12BJ1A0232	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	4	0
12BJ1A0232	R32025	POWER SEMICONDUCTOR DRIVES	17	1	0
12BJ1A0232	R32026	MANAGEMENT SCIENCE	19	0	0
12BJ1A0232	R32027	POWER ELECTRONICS LAB	15	34	2
12BJ1A0232	R32028	ELECTRICAL MEASUREMENTS LAB	19	36	2
12BJ1A0233	R32021	ELECTRICAL MACHINE DESIGN	24	40	4
12BJ1A0233	R32022	POWER SYSTEM ANALYSIS	22	33	4
12BJ1A0233	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	53	4
12BJ1A0233	R32024	MICROPROCESSORS AND MICROCONTROLLER	23	48	4
12BJ1A0233	R32025	POWER SEMICONDUCTOR DRIVES	20	48	4
12BJ1A0233	R32026	MANAGEMENT SCIENCE	20	50	4
12BJ1A0233	R32027	POWER ELECTRONICS LAB	22	49	2
12BJ1A0233	R32028	ELECTRICAL MEASUREMENTS LAB	22	48	2
12BJ1A0235	R32021	ELECTRICAL MACHINE DESIGN	21	51	4
12BJ1A0235	R32022	POWER SYSTEM ANALYSIS	24	35	4
12BJ1A0235	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	38	4
12BJ1A0235	R32024	MICROPROCESSORS AND MICROCONTROLLER	22	58	4
12BJ1A0235	R32025	POWER SEMICONDUCTOR DRIVES	22	33	4
12BJ1A0235	R32026	MANAGEMENT SCIENCE	20	35	4
12BJ1A0235	R32027	POWER ELECTRONICS LAB	22	49	2
12BJ1A0235	R32028	ELECTRICAL MEASUREMENTS LAB	22	47	2
12BJ1A0236	R32021	ELECTRICAL MACHINE DESIGN	20	3	0
12BJ1A0236	R32022	POWER SYSTEM ANALYSIS	21	15	0
12BJ1A0236	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	20	0
12BJ1A0236	R32024	MICROPROCESSORS AND MICROCONTROLLER	23	11	0
12BJ1A0236	R32025	POWER SEMICONDUCTOR DRIVES	18	7	0
12BJ1A0236	R32026	MANAGEMENT SCIENCE	20	17	0
12BJ1A0236	R32027	POWER ELECTRONICS LAB	22	35	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0236	R32028	ELECTRICAL MEASUREMENTS LAB	20	35	2
12BJ1A0238	R32021	ELECTRICAL MACHINE DESIGN	17	14	0
12BJ1A0238	R32022	POWER SYSTEM ANALYSIS	19	0	0
12BJ1A0238	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	0	0
12BJ1A0238	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	0	0
12BJ1A0238	R32025	POWER SEMICONDUCTOR DRIVES	17	0	0
12BJ1A0238	R32026	MANAGEMENT SCIENCE	16	0	0
12BJ1A0238	R32027	POWER ELECTRONICS LAB	20	34	2
12BJ1A0238	R32028	ELECTRICAL MEASUREMENTS LAB	19	38	2
12BJ1A0239	R32021	ELECTRICAL MACHINE DESIGN	20	7	0
12BJ1A0239	R32022	POWER SYSTEM ANALYSIS	21	17	0
12BJ1A0239	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	31	4
12BJ1A0239	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	29	4
12BJ1A0239	R32025	POWER SEMICONDUCTOR DRIVES	18	2	0
12BJ1A0239	R32026	MANAGEMENT SCIENCE	21	33	4
12BJ1A0239	R32027	POWER ELECTRONICS LAB	20	35	2
12BJ1A0239	R32028	ELECTRICAL MEASUREMENTS LAB	20	39	2
12BJ1A0240	R32021	ELECTRICAL MACHINE DESIGN	14	6	0
12BJ1A0240	R32022	POWER SYSTEM ANALYSIS	12	0	0
12BJ1A0240	R32023	UTILIZATION OF ELECTRICAL ENERGY	14	0	0
12BJ1A0240	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	0	0
12BJ1A0240	R32025	POWER SEMICONDUCTOR DRIVES	15	0	0
12BJ1A0240	R32026	MANAGEMENT SCIENCE	16	11	0
12BJ1A0240	R32027	POWER ELECTRONICS LAB	15	34	2
12BJ1A0240	R32028	ELECTRICAL MEASUREMENTS LAB	19	37	2
12BJ1A0241	R32021	ELECTRICAL MACHINE DESIGN	13	12	0
12BJ1A0241	R32022	POWER SYSTEM ANALYSIS	18	10	0
12BJ1A0241	R32023	UTILIZATION OF ELECTRICAL ENERGY	11	22	0
12BJ1A0241	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	0	0
12BJ1A0241	R32025	POWER SEMICONDUCTOR DRIVES	18	3	0
12BJ1A0241	R32026	MANAGEMENT SCIENCE	14	11	0
12BJ1A0241	R32027	POWER ELECTRONICS LAB	15	34	2
12BJ1A0241	R32028	ELECTRICAL MEASUREMENTS LAB	15	37	2
12BJ1A0242	R32021	ELECTRICAL MACHINE DESIGN	15	14	0
12BJ1A0242	R32022	POWER SYSTEM ANALYSIS	19	4	0
12BJ1A0242	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	2	0
12BJ1A0242	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	5	0
12BJ1A0242	R32025	POWER SEMICONDUCTOR DRIVES	15	1	0
12BJ1A0242	R32026	MANAGEMENT SCIENCE	15	0	0
12BJ1A0242	R32027	POWER ELECTRONICS LAB	20	35	2
12BJ1A0242	R32028	ELECTRICAL MEASUREMENTS LAB	20	38	2
12BJ1A0243	R32021	ELECTRICAL MACHINE DESIGN	14	4	0
12BJ1A0243	R32022	POWER SYSTEM ANALYSIS	13	12	0
12BJ1A0243	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	33	4
12BJ1A0243	R32024	MICROPROCESSORS AND MICROCONTROLLER	14	0	0
12BJ1A0243	R32025	POWER SEMICONDUCTOR DRIVES	14	5	0
12BJ1A0243	R32026	MANAGEMENT SCIENCE	16	5	0
12BJ1A0243	R32027	POWER ELECTRONICS LAB	23	36	2
12BJ1A0243	R32028	ELECTRICAL MEASUREMENTS LAB	23	36	2
12BJ1A0244	R32021	ELECTRICAL MACHINE DESIGN	14	27	4
12BJ1A0244	R32022	POWER SYSTEM ANALYSIS	16	9	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0244	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	38	4
12BJ1A0244	R32024	MICROPROCESSORS AND MICROCONTROLLER	12	0	0
12BJ1A0244	R32025	POWER SEMICONDUCTOR DRIVES	13	0	0
12BJ1A0244	R32026	MANAGEMENT SCIENCE	12	28	4
12BJ1A0244	R32027	POWER ELECTRONICS LAB	23	37	2
12BJ1A0244	R32028	ELECTRICAL MEASUREMENTS LAB	23	37	2
12BJ1A0245	R32021	ELECTRICAL MACHINE DESIGN	24	9	0
12BJ1A0245	R32022	POWER SYSTEM ANALYSIS	19	10	0
12BJ1A0245	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	33	4
12BJ1A0245	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	19	0
12BJ1A0245	R32025	POWER SEMICONDUCTOR DRIVES	18	8	0
12BJ1A0245	R32026	MANAGEMENT SCIENCE	18	32	4
12BJ1A0245	R32027	POWER ELECTRONICS LAB	23	40	2
12BJ1A0245	R32028	ELECTRICAL MEASUREMENTS LAB	23	45	2
12BJ1A0246	R32021	ELECTRICAL MACHINE DESIGN	10	30	4
12BJ1A0246	R32022	POWER SYSTEM ANALYSIS	21	6	0
12BJ1A0246	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	10	0
12BJ1A0246	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	5	0
12BJ1A0246	R32025	POWER SEMICONDUCTOR DRIVES	15	7	0
12BJ1A0246	R32026	MANAGEMENT SCIENCE	16	47	4
12BJ1A0246	R32027	POWER ELECTRONICS LAB	20	43	2
12BJ1A0246	R32028	ELECTRICAL MEASUREMENTS LAB	23	40	2
12BJ1A0301	R32031	METROLOGY	19	47	4
12BJ1A0301	R32032	ROBOTICS	20	54	4
12BJ1A0301	R32033	HEAT TRANSFER	18	37	4
12BJ1A0301	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	38	4
12BJ1A0301	R32035	DESIGN OF MACHINE MEMBERS_II	20	41	4
12BJ1A0301	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	46	4
12BJ1A0301	R32037	METROLOGY & INSTRUMENTATION LAB	21	48	2
12BJ1A0301	R32038	HEAT TRANSFER LAB	23	47	2
12BJ1A0302	R32031	METROLOGY	23	58	4
12BJ1A0302	R32032	ROBOTICS	24	48	4
12BJ1A0302	R32033	HEAT TRANSFER	20	47	4
12BJ1A0302	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	51	4
12BJ1A0302	R32035	DESIGN OF MACHINE MEMBERS_II	20	50	4
12BJ1A0302	R32036	INDUSTRIAL ENGG. & MANAGEMENT	23	13	0
12BJ1A0302	R32037	METROLOGY & INSTRUMENTATION LAB	23	46	2
12BJ1A0302	R32038	HEAT TRANSFER LAB	22	45	2
12BJ1A0303	R32031	METROLOGY	19	37	4
12BJ1A0303	R32032	ROBOTICS	22	12	0
12BJ1A0303	R32033	HEAT TRANSFER	16	35	4
12BJ1A0303	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	32	4
12BJ1A0303	R32035	DESIGN OF MACHINE MEMBERS_II	20	29	4
12BJ1A0303	R32036	INDUSTRIAL ENGG. & MANAGEMENT	24	50	4
12BJ1A0303	R32037	METROLOGY & INSTRUMENTATION LAB	23	45	2
12BJ1A0303	R32038	HEAT TRANSFER LAB	23	45	2
12BJ1A0304	R32031	METROLOGY	19	26	4
12BJ1A0304	R32032	ROBOTICS	19	9	0
12BJ1A0304	R32033	HEAT TRANSFER	16	18	0
12BJ1A0304	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	40	4
12BJ1A0304	R32035	DESIGN OF MACHINE MEMBERS_II	17	32	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0304	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	26	4
12BJ1A0304	R32037	METROLOGY & INSTRUMENTATION LAB	21	46	2
12BJ1A0304	R32038	HEAT TRANSFER LAB	22	44	2
12BJ1A0305	R32031	METROLOGY	18	64	4
12BJ1A0305	R32032	ROBOTICS	21	60	4
12BJ1A0305	R32033	HEAT TRANSFER	18	52	4
12BJ1A0305	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	51	4
12BJ1A0305	R32035	DESIGN OF MACHINE MEMBERS_II	14	44	4
12BJ1A0305	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	57	4
12BJ1A0305	R32037	METROLOGY & INSTRUMENTATION LAB	23	48	2
12BJ1A0305	R32038	HEAT TRANSFER LAB	24	48	2
12BJ1A0306	R32031	METROLOGY	19	15	0
12BJ1A0306	R32032	ROBOTICS	20	35	4
12BJ1A0306	R32033	HEAT TRANSFER	14	43	4
12BJ1A0306	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	14	0
12BJ1A0306	R32035	DESIGN OF MACHINE MEMBERS_II	18	48	4
12BJ1A0306	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	9	0
12BJ1A0306	R32037	METROLOGY & INSTRUMENTATION LAB	20	45	2
12BJ1A0306	R32038	HEAT TRANSFER LAB	25	46	2
12BJ1A0307	R32031	METROLOGY	18	10	0
12BJ1A0307	R32032	ROBOTICS	12	2	0
12BJ1A0307	R32033	HEAT TRANSFER	17	4	0
12BJ1A0307	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	0	0
12BJ1A0307	R32035	DESIGN OF MACHINE MEMBERS_II	15	10	0
12BJ1A0307	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	7	0
12BJ1A0307	R32037	METROLOGY & INSTRUMENTATION LAB	19	45	2
12BJ1A0307	R32038	HEAT TRANSFER LAB	23	42	2
12BJ1A0308	R32031	METROLOGY	22	41	4
12BJ1A0308	R32032	ROBOTICS	23	26	4
12BJ1A0308	R32033	HEAT TRANSFER	23	38	4
12BJ1A0308	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	35	4
12BJ1A0308	R32035	DESIGN OF MACHINE MEMBERS_II	22	42	4
12BJ1A0308	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	31	4
12BJ1A0308	R32037	METROLOGY & INSTRUMENTATION LAB	20	46	2
12BJ1A0308	R32038	HEAT TRANSFER LAB	22	44	2
12BJ1A0309	R32031	METROLOGY	21	30	4
12BJ1A0309	R32032	ROBOTICS	24	16	0
12BJ1A0309	R32033	HEAT TRANSFER	14	26	4
12BJ1A0309	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	0	0
12BJ1A0309	R32035	DESIGN OF MACHINE MEMBERS_II	15	0	0
12BJ1A0309	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	2	0
12BJ1A0309	R32037	METROLOGY & INSTRUMENTATION LAB	20	45	2
12BJ1A0309	R32038	HEAT TRANSFER LAB	22	44	2
12BJ1A0310	R32031	METROLOGY	24	37	4
12BJ1A0310	R32032	ROBOTICS	24	46	4
12BJ1A0310	R32033	HEAT TRANSFER	18	46	4
12BJ1A0310	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	35	4
12BJ1A0310	R32035	DESIGN OF MACHINE MEMBERS_II	23	47	4
12BJ1A0310	R32036	INDUSTRIAL ENGG. & MANAGEMENT	22	13	0
12BJ1A0310	R32037	METROLOGY & INSTRUMENTATION LAB	23	44	2
12BJ1A0310	R32038	HEAT TRANSFER LAB	22	42	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0311	R32031	METROLOGY	16	15	0
12BJ1A0311	R32032	ROBOTICS	19	13	0
12BJ1A0311	R32033	HEAT TRANSFER	18	8	0
12BJ1A0311	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	9	0
12BJ1A0311	R32035	DESIGN OF MACHINE MEMBERS_II	19	11	0
12BJ1A0311	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	29	4
12BJ1A0311	R32037	METROLOGY & INSTRUMENTATION LAB	21	37	2
12BJ1A0311	R32038	HEAT TRANSFER LAB	22	42	2
12BJ1A0312	R32031	METROLOGY	17	18	0
12BJ1A0312	R32032	ROBOTICS	20	9	0
12BJ1A0312	R32033	HEAT TRANSFER	17	18	0
12BJ1A0312	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	26	4
12BJ1A0312	R32035	DESIGN OF MACHINE MEMBERS_II	19	28	4
12BJ1A0312	R32036	INDUSTRIAL ENGG. & MANAGEMENT	22	1	0
12BJ1A0312	R32037	METROLOGY & INSTRUMENTATION LAB	18	44	2
12BJ1A0312	R32038	HEAT TRANSFER LAB	23	47	2
12BJ1A0313	R32031	METROLOGY	16	32	4
12BJ1A0313	R32032	ROBOTICS	20	35	4
12BJ1A0313	R32033	HEAT TRANSFER	15	0	0
12BJ1A0313	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	6	0
12BJ1A0313	R32035	DESIGN OF MACHINE MEMBERS_II	15	4	0
12BJ1A0313	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	32	4
12BJ1A0313	R32037	METROLOGY & INSTRUMENTATION LAB	18	45	2
12BJ1A0313	R32038	HEAT TRANSFER LAB	23	46	2
12BJ1A0314	R32031	METROLOGY	15	-1	0
12BJ1A0314	R32032	ROBOTICS	14	-1	0
12BJ1A0314	R32033	HEAT TRANSFER	14	-1	0
12BJ1A0314	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	-1	0
12BJ1A0314	R32035	DESIGN OF MACHINE MEMBERS_II	14	-1	0
12BJ1A0314	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	-1	0
12BJ1A0314	R32037	METROLOGY & INSTRUMENTATION LAB	23	-1	0
12BJ1A0314	R32038	HEAT TRANSFER LAB	22	-1	0
12BJ1A0315	R32031	METROLOGY	23	47	4
12BJ1A0315	R32032	ROBOTICS	23	35	4
12BJ1A0315	R32033	HEAT TRANSFER	19	35	4
12BJ1A0315	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	35	4
12BJ1A0315	R32035	DESIGN OF MACHINE MEMBERS_II	20	39	4
12BJ1A0315	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	52	4
12BJ1A0315	R32037	METROLOGY & INSTRUMENTATION LAB	20	47	2
12BJ1A0315	R32038	HEAT TRANSFER LAB	25	47	2
12BJ1A0316	R32031	METROLOGY	19	18	0
12BJ1A0316	R32032	ROBOTICS	22	5	0
12BJ1A0316	R32033	HEAT TRANSFER	19	26	4
12BJ1A0316	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	7	0
12BJ1A0316	R32035	DESIGN OF MACHINE MEMBERS_II	20	29	4
12BJ1A0316	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	11	0
12BJ1A0316	R32037	METROLOGY & INSTRUMENTATION LAB	22	47	2
12BJ1A0316	R32038	HEAT TRANSFER LAB	23	46	2
12BJ1A0317	R32031	METROLOGY	14	43	4
12BJ1A0317	R32032	ROBOTICS	20	52	4
12BJ1A0317	R32033	HEAT TRANSFER	15	26	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0317	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	26	4
12BJ1A0317	R32035	DESIGN OF MACHINE MEMBERS_II	17	38	4
12BJ1A0317	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	49	4
12BJ1A0317	R32037	METROLOGY & INSTRUMENTATION LAB	18	37	2
12BJ1A0317	R32038	HEAT TRANSFER LAB	24	48	2
12BJ1A0318	R32031	METROLOGY	16	38	4
12BJ1A0318	R32032	ROBOTICS	22	38	4
12BJ1A0318	R32033	HEAT TRANSFER	16	32	4
12BJ1A0318	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	41	4
12BJ1A0318	R32035	DESIGN OF MACHINE MEMBERS_II	16	42	4
12BJ1A0318	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	35	4
12BJ1A0318	R32037	METROLOGY & INSTRUMENTATION LAB	18	48	2
12BJ1A0318	R32038	HEAT TRANSFER LAB	22	44	2
12BJ1A0319	R32031	METROLOGY	17	2	0
12BJ1A0319	R32032	ROBOTICS	16	2	0
12BJ1A0319	R32033	HEAT TRANSFER	14	0	0
12BJ1A0319	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	0	0
12BJ1A0319	R32035	DESIGN OF MACHINE MEMBERS_II	14	9	0
12BJ1A0319	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	0	0
12BJ1A0319	R32037	METROLOGY & INSTRUMENTATION LAB	21	47	2
12BJ1A0319	R32038	HEAT TRANSFER LAB	22	40	2
12BJ1A0320	R32031	METROLOGY	14	4	0
12BJ1A0320	R32032	ROBOTICS	14	0	0
12BJ1A0320	R32033	HEAT TRANSFER	15	10	0
12BJ1A0320	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	0	0
12BJ1A0320	R32035	DESIGN OF MACHINE MEMBERS_II	14	33	4
12BJ1A0320	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	6	0
12BJ1A0320	R32037	METROLOGY & INSTRUMENTATION LAB	22	46	2
12BJ1A0320	R32038	HEAT TRANSFER LAB	23	45	2
12BJ1A0321	R32031	METROLOGY	18	43	4
12BJ1A0321	R32032	ROBOTICS	17	50	4
12BJ1A0321	R32033	HEAT TRANSFER	14	36	4
12BJ1A0321	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	11	0
12BJ1A0321	R32035	DESIGN OF MACHINE MEMBERS_II	20	10	0
12BJ1A0321	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	43	4
12BJ1A0321	R32037	METROLOGY & INSTRUMENTATION LAB	21	45	2
12BJ1A0321	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0322	R32031	METROLOGY	16	14	0
12BJ1A0322	R32032	ROBOTICS	18	0	0
12BJ1A0322	R32033	HEAT TRANSFER	14	0	0
12BJ1A0322	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	0	0
12BJ1A0322	R32035	DESIGN OF MACHINE MEMBERS_II	19	2	0
12BJ1A0322	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	0	0
12BJ1A0322	R32037	METROLOGY & INSTRUMENTATION LAB	19	45	2
12BJ1A0322	R32038	HEAT TRANSFER LAB	22	41	2
12BJ1A0323	R32031	METROLOGY	20	34	4
12BJ1A0323	R32032	ROBOTICS	23	40	4
12BJ1A0323	R32033	HEAT TRANSFER	17	16	0
12BJ1A0323	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	27	4
12BJ1A0323	R32035	DESIGN OF MACHINE MEMBERS_II	15	37	4
12BJ1A0323	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	-1	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0323	R32037	METROLOGY & INSTRUMENTATION LAB	19	45	2
12BJ1A0323	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0324	R32031	METROLOGY	20	34	4
12BJ1A0324	R32032	ROBOTICS	21	26	4
12BJ1A0324	R32033	HEAT TRANSFER	18	40	4
12BJ1A0324	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	44	4
12BJ1A0324	R32035	DESIGN OF MACHINE MEMBERS_II	24	50	4
12BJ1A0324	R32036	INDUSTRIAL ENGG. & MANAGEMENT	13	36	4
12BJ1A0324	R32037	METROLOGY & INSTRUMENTATION LAB	23	46	2
12BJ1A0324	R32038	HEAT TRANSFER LAB	25	50	2
12BJ1A0325	R32031	METROLOGY	18	47	4
12BJ1A0325	R32032	ROBOTICS	21	46	4
12BJ1A0325	R32033	HEAT TRANSFER	15	37	4
12BJ1A0325	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	26	4
12BJ1A0325	R32035	DESIGN OF MACHINE MEMBERS_II	23	29	4
12BJ1A0325	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	36	4
12BJ1A0325	R32037	METROLOGY & INSTRUMENTATION LAB	20	46	2
12BJ1A0325	R32038	HEAT TRANSFER LAB	24	49	2
12BJ1A0326	R32031	METROLOGY	23	33	4
12BJ1A0326	R32032	ROBOTICS	24	37	4
12BJ1A0326	R32033	HEAT TRANSFER	16	37	4
12BJ1A0326	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	41	4
12BJ1A0326	R32035	DESIGN OF MACHINE MEMBERS_II	24	26	4
12BJ1A0326	R32036	INDUSTRIAL ENGG. & MANAGEMENT	22	21	0
12BJ1A0326	R32037	METROLOGY & INSTRUMENTATION LAB	19	45	2
12BJ1A0326	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0327	R32031	METROLOGY	24	27	4
12BJ1A0327	R32032	ROBOTICS	24	37	4
12BJ1A0327	R32033	HEAT TRANSFER	15	15	0
12BJ1A0327	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	28	4
12BJ1A0327	R32035	DESIGN OF MACHINE MEMBERS_II	20	41	4
12BJ1A0327	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	36	4
12BJ1A0327	R32037	METROLOGY & INSTRUMENTATION LAB	20	46	2
12BJ1A0327	R32038	HEAT TRANSFER LAB	24	41	2
12BJ1A0328	R32031	METROLOGY	19	20	0
12BJ1A0328	R32032	ROBOTICS	22	29	4
12BJ1A0328	R32033	HEAT TRANSFER	16	20	0
12BJ1A0328	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	26	4
12BJ1A0328	R32035	DESIGN OF MACHINE MEMBERS_II	14	45	4
12BJ1A0328	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	29	4
12BJ1A0328	R32037	METROLOGY & INSTRUMENTATION LAB	19	45	2
12BJ1A0328	R32038	HEAT TRANSFER LAB	22	41	2
12BJ1A0329	R32031	METROLOGY	15	39	4
12BJ1A0329	R32032	ROBOTICS	19	48	4
12BJ1A0329	R32033	HEAT TRANSFER	16	27	4
12BJ1A0329	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	18	0
12BJ1A0329	R32035	DESIGN OF MACHINE MEMBERS_II	19	5	0
12BJ1A0329	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	42	4
12BJ1A0329	R32037	METROLOGY & INSTRUMENTATION LAB	18	47	2
12BJ1A0329	R32038	HEAT TRANSFER LAB	22	41	2
12BJ1A0330	R32031	METROLOGY	17	30	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0330	R32032	ROBOTICS	16	35	4
12BJ1A0330	R32033	HEAT TRANSFER	15	14	0
12BJ1A0330	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	10	0
12BJ1A0330	R32035	DESIGN OF MACHINE MEMBERS_II	21	35	4
12BJ1A0330	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	14	0
12BJ1A0330	R32037	METROLOGY & INSTRUMENTATION LAB	21	46	2
12BJ1A0330	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0331	R32031	METROLOGY	21	26	4
12BJ1A0331	R32032	ROBOTICS	15	16	0
12BJ1A0331	R32033	HEAT TRANSFER	20	32	4
12BJ1A0331	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	26	4
12BJ1A0331	R32035	DESIGN OF MACHINE MEMBERS_II	20	17	0
12BJ1A0331	R32036	INDUSTRIAL ENGG. & MANAGEMENT	23	28	4
12BJ1A0331	R32037	METROLOGY & INSTRUMENTATION LAB	23	37	2
12BJ1A0331	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0332	R32031	METROLOGY	21	32	4
12BJ1A0332	R32032	ROBOTICS	23	35	4
12BJ1A0332	R32033	HEAT TRANSFER	19	29	4
12BJ1A0332	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	41	4
12BJ1A0332	R32035	DESIGN OF MACHINE MEMBERS_II	19	39	4
12BJ1A0332	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	26	4
12BJ1A0332	R32037	METROLOGY & INSTRUMENTATION LAB	18	37	2
12BJ1A0332	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0333	R32031	METROLOGY	15	-1	0
12BJ1A0333	R32032	ROBOTICS	21	32	4
12BJ1A0333	R32033	HEAT TRANSFER	16	28	4
12BJ1A0333	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	0	0
12BJ1A0333	R32035	DESIGN OF MACHINE MEMBERS_II	14	2	0
12BJ1A0333	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	47	4
12BJ1A0333	R32037	METROLOGY & INSTRUMENTATION LAB	20	37	2
12BJ1A0333	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0334	R32031	METROLOGY	24	16	0
12BJ1A0334	R32032	ROBOTICS	22	4	0
12BJ1A0334	R32033	HEAT TRANSFER	19	7	0
12BJ1A0334	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	15	0
12BJ1A0334	R32035	DESIGN OF MACHINE MEMBERS_II	19	10	0
12BJ1A0334	R32036	INDUSTRIAL ENGG. & MANAGEMENT	24	11	0
12BJ1A0334	R32037	METROLOGY & INSTRUMENTATION LAB	19	47	2
12BJ1A0334	R32038	HEAT TRANSFER LAB	23	45	2
12BJ1A0336	R32031	METROLOGY	17	26	4
12BJ1A0336	R32032	ROBOTICS	22	34	4
12BJ1A0336	R32033	HEAT TRANSFER	17	16	0
12BJ1A0336	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	31	4
12BJ1A0336	R32035	DESIGN OF MACHINE MEMBERS_II	19	29	4
12BJ1A0336	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	45	4
12BJ1A0336	R32037	METROLOGY & INSTRUMENTATION LAB	20	47	2
12BJ1A0336	R32038	HEAT TRANSFER LAB	22	42	2
12BJ1A0337	R32031	METROLOGY	18	11	0
12BJ1A0337	R32032	ROBOTICS	23	36	4
12BJ1A0337	R32033	HEAT TRANSFER	24	4	0
12BJ1A0337	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	43	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0337	R32035	DESIGN OF MACHINE MEMBERS_II	21	48	4
12BJ1A0337	R32036	INDUSTRIAL ENGG. & MANAGEMENT	23	2	0
12BJ1A0337	R32037	METROLOGY & INSTRUMENTATION LAB	22	37	2
12BJ1A0337	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0338	R32031	METROLOGY	22	53	4
12BJ1A0338	R32032	ROBOTICS	20	50	4
12BJ1A0338	R32033	HEAT TRANSFER	16	41	4
12BJ1A0338	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	28	4
12BJ1A0338	R32035	DESIGN OF MACHINE MEMBERS_II	20	38	4
12BJ1A0338	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	51	4
12BJ1A0338	R32037	METROLOGY & INSTRUMENTATION LAB	21	45	2
12BJ1A0338	R32038	HEAT TRANSFER LAB	24	47	2
12BJ1A0339	R32031	METROLOGY	15	2	0
12BJ1A0339	R32032	ROBOTICS	13	6	0
12BJ1A0339	R32033	HEAT TRANSFER	15	0	0
12BJ1A0339	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	3	0
12BJ1A0339	R32035	DESIGN OF MACHINE MEMBERS_II	15	7	0
12BJ1A0339	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	13	0
12BJ1A0339	R32037	METROLOGY & INSTRUMENTATION LAB	20	44	2
12BJ1A0339	R32038	HEAT TRANSFER LAB	23	45	2
12BJ1A0340	R32031	METROLOGY	18	6	0
12BJ1A0340	R32032	ROBOTICS	16	2	0
12BJ1A0340	R32033	HEAT TRANSFER	18	0	0
12BJ1A0340	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	11	0
12BJ1A0340	R32035	DESIGN OF MACHINE MEMBERS_II	15	12	0
12BJ1A0340	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	0	0
12BJ1A0340	R32037	METROLOGY & INSTRUMENTATION LAB	17	48	2
12BJ1A0340	R32038	HEAT TRANSFER LAB	22	41	2
12BJ1A0341	R32031	METROLOGY	19	26	4
12BJ1A0341	R32032	ROBOTICS	21	33	4
12BJ1A0341	R32033	HEAT TRANSFER	14	26	4
12BJ1A0341	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	14	0
12BJ1A0341	R32035	DESIGN OF MACHINE MEMBERS_II	18	50	4
12BJ1A0341	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	12	0
12BJ1A0341	R32037	METROLOGY & INSTRUMENTATION LAB	19	44	2
12BJ1A0341	R32038	HEAT TRANSFER LAB	23	42	2
12BJ1A0342	R32031	METROLOGY	24	43	4
12BJ1A0342	R32032	ROBOTICS	25	36	4
12BJ1A0342	R32033	HEAT TRANSFER	23	34	4
12BJ1A0342	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	7	0
12BJ1A0342	R32035	DESIGN OF MACHINE MEMBERS_II	21	9	0
12BJ1A0342	R32036	INDUSTRIAL ENGG. & MANAGEMENT	23	49	4
12BJ1A0342	R32037	METROLOGY & INSTRUMENTATION LAB	22	45	2
12BJ1A0342	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0343	R32031	METROLOGY	17	29	4
12BJ1A0343	R32032	ROBOTICS	21	41	4
12BJ1A0343	R32033	HEAT TRANSFER	18	5	0
12BJ1A0343	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	9	0
12BJ1A0343	R32035	DESIGN OF MACHINE MEMBERS_II	18	35	4
12BJ1A0343	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	13	0
12BJ1A0343	R32037	METROLOGY & INSTRUMENTATION LAB	22	45	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0343	R32038	HEAT TRANSFER LAB	23	45	2
12BJ1A0344	R32031	METROLOGY	22	54	4
12BJ1A0344	R32032	ROBOTICS	24	37	4
12BJ1A0344	R32033	HEAT TRANSFER	23	49	4
12BJ1A0344	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	44	4
12BJ1A0344	R32035	DESIGN OF MACHINE MEMBERS_II	19	43	4
12BJ1A0344	R32036	INDUSTRIAL ENGG. & MANAGEMENT	25	52	4
12BJ1A0344	R32037	METROLOGY & INSTRUMENTATION LAB	21	47	2
12BJ1A0344	R32038	HEAT TRANSFER LAB	24	46	2
12BJ1A0345	R32031	METROLOGY	19	26	4
12BJ1A0345	R32032	ROBOTICS	17	42	4
12BJ1A0345	R32033	HEAT TRANSFER	15	27	4
12BJ1A0345	R32034	INSTRUMENTATION & CONTROL SYSTEMS	13	33	4
12BJ1A0345	R32035	DESIGN OF MACHINE MEMBERS_II	14	51	4
12BJ1A0345	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	15	0
12BJ1A0345	R32037	METROLOGY & INSTRUMENTATION LAB	24	46	2
12BJ1A0345	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0346	R32031	METROLOGY	18	32	4
12BJ1A0346	R32032	ROBOTICS	20	43	4
12BJ1A0346	R32033	HEAT TRANSFER	18	26	4
12BJ1A0346	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	26	4
12BJ1A0346	R32035	DESIGN OF MACHINE MEMBERS_II	16	37	4
12BJ1A0346	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	44	4
12BJ1A0346	R32037	METROLOGY & INSTRUMENTATION LAB	22	37	2
12BJ1A0346	R32038	HEAT TRANSFER LAB	24	44	2
12BJ1A0347	R32031	METROLOGY	19	15	0
12BJ1A0347	R32032	ROBOTICS	21	26	4
12BJ1A0347	R32033	HEAT TRANSFER	15	7	0
12BJ1A0347	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	1	0
12BJ1A0347	R32035	DESIGN OF MACHINE MEMBERS_II	20	29	4
12BJ1A0347	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	8	0
12BJ1A0347	R32037	METROLOGY & INSTRUMENTATION LAB	21	45	2
12BJ1A0347	R32038	HEAT TRANSFER LAB	23	45	2
12BJ1A0348	R32031	METROLOGY	18	11	0
12BJ1A0348	R32032	ROBOTICS	20	14	0
12BJ1A0348	R32033	HEAT TRANSFER	14	17	0
12BJ1A0348	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	11	0
12BJ1A0348	R32035	DESIGN OF MACHINE MEMBERS_II	18	26	4
12BJ1A0348	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	26	4
12BJ1A0348	R32037	METROLOGY & INSTRUMENTATION LAB	22	45	2
12BJ1A0348	R32038	HEAT TRANSFER LAB	24	46	2
12BJ1A0349	R32031	METROLOGY	16	13	0
12BJ1A0349	R32032	ROBOTICS	13	39	4
12BJ1A0349	R32033	HEAT TRANSFER	15	-1	0
12BJ1A0349	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	0	0
12BJ1A0349	R32035	DESIGN OF MACHINE MEMBERS_II	14	3	0
12BJ1A0349	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	6	0
12BJ1A0349	R32037	METROLOGY & INSTRUMENTATION LAB	18	37	2
12BJ1A0349	R32038	HEAT TRANSFER LAB	23	45	2
12BJ1A0350	R32031	METROLOGY	21	32	4
12BJ1A0350	R32032	ROBOTICS	19	54	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0350	R32033	HEAT TRANSFER	17	19	0
12BJ1A0350	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	18	0
12BJ1A0350	R32035	DESIGN OF MACHINE MEMBERS_II	21	38	4
12BJ1A0350	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	15	0
12BJ1A0350	R32037	METROLOGY & INSTRUMENTATION LAB	22	45	2
12BJ1A0350	R32038	HEAT TRANSFER LAB	23	46	2
12BJ1A0351	R32031	METROLOGY	19	38	4
12BJ1A0351	R32032	ROBOTICS	21	44	4
12BJ1A0351	R32033	HEAT TRANSFER	17	31	4
12BJ1A0351	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	27	4
12BJ1A0351	R32035	DESIGN OF MACHINE MEMBERS_II	20	36	4
12BJ1A0351	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	41	4
12BJ1A0351	R32037	METROLOGY & INSTRUMENTATION LAB	21	47	2
12BJ1A0351	R32038	HEAT TRANSFER LAB	23	45	2
12BJ1A0352	R32031	METROLOGY	18	52	4
12BJ1A0352	R32032	ROBOTICS	23	26	4
12BJ1A0352	R32033	HEAT TRANSFER	16	38	4
12BJ1A0352	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	27	4
12BJ1A0352	R32035	DESIGN OF MACHINE MEMBERS_II	20	41	4
12BJ1A0352	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	46	4
12BJ1A0352	R32037	METROLOGY & INSTRUMENTATION LAB	21	48	2
12BJ1A0352	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0353	R32031	METROLOGY	17	18	0
12BJ1A0353	R32032	ROBOTICS	23	36	4
12BJ1A0353	R32033	HEAT TRANSFER	14	2	0
12BJ1A0353	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	9	0
12BJ1A0353	R32035	DESIGN OF MACHINE MEMBERS_II	19	36	4
12BJ1A0353	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	16	0
12BJ1A0353	R32037	METROLOGY & INSTRUMENTATION LAB	21	48	2
12BJ1A0353	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0354	R32031	METROLOGY	18	42	4
12BJ1A0354	R32032	ROBOTICS	21	42	4
12BJ1A0354	R32033	HEAT TRANSFER	14	26	4
12BJ1A0354	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	17	0
12BJ1A0354	R32035	DESIGN OF MACHINE MEMBERS_II	19	13	0
12BJ1A0354	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	42	4
12BJ1A0354	R32037	METROLOGY & INSTRUMENTATION LAB	21	39	2
12BJ1A0354	R32038	HEAT TRANSFER LAB	24	47	2
12BJ1A0355	R32031	METROLOGY	17	32	4
12BJ1A0355	R32032	ROBOTICS	22	34	4
12BJ1A0355	R32033	HEAT TRANSFER	16	14	0
12BJ1A0355	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	26	4
12BJ1A0355	R32035	DESIGN OF MACHINE MEMBERS_II	18	38	4
12BJ1A0355	R32036	INDUSTRIAL ENGG. & MANAGEMENT	22	31	4
12BJ1A0355	R32037	METROLOGY & INSTRUMENTATION LAB	20	47	2
12BJ1A0355	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0356	R32031	METROLOGY	17	47	4
12BJ1A0356	R32032	ROBOTICS	22	26	4
12BJ1A0356	R32033	HEAT TRANSFER	16	44	4
12BJ1A0356	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	35	4
12BJ1A0356	R32035	DESIGN OF MACHINE MEMBERS_II	17	45	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0356	R32036	INDUSTRIAL ENGG. & MANAGEMENT	22	43	4
12BJ1A0356	R32037	METROLOGY & INSTRUMENTATION LAB	20	48	2
12BJ1A0356	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0357	R32031	METROLOGY	18	35	4
12BJ1A0357	R32032	ROBOTICS	24	47	4
12BJ1A0357	R32033	HEAT TRANSFER	18	29	4
12BJ1A0357	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	50	4
12BJ1A0357	R32035	DESIGN OF MACHINE MEMBERS_II	15	52	4
12BJ1A0357	R32036	INDUSTRIAL ENGG. & MANAGEMENT	22	37	4
12BJ1A0357	R32037	METROLOGY & INSTRUMENTATION LAB	22	44	2
12BJ1A0357	R32038	HEAT TRANSFER LAB	24	45	2
12BJ1A0358	R32031	METROLOGY	20	13	0
12BJ1A0358	R32032	ROBOTICS	19	27	4
12BJ1A0358	R32033	HEAT TRANSFER	14	26	4
12BJ1A0358	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	26	4
12BJ1A0358	R32035	DESIGN OF MACHINE MEMBERS_II	18	3	0
12BJ1A0358	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	38	4
12BJ1A0358	R32037	METROLOGY & INSTRUMENTATION LAB	19	45	2
12BJ1A0358	R32038	HEAT TRANSFER LAB	22	44	2
12BJ1A0359	R32031	METROLOGY	20	29	4
12BJ1A0359	R32032	ROBOTICS	25	46	4
12BJ1A0359	R32033	HEAT TRANSFER	19	26	4
12BJ1A0359	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	19	0
12BJ1A0359	R32035	DESIGN OF MACHINE MEMBERS_II	17	26	4
12BJ1A0359	R32036	INDUSTRIAL ENGG. & MANAGEMENT	24	27	4
12BJ1A0359	R32037	METROLOGY & INSTRUMENTATION LAB	21	38	2
12BJ1A0359	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0360	R32031	METROLOGY	21	32	4
12BJ1A0360	R32032	ROBOTICS	23	35	4
12BJ1A0360	R32033	HEAT TRANSFER	16	37	4
12BJ1A0360	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	29	4
12BJ1A0360	R32035	DESIGN OF MACHINE MEMBERS_II	20	36	4
12BJ1A0360	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	27	4
12BJ1A0360	R32037	METROLOGY & INSTRUMENTATION LAB	20	39	2
12BJ1A0360	R32038	HEAT TRANSFER LAB	24	44	2
12BJ1A0361	R32031	METROLOGY	16	36	4
12BJ1A0361	R32032	ROBOTICS	17	36	4
12BJ1A0361	R32033	HEAT TRANSFER	16	32	4
12BJ1A0361	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	52	4
12BJ1A0361	R32035	DESIGN OF MACHINE MEMBERS_II	17	45	4
12BJ1A0361	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	16	0
12BJ1A0361	R32037	METROLOGY & INSTRUMENTATION LAB	21	46	2
12BJ1A0361	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0362	R32031	METROLOGY	15	37	4
12BJ1A0362	R32032	ROBOTICS	14	30	4
12BJ1A0362	R32033	HEAT TRANSFER	14	0	0
12BJ1A0362	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	0	0
12BJ1A0362	R32035	DESIGN OF MACHINE MEMBERS_II	14	0	0
12BJ1A0362	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	36	4
12BJ1A0362	R32037	METROLOGY & INSTRUMENTATION LAB	21	46	2
12BJ1A0362	R32038	HEAT TRANSFER LAB	22	43	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0363	R32031	METROLOGY	15	-1	0
12BJ1A0363	R32032	ROBOTICS	14	-1	0
12BJ1A0363	R32033	HEAT TRANSFER	14	-1	0
12BJ1A0363	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	-1	0
12BJ1A0363	R32035	DESIGN OF MACHINE MEMBERS_II	14	-1	0
12BJ1A0363	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	-1	0
12BJ1A0363	R32037	METROLOGY & INSTRUMENTATION LAB	22	-1	0
12BJ1A0363	R32038	HEAT TRANSFER LAB	22	-1	0
12BJ1A0364	R32031	METROLOGY	22	35	4
12BJ1A0364	R32032	ROBOTICS	22	37	4
12BJ1A0364	R32033	HEAT TRANSFER	18	30	4
12BJ1A0364	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	33	4
12BJ1A0364	R32035	DESIGN OF MACHINE MEMBERS_II	21	32	4
12BJ1A0364	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	45	4
12BJ1A0364	R32037	METROLOGY & INSTRUMENTATION LAB	24	47	2
12BJ1A0364	R32038	HEAT TRANSFER LAB	25	50	2
12BJ1A0365	R32031	METROLOGY	21	26	4
12BJ1A0365	R32032	ROBOTICS	18	13	0
12BJ1A0365	R32033	HEAT TRANSFER	16	2	0
12BJ1A0365	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	0	0
12BJ1A0365	R32035	DESIGN OF MACHINE MEMBERS_II	19	29	4
12BJ1A0365	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	4	0
12BJ1A0365	R32037	METROLOGY & INSTRUMENTATION LAB	21	47	2
12BJ1A0365	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0366	R32031	METROLOGY	21	42	4
12BJ1A0366	R32032	ROBOTICS	22	37	4
12BJ1A0366	R32033	HEAT TRANSFER	15	29	4
12BJ1A0366	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	26	4
12BJ1A0366	R32035	DESIGN OF MACHINE MEMBERS_II	21	26	4
12BJ1A0366	R32036	INDUSTRIAL ENGG. & MANAGEMENT	23	30	4
12BJ1A0366	R32037	METROLOGY & INSTRUMENTATION LAB	20	46	2
12BJ1A0366	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0367	R32031	METROLOGY	22	29	4
12BJ1A0367	R32032	ROBOTICS	20	13	0
12BJ1A0367	R32033	HEAT TRANSFER	14	4	0
12BJ1A0367	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	8	0
12BJ1A0367	R32035	DESIGN OF MACHINE MEMBERS_II	21	13	0
12BJ1A0367	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	7	0
12BJ1A0367	R32037	METROLOGY & INSTRUMENTATION LAB	20	47	2
12BJ1A0367	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0368	R32031	METROLOGY	18	59	4
12BJ1A0368	R32032	ROBOTICS	20	42	4
12BJ1A0368	R32033	HEAT TRANSFER	18	33	4
12BJ1A0368	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	48	4
12BJ1A0368	R32035	DESIGN OF MACHINE MEMBERS_II	23	43	4
12BJ1A0368	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	46	4
12BJ1A0368	R32037	METROLOGY & INSTRUMENTATION LAB	22	47	2
12BJ1A0368	R32038	HEAT TRANSFER LAB	25	50	2
12BJ1A0369	R32031	METROLOGY	14	9	0
12BJ1A0369	R32032	ROBOTICS	18	28	4
12BJ1A0369	R32033	HEAT TRANSFER	14	27	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0369	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	3	0
12BJ1A0369	R32035	DESIGN OF MACHINE MEMBERS_II	20	33	4
12BJ1A0369	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	5	0
12BJ1A0369	R32037	METROLOGY & INSTRUMENTATION LAB	20	46	2
12BJ1A0369	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0370	R32031	METROLOGY	16	14	0
12BJ1A0370	R32032	ROBOTICS	20	2	0
12BJ1A0370	R32033	HEAT TRANSFER	17	17	0
12BJ1A0370	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	-1	0
12BJ1A0370	R32035	DESIGN OF MACHINE MEMBERS_II	14	0	0
12BJ1A0370	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	-1	0
12BJ1A0370	R32037	METROLOGY & INSTRUMENTATION LAB	21	46	2
12BJ1A0370	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0371	R32031	METROLOGY	19	16	0
12BJ1A0371	R32032	ROBOTICS	24	26	4
12BJ1A0371	R32033	HEAT TRANSFER	15	30	4
12BJ1A0371	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	41	4
12BJ1A0371	R32035	DESIGN OF MACHINE MEMBERS_II	14	36	4
12BJ1A0371	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	18	0
12BJ1A0371	R32037	METROLOGY & INSTRUMENTATION LAB	21	45	2
12BJ1A0371	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0372	R32031	METROLOGY	22	43	4
12BJ1A0372	R32032	ROBOTICS	24	12	0
12BJ1A0372	R32033	HEAT TRANSFER	15	29	4
12BJ1A0372	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	27	4
12BJ1A0372	R32035	DESIGN OF MACHINE MEMBERS_II	14	14	0
12BJ1A0372	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	26	4
12BJ1A0372	R32037	METROLOGY & INSTRUMENTATION LAB	20	40	2
12BJ1A0372	R32038	HEAT TRANSFER LAB	22	41	2
12BJ1A0373	R32031	METROLOGY	14	13	0
12BJ1A0373	R32032	ROBOTICS	18	6	0
12BJ1A0373	R32033	HEAT TRANSFER	14	0	0
12BJ1A0373	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	0	0
12BJ1A0373	R32035	DESIGN OF MACHINE MEMBERS_II	15	11	0
12BJ1A0373	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	2	0
12BJ1A0373	R32037	METROLOGY & INSTRUMENTATION LAB	19	45	2
12BJ1A0373	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0374	R32031	METROLOGY	18	34	4
12BJ1A0374	R32032	ROBOTICS	21	39	4
12BJ1A0374	R32033	HEAT TRANSFER	16	20	0
12BJ1A0374	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	26	4
12BJ1A0374	R32035	DESIGN OF MACHINE MEMBERS_II	14	26	4
12BJ1A0374	R32036	INDUSTRIAL ENGG. & MANAGEMENT	12	39	4
12BJ1A0374	R32037	METROLOGY & INSTRUMENTATION LAB	19	40	2
12BJ1A0374	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0376	R32031	METROLOGY	19	42	4
12BJ1A0376	R32032	ROBOTICS	23	44	4
12BJ1A0376	R32033	HEAT TRANSFER	19	46	4
12BJ1A0376	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	37	4
12BJ1A0376	R32035	DESIGN OF MACHINE MEMBERS_II	23	42	4
12BJ1A0376	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	45	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0376	R32037	METROLOGY & INSTRUMENTATION LAB	22	47	2
12BJ1A0376	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0377	R32031	METROLOGY	21	46	4
12BJ1A0377	R32032	ROBOTICS	17	32	4
12BJ1A0377	R32033	HEAT TRANSFER	17	10	0
12BJ1A0377	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	27	4
12BJ1A0377	R32035	DESIGN OF MACHINE MEMBERS_II	14	15	0
12BJ1A0377	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	18	0
12BJ1A0377	R32037	METROLOGY & INSTRUMENTATION LAB	20	49	2
12BJ1A0377	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0378	R32031	METROLOGY	18	27	4
12BJ1A0378	R32032	ROBOTICS	20	29	4
12BJ1A0378	R32033	HEAT TRANSFER	17	26	4
12BJ1A0378	R32034	INSTRUMENTATION & CONTROL SYSTEMS	24	15	0
12BJ1A0378	R32035	DESIGN OF MACHINE MEMBERS_II	21	35	4
12BJ1A0378	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	26	4
12BJ1A0378	R32037	METROLOGY & INSTRUMENTATION LAB	21	49	2
12BJ1A0378	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0379	R32031	METROLOGY	15	14	0
12BJ1A0379	R32032	ROBOTICS	18	11	0
12BJ1A0379	R32033	HEAT TRANSFER	15	32	4
12BJ1A0379	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	0	0
12BJ1A0379	R32035	DESIGN OF MACHINE MEMBERS_II	19	0	0
12BJ1A0379	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	0	0
12BJ1A0379	R32037	METROLOGY & INSTRUMENTATION LAB	21	45	2
12BJ1A0379	R32038	HEAT TRANSFER LAB	22	42	2
12BJ1A0380	R32031	METROLOGY	18	7	0
12BJ1A0380	R32032	ROBOTICS	14	0	0
12BJ1A0380	R32033	HEAT TRANSFER	16	5	0
12BJ1A0380	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	6	0
12BJ1A0380	R32035	DESIGN OF MACHINE MEMBERS_II	14	0	0
12BJ1A0380	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	0	0
12BJ1A0380	R32037	METROLOGY & INSTRUMENTATION LAB	18	47	2
12BJ1A0380	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0381	R32031	METROLOGY	16	47	4
12BJ1A0381	R32032	ROBOTICS	20	14	0
12BJ1A0381	R32033	HEAT TRANSFER	18	30	4
12BJ1A0381	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	41	4
12BJ1A0381	R32035	DESIGN OF MACHINE MEMBERS_II	21	42	4
12BJ1A0381	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	34	4
12BJ1A0381	R32037	METROLOGY & INSTRUMENTATION LAB	21	47	2
12BJ1A0381	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0382	R32031	METROLOGY	15	17	0
12BJ1A0382	R32032	ROBOTICS	16	17	0
12BJ1A0382	R32033	HEAT TRANSFER	14	4	0
12BJ1A0382	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	1	0
12BJ1A0382	R32035	DESIGN OF MACHINE MEMBERS_II	15	14	0
12BJ1A0382	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	12	0
12BJ1A0382	R32037	METROLOGY & INSTRUMENTATION LAB	21	38	2
12BJ1A0382	R32038	HEAT TRANSFER LAB	22	41	2
12BJ1A0383	R32031	METROLOGY	15	9	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0383	R32032	ROBOTICS	17	5	0
12BJ1A0383	R32033	HEAT TRANSFER	15	5	0
12BJ1A0383	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	-1	0
12BJ1A0383	R32035	DESIGN OF MACHINE MEMBERS_II	14	-1	0
12BJ1A0383	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	0	0
12BJ1A0383	R32037	METROLOGY & INSTRUMENTATION LAB	23	39	2
12BJ1A0383	R32038	HEAT TRANSFER LAB	22	41	2
12BJ1A0384	R32031	METROLOGY	15	6	0
12BJ1A0384	R32032	ROBOTICS	14	0	0
12BJ1A0384	R32033	HEAT TRANSFER	14	4	0
12BJ1A0384	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	0	0
12BJ1A0384	R32035	DESIGN OF MACHINE MEMBERS_II	15	1	0
12BJ1A0384	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	0	0
12BJ1A0384	R32037	METROLOGY & INSTRUMENTATION LAB	18	47	2
12BJ1A0384	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0386	R32031	METROLOGY	19	26	4
12BJ1A0386	R32032	ROBOTICS	17	26	4
12BJ1A0386	R32033	HEAT TRANSFER	15	29	4
12BJ1A0386	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	0	0
12BJ1A0386	R32035	DESIGN OF MACHINE MEMBERS_II	14	0	0
12BJ1A0386	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	0	0
12BJ1A0386	R32037	METROLOGY & INSTRUMENTATION LAB	20	46	2
12BJ1A0386	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0387	R32031	METROLOGY	18	12	0
12BJ1A0387	R32032	ROBOTICS	18	2	0
12BJ1A0387	R32033	HEAT TRANSFER	15	14	0
12BJ1A0387	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	0	0
12BJ1A0387	R32035	DESIGN OF MACHINE MEMBERS_II	14	29	4
12BJ1A0387	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	10	0
12BJ1A0387	R32037	METROLOGY & INSTRUMENTATION LAB	22	40	2
12BJ1A0387	R32038	HEAT TRANSFER LAB	23	44	2
12BJ1A0388	R32031	METROLOGY	17	11	0
12BJ1A0388	R32032	ROBOTICS	15	40	4
12BJ1A0388	R32033	HEAT TRANSFER	14	28	4
12BJ1A0388	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	0	0
12BJ1A0388	R32035	DESIGN OF MACHINE MEMBERS_II	15	10	0
12BJ1A0388	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	48	4
12BJ1A0388	R32037	METROLOGY & INSTRUMENTATION LAB	20	46	2
12BJ1A0388	R32038	HEAT TRANSFER LAB	23	45	2
12BJ1A0389	R32031	METROLOGY	15	6	0
12BJ1A0389	R32032	ROBOTICS	17	26	4
12BJ1A0389	R32033	HEAT TRANSFER	14	4	0
12BJ1A0389	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	12	0
12BJ1A0389	R32035	DESIGN OF MACHINE MEMBERS_II	15	26	4
12BJ1A0389	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	31	4
12BJ1A0389	R32037	METROLOGY & INSTRUMENTATION LAB	21	40	2
12BJ1A0389	R32038	HEAT TRANSFER LAB	22	41	2
12BJ1A0390	R32031	METROLOGY	16	0	0
12BJ1A0390	R32032	ROBOTICS	16	3	0
12BJ1A0390	R32033	HEAT TRANSFER	16	6	0
12BJ1A0390	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	0	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0390	R32035	DESIGN OF MACHINE MEMBERS_II	16	5	0
12BJ1A0390	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	1	0
12BJ1A0390	R32037	METROLOGY & INSTRUMENTATION LAB	19	46	2
12BJ1A0390	R32038	HEAT TRANSFER LAB	22	41	2
12BJ1A0391	R32031	METROLOGY	18	30	4
12BJ1A0391	R32032	ROBOTICS	21	43	4
12BJ1A0391	R32033	HEAT TRANSFER	14	30	4
12BJ1A0391	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	32	4
12BJ1A0391	R32035	DESIGN OF MACHINE MEMBERS_II	16	53	4
12BJ1A0391	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	26	4
12BJ1A0391	R32037	METROLOGY & INSTRUMENTATION LAB	22	40	2
12BJ1A0391	R32038	HEAT TRANSFER LAB	23	41	2
12BJ1A0392	R32031	METROLOGY	18	36	4
12BJ1A0392	R32032	ROBOTICS	20	45	4
12BJ1A0392	R32033	HEAT TRANSFER	14	19	0
12BJ1A0392	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	19	0
12BJ1A0392	R32035	DESIGN OF MACHINE MEMBERS_II	19	51	4
12BJ1A0392	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	39	4
12BJ1A0392	R32037	METROLOGY & INSTRUMENTATION LAB	23	45	2
12BJ1A0392	R32038	HEAT TRANSFER LAB	23	41	2
12BJ1A0393	R32031	METROLOGY	18	3	0
12BJ1A0393	R32032	ROBOTICS	17	0	0
12BJ1A0393	R32033	HEAT TRANSFER	16	3	0
12BJ1A0393	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	0	0
12BJ1A0393	R32035	DESIGN OF MACHINE MEMBERS_II	17	10	0
12BJ1A0393	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	1	0
12BJ1A0393	R32037	METROLOGY & INSTRUMENTATION LAB	18	38	2
12BJ1A0393	R32038	HEAT TRANSFER LAB	22	41	2
12BJ1A0394	R32031	METROLOGY	17	0	0
12BJ1A0394	R32032	ROBOTICS	11	0	0
12BJ1A0394	R32033	HEAT TRANSFER	17	0	0
12BJ1A0394	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	0	0
12BJ1A0394	R32035	DESIGN OF MACHINE MEMBERS_II	14	7	0
12BJ1A0394	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	0	0
12BJ1A0394	R32037	METROLOGY & INSTRUMENTATION LAB	19	40	2
12BJ1A0394	R32038	HEAT TRANSFER LAB	23	43	2
12BJ1A0395	R32031	METROLOGY	15	20	0
12BJ1A0395	R32032	ROBOTICS	14	26	4
12BJ1A0395	R32033	HEAT TRANSFER	15	11	0
12BJ1A0395	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	0	0
12BJ1A0395	R32035	DESIGN OF MACHINE MEMBERS_II	14	32	4
12BJ1A0395	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	0	0
12BJ1A0395	R32037	METROLOGY & INSTRUMENTATION LAB	22	47	2
12BJ1A0395	R32038	HEAT TRANSFER LAB	22	41	2
12BJ1A0401	R32026	MANAGEMENT SCIENCE	22	-1	0
12BJ1A0401	R32041	COMPUTER NETWORKS	22	-1	0
12BJ1A0401	R32042	MICROWAVE ENGINEERING	22	-1	0
12BJ1A0401	R32043	DIGITAL SIGNAL PROCESSING	25	-1	0
12BJ1A0401	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	-1	0
12BJ1A0401	R32045	VLSI DESIGN	24	-1	0
12BJ1A0401	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	-1	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0401	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	-1	0
12BJ1A0402	R32026	MANAGEMENT SCIENCE	23	52	4
12BJ1A0402	R32041	COMPUTER NETWORKS	23	38	4
12BJ1A0402	R32042	MICROWAVE ENGINEERING	23	34	4
12BJ1A0402	R32043	DIGITAL SIGNAL PROCESSING	25	34	4
12BJ1A0402	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	26	4
12BJ1A0402	R32045	VLSI DESIGN	22	32	4
12BJ1A0402	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
12BJ1A0402	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
12BJ1A0403	R32026	MANAGEMENT SCIENCE	23	54	4
12BJ1A0403	R32041	COMPUTER NETWORKS	23	56	4
12BJ1A0403	R32042	MICROWAVE ENGINEERING	24	37	4
12BJ1A0403	R32043	DIGITAL SIGNAL PROCESSING	25	45	4
12BJ1A0403	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	54	4
12BJ1A0403	R32045	VLSI DESIGN	24	31	4
12BJ1A0403	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
12BJ1A0403	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	48	2
12BJ1A0404	R32026	MANAGEMENT SCIENCE	23	49	4
12BJ1A0404	R32041	COMPUTER NETWORKS	24	68	4
12BJ1A0404	R32042	MICROWAVE ENGINEERING	24	43	4
12BJ1A0404	R32043	DIGITAL SIGNAL PROCESSING	25	47	4
12BJ1A0404	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	40	4
12BJ1A0404	R32045	VLSI DESIGN	23	31	4
12BJ1A0404	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
12BJ1A0404	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	49	2
12BJ1A0405	R32026	MANAGEMENT SCIENCE	18	35	4
12BJ1A0405	R32041	COMPUTER NETWORKS	18	26	4
12BJ1A0405	R32042	MICROWAVE ENGINEERING	21	16	0
12BJ1A0405	R32043	DIGITAL SIGNAL PROCESSING	24	26	4
12BJ1A0405	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	20	0
12BJ1A0405	R32045	VLSI DESIGN	21	0	0
12BJ1A0405	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	46	2
12BJ1A0405	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	46	2
12BJ1A0406	R32026	MANAGEMENT SCIENCE	23	42	4
12BJ1A0406	R32041	COMPUTER NETWORKS	20	26	4
12BJ1A0406	R32042	MICROWAVE ENGINEERING	25	35	4
12BJ1A0406	R32043	DIGITAL SIGNAL PROCESSING	24	34	4
12BJ1A0406	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	33	4
12BJ1A0406	R32045	VLSI DESIGN	24	41	4
12BJ1A0406	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
12BJ1A0406	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
12BJ1A0407	R32026	MANAGEMENT SCIENCE	23	51	4
12BJ1A0407	R32041	COMPUTER NETWORKS	22	56	4
12BJ1A0407	R32042	MICROWAVE ENGINEERING	23	59	4
12BJ1A0407	R32043	DIGITAL SIGNAL PROCESSING	24	37	4
12BJ1A0407	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	43	4
12BJ1A0407	R32045	VLSI DESIGN	22	31	4
12BJ1A0407	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
12BJ1A0407	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12BJ1A0408	R32026	MANAGEMENT SCIENCE	21	47	4
12BJ1A0408	R32041	COMPUTER NETWORKS	20	43	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0408	R32042	MICROWAVE ENGINEERING	22	31	4
12BJ1A0408	R32043	DIGITAL SIGNAL PROCESSING	25	41	4
12BJ1A0408	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	29	4
12BJ1A0408	R32045	VLSI DESIGN	22	26	4
12BJ1A0408	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
12BJ1A0408	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
12BJ1A0409	R32026	MANAGEMENT SCIENCE	24	60	4
12BJ1A0409	R32041	COMPUTER NETWORKS	25	47	4
12BJ1A0409	R32042	MICROWAVE ENGINEERING	24	49	4
12BJ1A0409	R32043	DIGITAL SIGNAL PROCESSING	25	33	4
12BJ1A0409	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	63	4
12BJ1A0409	R32045	VLSI DESIGN	24	34	4
12BJ1A0409	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
12BJ1A0409	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	50	2
12BJ1A0410	R32026	MANAGEMENT SCIENCE	21	32	4
12BJ1A0410	R32041	COMPUTER NETWORKS	22	28	4
12BJ1A0410	R32042	MICROWAVE ENGINEERING	23	41	4
12BJ1A0410	R32043	DIGITAL SIGNAL PROCESSING	24	26	4
12BJ1A0410	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	31	4
12BJ1A0410	R32045	VLSI DESIGN	22	31	4
12BJ1A0410	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	42	2
12BJ1A0410	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	40	2
12BJ1A0411	R32026	MANAGEMENT SCIENCE	22	41	4
12BJ1A0411	R32041	COMPUTER NETWORKS	20	38	4
12BJ1A0411	R32042	MICROWAVE ENGINEERING	20	4	0
12BJ1A0411	R32043	DIGITAL SIGNAL PROCESSING	22	29	4
12BJ1A0411	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	4	0
12BJ1A0411	R32045	VLSI DESIGN	22	26	4
12BJ1A0411	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	45	2
12BJ1A0411	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A0412	R32026	MANAGEMENT SCIENCE	19	41	4
12BJ1A0412	R32041	COMPUTER NETWORKS	21	31	4
12BJ1A0412	R32042	MICROWAVE ENGINEERING	21	26	4
12BJ1A0412	R32043	DIGITAL SIGNAL PROCESSING	24	12	0
12BJ1A0412	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	32	4
12BJ1A0412	R32045	VLSI DESIGN	20	15	0
12BJ1A0412	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A0412	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	45	2
12BJ1A0413	R32026	MANAGEMENT SCIENCE	24	50	4
12BJ1A0413	R32041	COMPUTER NETWORKS	22	62	4
12BJ1A0413	R32042	MICROWAVE ENGINEERING	23	47	4
12BJ1A0413	R32043	DIGITAL SIGNAL PROCESSING	24	48	4
12BJ1A0413	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	42	4
12BJ1A0413	R32045	VLSI DESIGN	25	32	4
12BJ1A0413	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
12BJ1A0413	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	47	2
12BJ1A0414	R32026	MANAGEMENT SCIENCE	23	43	4
12BJ1A0414	R32041	COMPUTER NETWORKS	19	33	4
12BJ1A0414	R32042	MICROWAVE ENGINEERING	22	38	4
12BJ1A0414	R32043	DIGITAL SIGNAL PROCESSING	23	26	4
12BJ1A0414	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	26	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0414	R32045	VLSI DESIGN	22	19	0
12BJ1A0414	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A0414	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	45	2
12BJ1A0415	R32026	MANAGEMENT SCIENCE	22	51	4
12BJ1A0415	R32041	COMPUTER NETWORKS	24	62	4
12BJ1A0415	R32042	MICROWAVE ENGINEERING	25	35	4
12BJ1A0415	R32043	DIGITAL SIGNAL PROCESSING	25	45	4
12BJ1A0415	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	24	51	4
12BJ1A0415	R32045	VLSI DESIGN	24	44	4
12BJ1A0415	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
12BJ1A0415	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	50	2
12BJ1A0416	R32026	MANAGEMENT SCIENCE	23	41	4
12BJ1A0416	R32041	COMPUTER NETWORKS	23	41	4
12BJ1A0416	R32042	MICROWAVE ENGINEERING	22	27	4
12BJ1A0416	R32043	DIGITAL SIGNAL PROCESSING	24	41	4
12BJ1A0416	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	21	42	4
12BJ1A0416	R32045	VLSI DESIGN	23	26	4
12BJ1A0416	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
12BJ1A0416	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	47	2
12BJ1A0417	R32026	MANAGEMENT SCIENCE	25	60	4
12BJ1A0417	R32041	COMPUTER NETWORKS	24	48	4
12BJ1A0417	R32042	MICROWAVE ENGINEERING	25	52	4
12BJ1A0417	R32043	DIGITAL SIGNAL PROCESSING	25	48	4
12BJ1A0417	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	25	42	4
12BJ1A0417	R32045	VLSI DESIGN	25	36	4
12BJ1A0417	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	49	2
12BJ1A0417	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12BJ1A0418	R32026	MANAGEMENT SCIENCE	23	47	4
12BJ1A0418	R32041	COMPUTER NETWORKS	22	50	4
12BJ1A0418	R32042	MICROWAVE ENGINEERING	24	50	4
12BJ1A0418	R32043	DIGITAL SIGNAL PROCESSING	24	35	4
12BJ1A0418	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	24	42	4
12BJ1A0418	R32045	VLSI DESIGN	23	40	4
12BJ1A0418	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	46	2
12BJ1A0418	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	46	2
12BJ1A0419	R32026	MANAGEMENT SCIENCE	24	49	4
12BJ1A0419	R32041	COMPUTER NETWORKS	24	60	4
12BJ1A0419	R32042	MICROWAVE ENGINEERING	23	42	4
12BJ1A0419	R32043	DIGITAL SIGNAL PROCESSING	24	43	4
12BJ1A0419	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	23	50	4
12BJ1A0419	R32045	VLSI DESIGN	23	58	4
12BJ1A0419	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	48	2
12BJ1A0419	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	48	2
12BJ1A0420	R32026	MANAGEMENT SCIENCE	24	42	4
12BJ1A0420	R32041	COMPUTER NETWORKS	18	35	4
12BJ1A0420	R32042	MICROWAVE ENGINEERING	21	26	4
12BJ1A0420	R32043	DIGITAL SIGNAL PROCESSING	23	38	4
12BJ1A0420	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	22	36	4
12BJ1A0420	R32045	VLSI DESIGN	21	14	0
12BJ1A0420	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
12BJ1A0420	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	46	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0421	R32026	MANAGEMENT SCIENCE	21	49	4
12BJ1A0421	R32041	COMPUTER NETWORKS	20	43	4
12BJ1A0421	R32042	MICROWAVE ENGINEERING	22	54	4
12BJ1A0421	R32043	DIGITAL SIGNAL PROCESSING	22	64	4
12BJ1A0421	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	35	4
12BJ1A0421	R32045	VLSI DESIGN	23	26	4
12BJ1A0421	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
12BJ1A0421	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	48	2
12BJ1A0423	R32026	MANAGEMENT SCIENCE	22	35	4
12BJ1A0423	R32041	COMPUTER NETWORKS	19	32	4
12BJ1A0423	R32042	MICROWAVE ENGINEERING	21	29	4
12BJ1A0423	R32043	DIGITAL SIGNAL PROCESSING	21	26	4
12BJ1A0423	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	15	0
12BJ1A0423	R32045	VLSI DESIGN	20	26	4
12BJ1A0423	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A0423	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A0424	R32026	MANAGEMENT SCIENCE	22	32	4
12BJ1A0424	R32041	COMPUTER NETWORKS	21	43	4
12BJ1A0424	R32042	MICROWAVE ENGINEERING	19	10	0
12BJ1A0424	R32043	DIGITAL SIGNAL PROCESSING	25	26	4
12BJ1A0424	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	26	4
12BJ1A0424	R32045	VLSI DESIGN	23	4	0
12BJ1A0424	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
12BJ1A0424	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
12BJ1A0425	R32026	MANAGEMENT SCIENCE	20	37	4
12BJ1A0425	R32041	COMPUTER NETWORKS	16	26	4
12BJ1A0425	R32042	MICROWAVE ENGINEERING	18	8	0
12BJ1A0425	R32043	DIGITAL SIGNAL PROCESSING	23	5	0
12BJ1A0425	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	26	4
12BJ1A0425	R32045	VLSI DESIGN	20	6	0
12BJ1A0425	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A0425	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	44	2
12BJ1A0426	R32026	MANAGEMENT SCIENCE	15	-1	0
12BJ1A0426	R32041	COMPUTER NETWORKS	4	23	0
12BJ1A0426	R32042	MICROWAVE ENGINEERING	15	0	0
12BJ1A0426	R32043	DIGITAL SIGNAL PROCESSING	15	-1	0
12BJ1A0426	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	7	0
12BJ1A0426	R32045	VLSI DESIGN	15	-1	0
12BJ1A0426	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	10	0
12BJ1A0426	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
12BJ1A0427	R32026	MANAGEMENT SCIENCE	18	38	4
12BJ1A0427	R32041	COMPUTER NETWORKS	17	26	4
12BJ1A0427	R32042	MICROWAVE ENGINEERING	16	29	4
12BJ1A0427	R32043	DIGITAL SIGNAL PROCESSING	24	15	0
12BJ1A0427	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	10	0
12BJ1A0427	R32045	VLSI DESIGN	21	26	4
12BJ1A0427	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	47	2
12BJ1A0427	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	47	2
12BJ1A0428	R32026	MANAGEMENT SCIENCE	20	28	4
12BJ1A0428	R32041	COMPUTER NETWORKS	16	35	4
12BJ1A0428	R32042	MICROWAVE ENGINEERING	19	7	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0428	R32043	DIGITAL SIGNAL PROCESSING	23	26	4
12BJ1A0428	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	6	0
12BJ1A0428	R32045	VLSI DESIGN	20	26	4
12BJ1A0428	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
12BJ1A0428	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	44	2
12BJ1A0429	R32026	MANAGEMENT SCIENCE	16	35	4
12BJ1A0429	R32041	COMPUTER NETWORKS	13	27	4
12BJ1A0429	R32042	MICROWAVE ENGINEERING	21	16	0
12BJ1A0429	R32043	DIGITAL SIGNAL PROCESSING	19	28	4
12BJ1A0429	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	13	0
12BJ1A0429	R32045	VLSI DESIGN	20	5	0
12BJ1A0429	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	10	0
12BJ1A0429	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	36	2
12BJ1A0430	R32026	MANAGEMENT SCIENCE	21	34	4
12BJ1A0430	R32041	COMPUTER NETWORKS	21	27	4
12BJ1A0430	R32042	MICROWAVE ENGINEERING	24	26	4
12BJ1A0430	R32043	DIGITAL SIGNAL PROCESSING	24	9	0
12BJ1A0430	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	29	4
12BJ1A0430	R32045	VLSI DESIGN	22	9	0
12BJ1A0430	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	47	2
12BJ1A0430	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	47	2
12BJ1A0431	R32026	MANAGEMENT SCIENCE	21	28	4
12BJ1A0431	R32041	COMPUTER NETWORKS	16	11	0
12BJ1A0431	R32042	MICROWAVE ENGINEERING	21	1	0
12BJ1A0431	R32043	DIGITAL SIGNAL PROCESSING	21	1	0
12BJ1A0431	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	0	0
12BJ1A0431	R32045	VLSI DESIGN	18	3	0
12BJ1A0431	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	38	2
12BJ1A0431	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	38	2
12BJ1A0432	R32026	MANAGEMENT SCIENCE	15	30	4
12BJ1A0432	R32041	COMPUTER NETWORKS	15	13	0
12BJ1A0432	R32042	MICROWAVE ENGINEERING	19	0	0
12BJ1A0432	R32043	DIGITAL SIGNAL PROCESSING	22	26	4
12BJ1A0432	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	18	0
12BJ1A0432	R32045	VLSI DESIGN	18	26	4
12BJ1A0432	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	10	0
12BJ1A0432	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	40	2
12BJ1A0433	R32026	MANAGEMENT SCIENCE	14	31	4
12BJ1A0433	R32041	COMPUTER NETWORKS	22	15	0
12BJ1A0433	R32042	MICROWAVE ENGINEERING	18	7	0
12BJ1A0433	R32043	DIGITAL SIGNAL PROCESSING	22	6	0
12BJ1A0433	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	14	0
12BJ1A0433	R32045	VLSI DESIGN	19	0	0
12BJ1A0433	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	43	2
12BJ1A0433	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	10	0
12BJ1A0434	R32026	MANAGEMENT SCIENCE	15	37	4
12BJ1A0434	R32041	COMPUTER NETWORKS	15	35	4
12BJ1A0434	R32042	MICROWAVE ENGINEERING	21	19	0
12BJ1A0434	R32043	DIGITAL SIGNAL PROCESSING	23	26	4
12BJ1A0434	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	28	4
12BJ1A0434	R32045	VLSI DESIGN	14	2	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0434	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	46	2
12BJ1A0434	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	46	2
12BJ1A0435	R32026	MANAGEMENT SCIENCE	19	43	4
12BJ1A0435	R32041	COMPUTER NETWORKS	20	30	4
12BJ1A0435	R32042	MICROWAVE ENGINEERING	22	34	4
12BJ1A0435	R32043	DIGITAL SIGNAL PROCESSING	20	26	4
12BJ1A0435	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	0	0
12BJ1A0435	R32045	VLSI DESIGN	23	30	4
12BJ1A0435	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	46	2
12BJ1A0435	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	46	2
12BJ1A0436	R32026	MANAGEMENT SCIENCE	11	-1	0
12BJ1A0436	R32041	COMPUTER NETWORKS	14	7	0
12BJ1A0436	R32042	MICROWAVE ENGINEERING	16	0	0
12BJ1A0436	R32043	DIGITAL SIGNAL PROCESSING	21	4	0
12BJ1A0436	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	-1	0
12BJ1A0436	R32045	VLSI DESIGN	17	-1	0
12BJ1A0436	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	10	0
12BJ1A0436	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
12BJ1A0437	R32026	MANAGEMENT SCIENCE	17	35	4
12BJ1A0437	R32041	COMPUTER NETWORKS	17	42	4
12BJ1A0437	R32042	MICROWAVE ENGINEERING	23	15	0
12BJ1A0437	R32043	DIGITAL SIGNAL PROCESSING	21	17	0
12BJ1A0437	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	42	4
12BJ1A0437	R32045	VLSI DESIGN	21	26	4
12BJ1A0437	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	42	2
12BJ1A0437	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
12BJ1A0438	R32026	MANAGEMENT SCIENCE	20	49	4
12BJ1A0438	R32041	COMPUTER NETWORKS	19	44	4
12BJ1A0438	R32042	MICROWAVE ENGINEERING	23	39	4
12BJ1A0438	R32043	DIGITAL SIGNAL PROCESSING	24	33	4
12BJ1A0438	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	35	4
12BJ1A0438	R32045	VLSI DESIGN	21	12	0
12BJ1A0438	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	46	2
12BJ1A0438	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	45	2
12BJ1A0439	R32026	MANAGEMENT SCIENCE	17	33	4
12BJ1A0439	R32041	COMPUTER NETWORKS	20	26	4
12BJ1A0439	R32042	MICROWAVE ENGINEERING	22	30	4
12BJ1A0439	R32043	DIGITAL SIGNAL PROCESSING	23	0	0
12BJ1A0439	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	5	0
12BJ1A0439	R32045	VLSI DESIGN	19	13	0
12BJ1A0439	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	43	2
12BJ1A0439	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	44	2
12BJ1A0440	R32026	MANAGEMENT SCIENCE	14	35	4
12BJ1A0440	R32041	COMPUTER NETWORKS	22	50	4
12BJ1A0440	R32042	MICROWAVE ENGINEERING	19	0	0
12BJ1A0440	R32043	DIGITAL SIGNAL PROCESSING	23	26	4
12BJ1A0440	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	16	0
12BJ1A0440	R32045	VLSI DESIGN	17	26	4
12BJ1A0440	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
12BJ1A0440	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	43	2
12BJ1A0441	R32026	MANAGEMENT SCIENCE	20	40	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0441	R32041	COMPUTER NETWORKS	16	38	4
12BJ1A0441	R32042	MICROWAVE ENGINEERING	23	35	4
12BJ1A0441	R32043	DIGITAL SIGNAL PROCESSING	24	34	4
12BJ1A0441	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	35	4
12BJ1A0441	R32045	VLSI DESIGN	23	26	4
12BJ1A0441	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
12BJ1A0441	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	50	2
12BJ1A0442	R32026	MANAGEMENT SCIENCE	18	55	4
12BJ1A0442	R32041	COMPUTER NETWORKS	21	50	4
12BJ1A0442	R32042	MICROWAVE ENGINEERING	21	49	4
12BJ1A0442	R32043	DIGITAL SIGNAL PROCESSING	24	36	4
12BJ1A0442	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	6	0
12BJ1A0442	R32045	VLSI DESIGN	24	41	4
12BJ1A0442	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
12BJ1A0442	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	43	2
12BJ1A0443	R32026	MANAGEMENT SCIENCE	14	31	4
12BJ1A0443	R32041	COMPUTER NETWORKS	13	4	0
12BJ1A0443	R32042	MICROWAVE ENGINEERING	17	34	4
12BJ1A0443	R32043	DIGITAL SIGNAL PROCESSING	20	26	4
12BJ1A0443	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	6	0
12BJ1A0443	R32045	VLSI DESIGN	20	17	0
12BJ1A0443	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
12BJ1A0443	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	44	2
12BJ1A0444	R32026	MANAGEMENT SCIENCE	16	17	0
12BJ1A0444	R32041	COMPUTER NETWORKS	20	9	0
12BJ1A0444	R32042	MICROWAVE ENGINEERING	22	0	0
12BJ1A0444	R32043	DIGITAL SIGNAL PROCESSING	21	19	0
12BJ1A0444	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	2	0
12BJ1A0444	R32045	VLSI DESIGN	19	0	0
12BJ1A0444	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	35	2
12BJ1A0444	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
12BJ1A0445	R32026	MANAGEMENT SCIENCE	17	37	4
12BJ1A0445	R32041	COMPUTER NETWORKS	21	38	4
12BJ1A0445	R32042	MICROWAVE ENGINEERING	24	16	0
12BJ1A0445	R32043	DIGITAL SIGNAL PROCESSING	23	6	0
12BJ1A0445	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	38	4
12BJ1A0445	R32045	VLSI DESIGN	21	8	0
12BJ1A0445	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
12BJ1A0445	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	50	2
12BJ1A0446	R32026	MANAGEMENT SCIENCE	0	-1	0
12BJ1A0446	R32041	COMPUTER NETWORKS	0	-1	0
12BJ1A0446	R32042	MICROWAVE ENGINEERING	0	-1	0
12BJ1A0446	R32043	DIGITAL SIGNAL PROCESSING	0	-1	0
12BJ1A0446	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	0	-1	0
12BJ1A0446	R32045	VLSI DESIGN	0	-1	0
12BJ1A0446	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	13	-1	0
12BJ1A0446	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	13	-1	0
12BJ1A0447	R32026	MANAGEMENT SCIENCE	14	29	4
12BJ1A0447	R32041	COMPUTER NETWORKS	17	26	4
12BJ1A0447	R32042	MICROWAVE ENGINEERING	14	11	0
12BJ1A0447	R32043	DIGITAL SIGNAL PROCESSING	21	26	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0447	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	11	0
12BJ1A0447	R32045	VLSI DESIGN	14	5	0
12BJ1A0447	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	41	2
12BJ1A0447	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	41	2
12BJ1A0448	R32026	MANAGEMENT SCIENCE	14	30	4
12BJ1A0448	R32041	COMPUTER NETWORKS	15	37	4
12BJ1A0448	R32042	MICROWAVE ENGINEERING	21	29	4
12BJ1A0448	R32043	DIGITAL SIGNAL PROCESSING	21	5	0
12BJ1A0448	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	20	0
12BJ1A0448	R32045	VLSI DESIGN	17	26	4
12BJ1A0448	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	40	2
12BJ1A0448	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	39	2
12BJ1A0449	R32026	MANAGEMENT SCIENCE	0	-1	0
12BJ1A0449	R32041	COMPUTER NETWORKS	0	-1	0
12BJ1A0449	R32042	MICROWAVE ENGINEERING	0	-1	0
12BJ1A0449	R32043	DIGITAL SIGNAL PROCESSING	0	-1	0
12BJ1A0449	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	0	-1	0
12BJ1A0449	R32045	VLSI DESIGN	0	-1	0
12BJ1A0449	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	0	-1	0
12BJ1A0449	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	0	-1	0
12BJ1A0450	R32026	MANAGEMENT SCIENCE	14	32	4
12BJ1A0450	R32041	COMPUTER NETWORKS	13	13	0
12BJ1A0450	R32042	MICROWAVE ENGINEERING	15	6	0
12BJ1A0450	R32043	DIGITAL SIGNAL PROCESSING	15	10	0
12BJ1A0450	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	10	0
12BJ1A0450	R32045	VLSI DESIGN	15	9	0
12BJ1A0450	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	10	0
12BJ1A0450	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	35	2
12BJ1A0451	R32026	MANAGEMENT SCIENCE	12	30	4
12BJ1A0451	R32041	COMPUTER NETWORKS	15	5	0
12BJ1A0451	R32042	MICROWAVE ENGINEERING	22	8	0
12BJ1A0451	R32043	DIGITAL SIGNAL PROCESSING	24	12	0
12BJ1A0451	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	12	0
12BJ1A0451	R32045	VLSI DESIGN	20	35	4
12BJ1A0451	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	35	2
12BJ1A0451	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	36	2
12BJ1A0452	R32026	MANAGEMENT SCIENCE	18	31	4
12BJ1A0452	R32041	COMPUTER NETWORKS	22	50	4
12BJ1A0452	R32042	MICROWAVE ENGINEERING	22	34	4
12BJ1A0452	R32043	DIGITAL SIGNAL PROCESSING	24	28	4
12BJ1A0452	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	12	0
12BJ1A0452	R32045	VLSI DESIGN	18	26	4
12BJ1A0452	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A0452	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A0453	R32026	MANAGEMENT SCIENCE	22	31	4
12BJ1A0453	R32041	COMPUTER NETWORKS	19	41	4
12BJ1A0453	R32042	MICROWAVE ENGINEERING	21	35	4
12BJ1A0453	R32043	DIGITAL SIGNAL PROCESSING	23	11	0
12BJ1A0453	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	29	4
12BJ1A0453	R32045	VLSI DESIGN	24	15	0
12BJ1A0453	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0453	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	44	2
12BJ1A0454	R32026	MANAGEMENT SCIENCE	16	46	4
12BJ1A0454	R32041	COMPUTER NETWORKS	16	31	4
12BJ1A0454	R32042	MICROWAVE ENGINEERING	19	18	0
12BJ1A0454	R32043	DIGITAL SIGNAL PROCESSING	24	12	0
12BJ1A0454	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	16	0
12BJ1A0454	R32045	VLSI DESIGN	16	0	0
12BJ1A0454	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	41	2
12BJ1A0454	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	42	2
12BJ1A0455	R32026	MANAGEMENT SCIENCE	0	-1	0
12BJ1A0455	R32041	COMPUTER NETWORKS	0	-1	0
12BJ1A0455	R32042	MICROWAVE ENGINEERING	0	-1	0
12BJ1A0455	R32043	DIGITAL SIGNAL PROCESSING	0	-1	0
12BJ1A0455	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	0	-1	0
12BJ1A0455	R32045	VLSI DESIGN	0	-1	0
12BJ1A0455	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	-1	0
12BJ1A0455	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	13	-1	0
12BJ1A0456	R32026	MANAGEMENT SCIENCE	14	30	4
12BJ1A0456	R32041	COMPUTER NETWORKS	18	32	4
12BJ1A0456	R32042	MICROWAVE ENGINEERING	20	14	0
12BJ1A0456	R32043	DIGITAL SIGNAL PROCESSING	23	2	0
12BJ1A0456	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	6	0
12BJ1A0456	R32045	VLSI DESIGN	24	2	0
12BJ1A0456	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
12BJ1A0456	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	43	2
12BJ1A0457	R32026	MANAGEMENT SCIENCE	17	26	4
12BJ1A0457	R32041	COMPUTER NETWORKS	16	29	4
12BJ1A0457	R32042	MICROWAVE ENGINEERING	19	15	0
12BJ1A0457	R32043	DIGITAL SIGNAL PROCESSING	22	0	0
12BJ1A0457	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	14	7	0
12BJ1A0457	R32045	VLSI DESIGN	19	14	0
12BJ1A0457	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A0457	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	45	2
12BJ1A0458	R32026	MANAGEMENT SCIENCE	19	7	0
12BJ1A0458	R32041	COMPUTER NETWORKS	15	27	4
12BJ1A0458	R32042	MICROWAVE ENGINEERING	21	0	0
12BJ1A0458	R32043	DIGITAL SIGNAL PROCESSING	23	9	0
12BJ1A0458	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	0	0
12BJ1A0458	R32045	VLSI DESIGN	24	17	0
12BJ1A0458	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	42	2
12BJ1A0458	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	43	2
12BJ1A0459	R32026	MANAGEMENT SCIENCE	16	37	4
12BJ1A0459	R32041	COMPUTER NETWORKS	14	8	0
12BJ1A0459	R32042	MICROWAVE ENGINEERING	17	0	0
12BJ1A0459	R32043	DIGITAL SIGNAL PROCESSING	24	2	0
12BJ1A0459	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	0	0
12BJ1A0459	R32045	VLSI DESIGN	21	31	4
12BJ1A0459	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
12BJ1A0459	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A0460	R32026	MANAGEMENT SCIENCE	20	38	4
12BJ1A0460	R32041	COMPUTER NETWORKS	14	54	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0460	R32042	MICROWAVE ENGINEERING	20	16	0
12BJ1A0460	R32043	DIGITAL SIGNAL PROCESSING	22	26	4
12BJ1A0460	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	3	0
12BJ1A0460	R32045	VLSI DESIGN	22	17	0
12BJ1A0460	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
12BJ1A0460	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	46	2
12BJ1A0461	R32026	MANAGEMENT SCIENCE	21	30	4
12BJ1A0461	R32041	COMPUTER NETWORKS	15	35	4
12BJ1A0461	R32042	MICROWAVE ENGINEERING	20	29	4
12BJ1A0461	R32043	DIGITAL SIGNAL PROCESSING	23	38	4
12BJ1A0461	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	16	0
12BJ1A0461	R32045	VLSI DESIGN	19	26	4
12BJ1A0461	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
12BJ1A0461	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	46	2
12BJ1A0462	R32026	MANAGEMENT SCIENCE	23	38	4
12BJ1A0462	R32041	COMPUTER NETWORKS	23	39	4
12BJ1A0462	R32042	MICROWAVE ENGINEERING	22	50	4
12BJ1A0462	R32043	DIGITAL SIGNAL PROCESSING	24	43	4
12BJ1A0462	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	46	4
12BJ1A0462	R32045	VLSI DESIGN	24	32	4
12BJ1A0462	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
12BJ1A0462	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	48	2
12BJ1A0463	R32026	MANAGEMENT SCIENCE	22	30	4
12BJ1A0463	R32041	COMPUTER NETWORKS	21	13	0
12BJ1A0463	R32042	MICROWAVE ENGINEERING	22	26	4
12BJ1A0463	R32043	DIGITAL SIGNAL PROCESSING	24	7	0
12BJ1A0463	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	11	0
12BJ1A0463	R32045	VLSI DESIGN	24	26	4
12BJ1A0463	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
12BJ1A0463	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	45	2
12BJ1A0464	R32026	MANAGEMENT SCIENCE	25	50	4
12BJ1A0464	R32041	COMPUTER NETWORKS	25	60	4
12BJ1A0464	R32042	MICROWAVE ENGINEERING	25	62	4
12BJ1A0464	R32043	DIGITAL SIGNAL PROCESSING	25	47	4
12BJ1A0464	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	57	4
12BJ1A0464	R32045	VLSI DESIGN	24	51	4
12BJ1A0464	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
12BJ1A0464	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	50	2
12BJ1A0465	R32026	MANAGEMENT SCIENCE	21	40	4
12BJ1A0465	R32041	COMPUTER NETWORKS	23	47	4
12BJ1A0465	R32042	MICROWAVE ENGINEERING	23	33	4
12BJ1A0465	R32043	DIGITAL SIGNAL PROCESSING	24	38	4
12BJ1A0465	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	37	4
12BJ1A0465	R32045	VLSI DESIGN	24	11	0
12BJ1A0465	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
12BJ1A0465	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	46	2
12BJ1A0466	R32026	MANAGEMENT SCIENCE	22	47	4
12BJ1A0466	R32041	COMPUTER NETWORKS	22	38	4
12BJ1A0466	R32042	MICROWAVE ENGINEERING	25	35	4
12BJ1A0466	R32043	DIGITAL SIGNAL PROCESSING	24	33	4
12BJ1A0466	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	53	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0466	R32045	VLSI DESIGN	24	34	4
12BJ1A0466	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A0466	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A0467	R32026	MANAGEMENT SCIENCE	22	45	4
12BJ1A0467	R32041	COMPUTER NETWORKS	21	26	4
12BJ1A0467	R32042	MICROWAVE ENGINEERING	20	43	4
12BJ1A0467	R32043	DIGITAL SIGNAL PROCESSING	23	33	4
12BJ1A0467	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	23	15	0
12BJ1A0467	R32045	VLSI DESIGN	24	38	4
12BJ1A0467	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A0467	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A0468	R32026	MANAGEMENT SCIENCE	20	41	4
12BJ1A0468	R32041	COMPUTER NETWORKS	20	51	4
12BJ1A0468	R32042	MICROWAVE ENGINEERING	21	40	4
12BJ1A0468	R32043	DIGITAL SIGNAL PROCESSING	25	19	0
12BJ1A0468	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	23	13	0
12BJ1A0468	R32045	VLSI DESIGN	19	38	4
12BJ1A0468	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A0468	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A0469	R32026	MANAGEMENT SCIENCE	21	36	4
12BJ1A0469	R32041	COMPUTER NETWORKS	23	39	4
12BJ1A0469	R32042	MICROWAVE ENGINEERING	24	28	4
12BJ1A0469	R32043	DIGITAL SIGNAL PROCESSING	24	34	4
12BJ1A0469	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	24	28	4
12BJ1A0469	R32045	VLSI DESIGN	23	16	0
12BJ1A0469	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
12BJ1A0469	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	47	2
12BJ1A0470	R32026	MANAGEMENT SCIENCE	23	39	4
12BJ1A0470	R32041	COMPUTER NETWORKS	23	44	4
12BJ1A0470	R32042	MICROWAVE ENGINEERING	23	36	4
12BJ1A0470	R32043	DIGITAL SIGNAL PROCESSING	25	26	4
12BJ1A0470	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	25	32	4
12BJ1A0470	R32045	VLSI DESIGN	23	27	4
12BJ1A0470	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	46	2
12BJ1A0470	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A0471	R32026	MANAGEMENT SCIENCE	24	41	4
12BJ1A0471	R32041	COMPUTER NETWORKS	24	36	4
12BJ1A0471	R32042	MICROWAVE ENGINEERING	24	49	4
12BJ1A0471	R32043	DIGITAL SIGNAL PROCESSING	24	35	4
12BJ1A0471	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	25	60	4
12BJ1A0471	R32045	VLSI DESIGN	24	38	4
12BJ1A0471	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	49	2
12BJ1A0471	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12BJ1A0472	R32026	MANAGEMENT SCIENCE	21	43	4
12BJ1A0472	R32041	COMPUTER NETWORKS	20	57	4
12BJ1A0472	R32042	MICROWAVE ENGINEERING	23	50	4
12BJ1A0472	R32043	DIGITAL SIGNAL PROCESSING	24	38	4
12BJ1A0472	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	23	39	4
12BJ1A0472	R32045	VLSI DESIGN	23	43	4
12BJ1A0472	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	45	2
12BJ1A0472	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	45	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0473	R32026	MANAGEMENT SCIENCE	25	44	4
12BJ1A0473	R32041	COMPUTER NETWORKS	22	58	4
12BJ1A0473	R32042	MICROWAVE ENGINEERING	24	48	4
12BJ1A0473	R32043	DIGITAL SIGNAL PROCESSING	25	59	4
12BJ1A0473	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	64	4
12BJ1A0473	R32045	VLSI DESIGN	24	38	4
12BJ1A0473	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
12BJ1A0473	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	50	2
12BJ1A0474	R32026	MANAGEMENT SCIENCE	19	36	4
12BJ1A0474	R32041	COMPUTER NETWORKS	16	34	4
12BJ1A0474	R32042	MICROWAVE ENGINEERING	21	43	4
12BJ1A0474	R32043	DIGITAL SIGNAL PROCESSING	21	26	4
12BJ1A0474	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	41	4
12BJ1A0474	R32045	VLSI DESIGN	19	10	0
12BJ1A0474	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
12BJ1A0474	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	46	2
12BJ1A0475	R32026	MANAGEMENT SCIENCE	19	47	4
12BJ1A0475	R32041	COMPUTER NETWORKS	24	30	4
12BJ1A0475	R32042	MICROWAVE ENGINEERING	25	45	4
12BJ1A0475	R32043	DIGITAL SIGNAL PROCESSING	23	34	4
12BJ1A0475	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	34	4
12BJ1A0475	R32045	VLSI DESIGN	23	44	4
12BJ1A0475	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
12BJ1A0475	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	46	2
12BJ1A0476	R32026	MANAGEMENT SCIENCE	25	43	4
12BJ1A0476	R32041	COMPUTER NETWORKS	20	58	4
12BJ1A0476	R32042	MICROWAVE ENGINEERING	23	42	4
12BJ1A0476	R32043	DIGITAL SIGNAL PROCESSING	23	46	4
12BJ1A0476	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	28	4
12BJ1A0476	R32045	VLSI DESIGN	24	41	4
12BJ1A0476	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A0476	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A0477	R32026	MANAGEMENT SCIENCE	21	39	4
12BJ1A0477	R32041	COMPUTER NETWORKS	20	51	4
12BJ1A0477	R32042	MICROWAVE ENGINEERING	25	47	4
12BJ1A0477	R32043	DIGITAL SIGNAL PROCESSING	23	43	4
12BJ1A0477	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	55	4
12BJ1A0477	R32045	VLSI DESIGN	22	39	4
12BJ1A0477	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	49	2
12BJ1A0477	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12BJ1A0478	R32026	MANAGEMENT SCIENCE	24	32	4
12BJ1A0478	R32041	COMPUTER NETWORKS	24	47	4
12BJ1A0478	R32042	MICROWAVE ENGINEERING	24	52	4
12BJ1A0478	R32043	DIGITAL SIGNAL PROCESSING	23	34	4
12BJ1A0478	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	54	4
12BJ1A0478	R32045	VLSI DESIGN	24	26	4
12BJ1A0478	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	46	2
12BJ1A0478	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	46	2
12BJ1A0479	R32026	MANAGEMENT SCIENCE	19	40	4
12BJ1A0479	R32041	COMPUTER NETWORKS	14	13	0
12BJ1A0479	R32042	MICROWAVE ENGINEERING	22	34	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0479	R32043	DIGITAL SIGNAL PROCESSING	21	26	4
12BJ1A0479	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	31	4
12BJ1A0479	R32045	VLSI DESIGN	24	35	4
12BJ1A0479	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	46	2
12BJ1A0479	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	46	2
12BJ1A0480	R32026	MANAGEMENT SCIENCE	16	33	4
12BJ1A0480	R32041	COMPUTER NETWORKS	16	55	4
12BJ1A0480	R32042	MICROWAVE ENGINEERING	19	15	0
12BJ1A0480	R32043	DIGITAL SIGNAL PROCESSING	19	17	0
12BJ1A0480	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	16	0
12BJ1A0480	R32045	VLSI DESIGN	17	11	0
12BJ1A0480	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A0480	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A0481	R32026	MANAGEMENT SCIENCE	20	23	0
12BJ1A0481	R32041	COMPUTER NETWORKS	19	26	4
12BJ1A0481	R32042	MICROWAVE ENGINEERING	20	7	0
12BJ1A0481	R32043	DIGITAL SIGNAL PROCESSING	19	6	0
12BJ1A0481	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	0	0
12BJ1A0481	R32045	VLSI DESIGN	20	0	0
12BJ1A0481	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
12BJ1A0481	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	45	2
12BJ1A0482	R32026	MANAGEMENT SCIENCE	16	38	4
12BJ1A0482	R32041	COMPUTER NETWORKS	15	46	4
12BJ1A0482	R32042	MICROWAVE ENGINEERING	20	26	4
12BJ1A0482	R32043	DIGITAL SIGNAL PROCESSING	14	9	0
12BJ1A0482	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	16	0
12BJ1A0482	R32045	VLSI DESIGN	15	12	0
12BJ1A0482	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
12BJ1A0482	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	45	2
12BJ1A0483	R32026	MANAGEMENT SCIENCE	17	17	0
12BJ1A0483	R32041	COMPUTER NETWORKS	15	10	0
12BJ1A0483	R32042	MICROWAVE ENGINEERING	18	5	0
12BJ1A0483	R32043	DIGITAL SIGNAL PROCESSING	14	5	0
12BJ1A0483	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	6	0
12BJ1A0483	R32045	VLSI DESIGN	15	10	0
12BJ1A0483	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
12BJ1A0483	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A0484	R32026	MANAGEMENT SCIENCE	19	18	0
12BJ1A0484	R32041	COMPUTER NETWORKS	12	46	4
12BJ1A0484	R32042	MICROWAVE ENGINEERING	17	8	0
12BJ1A0484	R32043	DIGITAL SIGNAL PROCESSING	17	30	4
12BJ1A0484	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	13	0
12BJ1A0484	R32045	VLSI DESIGN	22	4	0
12BJ1A0484	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
12BJ1A0484	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	46	2
12BJ1A0485	R32026	MANAGEMENT SCIENCE	22	38	4
12BJ1A0485	R32041	COMPUTER NETWORKS	18	36	4
12BJ1A0485	R32042	MICROWAVE ENGINEERING	23	19	0
12BJ1A0485	R32043	DIGITAL SIGNAL PROCESSING	24	16	0
12BJ1A0485	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	26	4
12BJ1A0485	R32045	VLSI DESIGN	20	9	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0485	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	35	2
12BJ1A0485	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	9	0
12BJ1A0486	R32026	MANAGEMENT SCIENCE	21	35	4
12BJ1A0486	R32041	COMPUTER NETWORKS	13	32	4
12BJ1A0486	R32042	MICROWAVE ENGINEERING	20	28	4
12BJ1A0486	R32043	DIGITAL SIGNAL PROCESSING	21	16	0
12BJ1A0486	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	26	4
12BJ1A0486	R32045	VLSI DESIGN	19	13	0
12BJ1A0486	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
12BJ1A0486	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	7	0
12BJ1A0487	R32026	MANAGEMENT SCIENCE	14	40	4
12BJ1A0487	R32041	COMPUTER NETWORKS	18	27	4
12BJ1A0487	R32042	MICROWAVE ENGINEERING	21	40	4
12BJ1A0487	R32043	DIGITAL SIGNAL PROCESSING	23	26	4
12BJ1A0487	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	29	4
12BJ1A0487	R32045	VLSI DESIGN	18	42	4
12BJ1A0487	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	35	2
12BJ1A0487	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	36	2
12BJ1A0488	R32026	MANAGEMENT SCIENCE	14	37	4
12BJ1A0488	R32041	COMPUTER NETWORKS	17	61	4
12BJ1A0488	R32042	MICROWAVE ENGINEERING	21	48	4
12BJ1A0488	R32043	DIGITAL SIGNAL PROCESSING	18	39	4
12BJ1A0488	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	38	4
12BJ1A0488	R32045	VLSI DESIGN	20	43	4
12BJ1A0488	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
12BJ1A0488	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	45	2
12BJ1A0489	R32026	MANAGEMENT SCIENCE	14	10	0
12BJ1A0489	R32041	COMPUTER NETWORKS	15	3	0
12BJ1A0489	R32042	MICROWAVE ENGINEERING	15	0	0
12BJ1A0489	R32043	DIGITAL SIGNAL PROCESSING	19	0	0
12BJ1A0489	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	1	0
12BJ1A0489	R32045	VLSI DESIGN	17	0	0
12BJ1A0489	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
12BJ1A0489	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	43	2
12BJ1A0490	R32026	MANAGEMENT SCIENCE	14	39	4
12BJ1A0490	R32041	COMPUTER NETWORKS	14	39	4
12BJ1A0490	R32042	MICROWAVE ENGINEERING	15	9	0
12BJ1A0490	R32043	DIGITAL SIGNAL PROCESSING	16	1	0
12BJ1A0490	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	4	0
12BJ1A0490	R32045	VLSI DESIGN	14	0	0
12BJ1A0490	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	38	2
12BJ1A0490	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
12BJ1A0491	R32026	MANAGEMENT SCIENCE	21	38	4
12BJ1A0491	R32041	COMPUTER NETWORKS	14	26	4
12BJ1A0491	R32042	MICROWAVE ENGINEERING	22	38	4
12BJ1A0491	R32043	DIGITAL SIGNAL PROCESSING	23	33	4
12BJ1A0491	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	30	4
12BJ1A0491	R32045	VLSI DESIGN	19	38	4
12BJ1A0491	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
12BJ1A0491	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	10	0
12BJ1A0492	R32026	MANAGEMENT SCIENCE	18	31	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0492	R32041	COMPUTER NETWORKS	14	51	4
12BJ1A0492	R32042	MICROWAVE ENGINEERING	14	14	0
12BJ1A0492	R32043	DIGITAL SIGNAL PROCESSING	16	8	0
12BJ1A0492	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	13	0
12BJ1A0492	R32045	VLSI DESIGN	15	1	0
12BJ1A0492	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	35	2
12BJ1A0492	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	35	2
12BJ1A0493	R32026	MANAGEMENT SCIENCE	18	34	4
12BJ1A0493	R32041	COMPUTER NETWORKS	15	33	4
12BJ1A0493	R32042	MICROWAVE ENGINEERING	18	28	4
12BJ1A0493	R32043	DIGITAL SIGNAL PROCESSING	22	47	4
12BJ1A0493	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	32	4
12BJ1A0493	R32045	VLSI DESIGN	20	6	0
12BJ1A0493	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	38	2
12BJ1A0493	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	38	2
12BJ1A0494	R32026	MANAGEMENT SCIENCE	14	38	4
12BJ1A0494	R32041	COMPUTER NETWORKS	0	26	0
12BJ1A0494	R32042	MICROWAVE ENGINEERING	21	2	0
12BJ1A0494	R32043	DIGITAL SIGNAL PROCESSING	17	5	0
12BJ1A0494	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	4	0
12BJ1A0494	R32045	VLSI DESIGN	16	2	0
12BJ1A0494	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	38	2
12BJ1A0494	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
12BJ1A0496	R32026	MANAGEMENT SCIENCE	22	39	4
12BJ1A0496	R32041	COMPUTER NETWORKS	24	46	4
12BJ1A0496	R32042	MICROWAVE ENGINEERING	23	33	4
12BJ1A0496	R32043	DIGITAL SIGNAL PROCESSING	24	37	4
12BJ1A0496	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	35	4
12BJ1A0496	R32045	VLSI DESIGN	24	31	4
12BJ1A0496	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
12BJ1A0496	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	50	2
12BJ1A0497	R32026	MANAGEMENT SCIENCE	14	36	4
12BJ1A0497	R32041	COMPUTER NETWORKS	14	60	4
12BJ1A0497	R32042	MICROWAVE ENGINEERING	17	46	4
12BJ1A0497	R32043	DIGITAL SIGNAL PROCESSING	21	39	4
12BJ1A0497	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	30	4
12BJ1A0497	R32045	VLSI DESIGN	18	36	4
12BJ1A0497	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	35	2
12BJ1A0497	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	36	2
12BJ1A0498	R32026	MANAGEMENT SCIENCE	17	37	4
12BJ1A0498	R32041	COMPUTER NETWORKS	19	43	4
12BJ1A0498	R32042	MICROWAVE ENGINEERING	19	40	4
12BJ1A0498	R32043	DIGITAL SIGNAL PROCESSING	16	52	4
12BJ1A0498	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	38	4
12BJ1A0498	R32045	VLSI DESIGN	19	15	0
12BJ1A0498	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	41	2
12BJ1A0498	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	42	2
12BJ1A0499	R32026	MANAGEMENT SCIENCE	14	8	0
12BJ1A0499	R32041	COMPUTER NETWORKS	15	32	4
12BJ1A0499	R32042	MICROWAVE ENGINEERING	15	11	0
12BJ1A0499	R32043	DIGITAL SIGNAL PROCESSING	14	10	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0499	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	26	4
12BJ1A0499	R32045	VLSI DESIGN	19	2	0
12BJ1A0499	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	10	0
12BJ1A0499	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	38	2
12BJ1A04A0	R32026	MANAGEMENT SCIENCE	14	25	0
12BJ1A04A0	R32041	COMPUTER NETWORKS	13	17	0
12BJ1A04A0	R32042	MICROWAVE ENGINEERING	14	10	0
12BJ1A04A0	R32043	DIGITAL SIGNAL PROCESSING	19	15	0
12BJ1A04A0	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	23	0
12BJ1A04A0	R32045	VLSI DESIGN	17	22	0
12BJ1A04A0	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	38	2
12BJ1A04A0	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	38	2
12BJ1A04A1	R32026	MANAGEMENT SCIENCE	20	36	4
12BJ1A04A1	R32041	COMPUTER NETWORKS	18	61	4
12BJ1A04A1	R32042	MICROWAVE ENGINEERING	22	51	4
12BJ1A04A1	R32043	DIGITAL SIGNAL PROCESSING	20	43	4
12BJ1A04A1	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	15	0
12BJ1A04A1	R32045	VLSI DESIGN	17	35	4
12BJ1A04A1	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	42	2
12BJ1A04A1	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	43	2
12BJ1A04A2	R32026	MANAGEMENT SCIENCE	16	26	4
12BJ1A04A2	R32041	COMPUTER NETWORKS	16	26	4
12BJ1A04A2	R32042	MICROWAVE ENGINEERING	20	10	0
12BJ1A04A2	R32043	DIGITAL SIGNAL PROCESSING	22	1	0
12BJ1A04A2	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	16	0
12BJ1A04A2	R32045	VLSI DESIGN	21	11	0
12BJ1A04A2	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	43	2
12BJ1A04A2	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	43	2
12BJ1A04A3	R32026	MANAGEMENT SCIENCE	20	14	0
12BJ1A04A3	R32041	COMPUTER NETWORKS	18	30	4
12BJ1A04A3	R32042	MICROWAVE ENGINEERING	17	17	0
12BJ1A04A3	R32043	DIGITAL SIGNAL PROCESSING	18	2	0
12BJ1A04A3	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	4	0
12BJ1A04A3	R32045	VLSI DESIGN	20	0	0
12BJ1A04A3	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	43	2
12BJ1A04A3	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	10	0
12BJ1A04A4	R32026	MANAGEMENT SCIENCE	18	32	4
12BJ1A04A4	R32041	COMPUTER NETWORKS	14	11	0
12BJ1A04A4	R32042	MICROWAVE ENGINEERING	15	0	0
12BJ1A04A4	R32043	DIGITAL SIGNAL PROCESSING	18	4	0
12BJ1A04A4	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	3	0
12BJ1A04A4	R32045	VLSI DESIGN	22	15	0
12BJ1A04A4	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	35	2
12BJ1A04A4	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	40	2
12BJ1A04A5	R32026	MANAGEMENT SCIENCE	18	12	0
12BJ1A04A5	R32041	COMPUTER NETWORKS	13	5	0
12BJ1A04A5	R32042	MICROWAVE ENGINEERING	14	8	0
12BJ1A04A5	R32043	DIGITAL SIGNAL PROCESSING	21	9	0
12BJ1A04A5	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	2	0
12BJ1A04A5	R32045	VLSI DESIGN	17	0	0
12BJ1A04A5	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A04A5	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	45	2
12BJ1A04A6	R32026	MANAGEMENT SCIENCE	22	48	4
12BJ1A04A6	R32041	COMPUTER NETWORKS	19	43	4
12BJ1A04A6	R32042	MICROWAVE ENGINEERING	24	32	4
12BJ1A04A6	R32043	DIGITAL SIGNAL PROCESSING	24	47	4
12BJ1A04A6	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	50	4
12BJ1A04A6	R32045	VLSI DESIGN	22	30	4
12BJ1A04A6	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	49	2
12BJ1A04A6	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12BJ1A04A7	R32026	MANAGEMENT SCIENCE	20	26	4
12BJ1A04A7	R32041	COMPUTER NETWORKS	15	29	4
12BJ1A04A7	R32042	MICROWAVE ENGINEERING	15	26	4
12BJ1A04A7	R32043	DIGITAL SIGNAL PROCESSING	15	3	0
12BJ1A04A7	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	8	0
12BJ1A04A7	R32045	VLSI DESIGN	21	7	0
12BJ1A04A7	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	42	2
12BJ1A04A7	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	44	2
12BJ1A04A8	R32026	MANAGEMENT SCIENCE	22	49	4
12BJ1A04A8	R32041	COMPUTER NETWORKS	21	33	4
12BJ1A04A8	R32042	MICROWAVE ENGINEERING	22	11	0
12BJ1A04A8	R32043	DIGITAL SIGNAL PROCESSING	23	35	4
12BJ1A04A8	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	32	4
12BJ1A04A8	R32045	VLSI DESIGN	24	32	4
12BJ1A04A8	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
12BJ1A04A8	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	50	2
12BJ1A04A9	R32026	MANAGEMENT SCIENCE	22	33	4
12BJ1A04A9	R32041	COMPUTER NETWORKS	21	48	4
12BJ1A04A9	R32042	MICROWAVE ENGINEERING	24	47	4
12BJ1A04A9	R32043	DIGITAL SIGNAL PROCESSING	20	35	4
12BJ1A04A9	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	10	0
12BJ1A04A9	R32045	VLSI DESIGN	24	35	4
12BJ1A04A9	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
12BJ1A04A9	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A04B0	R32026	MANAGEMENT SCIENCE	14	13	0
12BJ1A04B0	R32041	COMPUTER NETWORKS	14	4	0
12BJ1A04B0	R32042	MICROWAVE ENGINEERING	17	0	0
12BJ1A04B0	R32043	DIGITAL SIGNAL PROCESSING	15	3	0
12BJ1A04B0	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	0	0
12BJ1A04B0	R32045	VLSI DESIGN	14	0	0
12BJ1A04B0	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
12BJ1A04B0	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	43	2
12BJ1A04B1	R32026	MANAGEMENT SCIENCE	14	31	4
12BJ1A04B1	R32041	COMPUTER NETWORKS	16	26	4
12BJ1A04B1	R32042	MICROWAVE ENGINEERING	16	7	0
12BJ1A04B1	R32043	DIGITAL SIGNAL PROCESSING	15	7	0
12BJ1A04B1	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	4	0
12BJ1A04B1	R32045	VLSI DESIGN	18	0	0
12BJ1A04B1	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	40	2
12BJ1A04B1	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
12BJ1A04B2	R32026	MANAGEMENT SCIENCE	14	2	0
12BJ1A04B2	R32041	COMPUTER NETWORKS	14	0	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A04B2	R32042	MICROWAVE ENGINEERING	13	15	0
12BJ1A04B2	R32043	DIGITAL SIGNAL PROCESSING	15	1	0
12BJ1A04B2	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	22	0
12BJ1A04B2	R32045	VLSI DESIGN	16	2	0
12BJ1A04B2	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
12BJ1A04B2	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	40	2
12BJ1A04B3	R32026	MANAGEMENT SCIENCE	17	14	0
12BJ1A04B3	R32041	COMPUTER NETWORKS	16	30	4
12BJ1A04B3	R32042	MICROWAVE ENGINEERING	21	31	4
12BJ1A04B3	R32043	DIGITAL SIGNAL PROCESSING	23	7	0
12BJ1A04B3	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	26	4
12BJ1A04B3	R32045	VLSI DESIGN	18	8	0
12BJ1A04B3	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
12BJ1A04B3	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	45	2
12BJ1A04B4	R32026	MANAGEMENT SCIENCE	0	-1	0
12BJ1A04B4	R32041	COMPUTER NETWORKS	0	-1	0
12BJ1A04B4	R32042	MICROWAVE ENGINEERING	0	-1	0
12BJ1A04B4	R32043	DIGITAL SIGNAL PROCESSING	15	-1	0
12BJ1A04B4	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	0	-1	0
12BJ1A04B4	R32045	VLSI DESIGN	0	-1	0
12BJ1A04B4	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	15	-1	0
12BJ1A04B4	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	14	-1	0
12BJ1A04B7	R32026	MANAGEMENT SCIENCE	23	37	4
12BJ1A04B7	R32041	COMPUTER NETWORKS	23	49	4
12BJ1A04B7	R32042	MICROWAVE ENGINEERING	25	45	4
12BJ1A04B7	R32043	DIGITAL SIGNAL PROCESSING	25	35	4
12BJ1A04B7	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	45	4
12BJ1A04B7	R32045	VLSI DESIGN	22	28	4
12BJ1A04B7	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
12BJ1A04B7	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12BJ1A04B8	R32026	MANAGEMENT SCIENCE	14	36	4
12BJ1A04B8	R32041	COMPUTER NETWORKS	13	27	4
12BJ1A04B8	R32042	MICROWAVE ENGINEERING	19	7	0
12BJ1A04B8	R32043	DIGITAL SIGNAL PROCESSING	17	16	0
12BJ1A04B8	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	9	0
12BJ1A04B8	R32045	VLSI DESIGN	16	31	4
12BJ1A04B8	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	35	2
12BJ1A04B8	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	35	2
12BJ1A04B9	R32026	MANAGEMENT SCIENCE	20	39	4
12BJ1A04B9	R32041	COMPUTER NETWORKS	19	43	4
12BJ1A04B9	R32042	MICROWAVE ENGINEERING	21	51	4
12BJ1A04B9	R32043	DIGITAL SIGNAL PROCESSING	24	27	4
12BJ1A04B9	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	18	0
12BJ1A04B9	R32045	VLSI DESIGN	21	7	0
12BJ1A04B9	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A04B9	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A04C1	R32026	MANAGEMENT SCIENCE	22	43	4
12BJ1A04C1	R32041	COMPUTER NETWORKS	24	54	4
12BJ1A04C1	R32042	MICROWAVE ENGINEERING	25	32	4
12BJ1A04C1	R32043	DIGITAL SIGNAL PROCESSING	25	61	4
12BJ1A04C1	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	37	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A04C1	R32045	VLSI DESIGN	24	15	0
12BJ1A04C1	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	49	2
12BJ1A04C1	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	50	2
12BJ1A04C2	R32026	MANAGEMENT SCIENCE	22	31	4
12BJ1A04C2	R32041	COMPUTER NETWORKS	19	35	4
12BJ1A04C2	R32042	MICROWAVE ENGINEERING	25	52	4
12BJ1A04C2	R32043	DIGITAL SIGNAL PROCESSING	23	26	4
12BJ1A04C2	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	22	35	4
12BJ1A04C2	R32045	VLSI DESIGN	18	14	0
12BJ1A04C2	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
12BJ1A04C2	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	47	2
12BJ1A04C4	R32026	MANAGEMENT SCIENCE	22	45	4
12BJ1A04C4	R32041	COMPUTER NETWORKS	20	36	4
12BJ1A04C4	R32042	MICROWAVE ENGINEERING	25	26	4
12BJ1A04C4	R32043	DIGITAL SIGNAL PROCESSING	24	33	4
12BJ1A04C4	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	23	35	4
12BJ1A04C4	R32045	VLSI DESIGN	20	41	4
12BJ1A04C4	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	47	2
12BJ1A04C4	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	47	2
12BJ1A04C5	R32026	MANAGEMENT SCIENCE	23	29	4
12BJ1A04C5	R32041	COMPUTER NETWORKS	24	56	4
12BJ1A04C5	R32042	MICROWAVE ENGINEERING	24	26	4
12BJ1A04C5	R32043	DIGITAL SIGNAL PROCESSING	23	19	0
12BJ1A04C5	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	25	30	4
12BJ1A04C5	R32045	VLSI DESIGN	22	35	4
12BJ1A04C5	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	45	2
12BJ1A04C5	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A04C6	R32026	MANAGEMENT SCIENCE	20	44	4
12BJ1A04C6	R32041	COMPUTER NETWORKS	23	48	4
12BJ1A04C6	R32042	MICROWAVE ENGINEERING	25	43	4
12BJ1A04C6	R32043	DIGITAL SIGNAL PROCESSING	24	36	4
12BJ1A04C6	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	23	49	4
12BJ1A04C6	R32045	VLSI DESIGN	20	47	4
12BJ1A04C6	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	49	2
12BJ1A04C6	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12BJ1A04C7	R32026	MANAGEMENT SCIENCE	24	35	4
12BJ1A04C7	R32041	COMPUTER NETWORKS	24	53	4
12BJ1A04C7	R32042	MICROWAVE ENGINEERING	24	50	4
12BJ1A04C7	R32043	DIGITAL SIGNAL PROCESSING	25	33	4
12BJ1A04C7	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	25	55	4
12BJ1A04C7	R32045	VLSI DESIGN	22	29	4
12BJ1A04C7	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	48	2
12BJ1A04C7	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	50	2
12BJ1A04C8	R32026	MANAGEMENT SCIENCE	23	39	4
12BJ1A04C8	R32041	COMPUTER NETWORKS	24	29	4
12BJ1A04C8	R32042	MICROWAVE ENGINEERING	25	37	4
12BJ1A04C8	R32043	DIGITAL SIGNAL PROCESSING	20	26	4
12BJ1A04C8	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	25	16	0
12BJ1A04C8	R32045	VLSI DESIGN	23	35	4
12BJ1A04C8	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A04C8	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	46	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A04C9	R32026	MANAGEMENT SCIENCE	24	38	4
12BJ1A04C9	R32041	COMPUTER NETWORKS	21	56	4
12BJ1A04C9	R32042	MICROWAVE ENGINEERING	21	31	4
12BJ1A04C9	R32043	DIGITAL SIGNAL PROCESSING	24	31	4
12BJ1A04C9	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	29	4
12BJ1A04C9	R32045	VLSI DESIGN	22	40	4
12BJ1A04C9	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
12BJ1A04C9	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	46	2
12BJ1A04D0	R32026	MANAGEMENT SCIENCE	23	40	4
12BJ1A04D0	R32041	COMPUTER NETWORKS	22	59	4
12BJ1A04D0	R32042	MICROWAVE ENGINEERING	23	40	4
12BJ1A04D0	R32043	DIGITAL SIGNAL PROCESSING	24	56	4
12BJ1A04D0	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	70	4
12BJ1A04D0	R32045	VLSI DESIGN	23	41	4
12BJ1A04D0	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
12BJ1A04D0	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	50	2
12BJ1A04D1	R32026	MANAGEMENT SCIENCE	23	39	4
12BJ1A04D1	R32041	COMPUTER NETWORKS	22	37	4
12BJ1A04D1	R32042	MICROWAVE ENGINEERING	25	36	4
12BJ1A04D1	R32043	DIGITAL SIGNAL PROCESSING	20	33	4
12BJ1A04D1	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	42	4
12BJ1A04D1	R32045	VLSI DESIGN	24	27	4
12BJ1A04D1	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	43	2
12BJ1A04D1	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	43	2
12BJ1A04D2	R32026	MANAGEMENT SCIENCE	19	28	4
12BJ1A04D2	R32041	COMPUTER NETWORKS	15	13	0
12BJ1A04D2	R32042	MICROWAVE ENGINEERING	18	5	0
12BJ1A04D2	R32043	DIGITAL SIGNAL PROCESSING	18	8	0
12BJ1A04D2	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	1	0
12BJ1A04D2	R32045	VLSI DESIGN	14	4	0
12BJ1A04D2	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A04D2	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	45	2
12BJ1A04D3	R32026	MANAGEMENT SCIENCE	14	0	0
12BJ1A04D3	R32041	COMPUTER NETWORKS	17	3	0
12BJ1A04D3	R32042	MICROWAVE ENGINEERING	21	7	0
12BJ1A04D3	R32043	DIGITAL SIGNAL PROCESSING	16	16	0
12BJ1A04D3	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	2	0
12BJ1A04D3	R32045	VLSI DESIGN	17	15	0
12BJ1A04D3	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	10	0
12BJ1A04D3	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	36	2
12BJ1A04D4	R32026	MANAGEMENT SCIENCE	14	0	0
12BJ1A04D4	R32041	COMPUTER NETWORKS	19	30	4
12BJ1A04D4	R32042	MICROWAVE ENGINEERING	24	26	4
12BJ1A04D4	R32043	DIGITAL SIGNAL PROCESSING	21	16	0
12BJ1A04D4	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	13	0
12BJ1A04D4	R32045	VLSI DESIGN	16	28	4
12BJ1A04D4	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	40	2
12BJ1A04D4	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
12BJ1A04D5	R32026	MANAGEMENT SCIENCE	22	10	0
12BJ1A04D5	R32041	COMPUTER NETWORKS	21	27	4
12BJ1A04D5	R32042	MICROWAVE ENGINEERING	18	7	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A04D5	R32043	DIGITAL SIGNAL PROCESSING	21	8	0
12BJ1A04D5	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	5	0
12BJ1A04D5	R32045	VLSI DESIGN	19	2	0
12BJ1A04D5	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12BJ1A04D5	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A04D6	R32026	MANAGEMENT SCIENCE	20	32	4
12BJ1A04D6	R32041	COMPUTER NETWORKS	20	16	0
12BJ1A04D6	R32042	MICROWAVE ENGINEERING	17	36	4
12BJ1A04D6	R32043	DIGITAL SIGNAL PROCESSING	21	3	0
12BJ1A04D6	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	26	4
12BJ1A04D6	R32045	VLSI DESIGN	22	30	4
12BJ1A04D6	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
12BJ1A04D6	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12BJ1A04D7	R32026	MANAGEMENT SCIENCE	19	38	4
12BJ1A04D7	R32041	COMPUTER NETWORKS	15	55	4
12BJ1A04D7	R32042	MICROWAVE ENGINEERING	20	10	0
12BJ1A04D7	R32043	DIGITAL SIGNAL PROCESSING	24	38	4
12BJ1A04D7	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	8	0
12BJ1A04D7	R32045	VLSI DESIGN	18	26	4
12BJ1A04D7	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
12BJ1A04D7	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	43	2
12BJ1A04D8	R32026	MANAGEMENT SCIENCE	24	35	4
12BJ1A04D8	R32041	COMPUTER NETWORKS	23	47	4
12BJ1A04D8	R32042	MICROWAVE ENGINEERING	23	43	4
12BJ1A04D8	R32043	DIGITAL SIGNAL PROCESSING	21	47	4
12BJ1A04D8	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	38	4
12BJ1A04D8	R32045	VLSI DESIGN	24	26	4
12BJ1A04D8	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
12BJ1A04D8	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	44	2
12BJ1A04D9	R32026	MANAGEMENT SCIENCE	15	18	0
12BJ1A04D9	R32041	COMPUTER NETWORKS	18	42	4
12BJ1A04D9	R32042	MICROWAVE ENGINEERING	18	20	0
12BJ1A04D9	R32043	DIGITAL SIGNAL PROCESSING	23	8	0
12BJ1A04D9	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	26	4
12BJ1A04D9	R32045	VLSI DESIGN	18	26	4
12BJ1A04D9	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
12BJ1A04D9	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	44	2
12BJ1A04E1	R32026	MANAGEMENT SCIENCE	13	-1	0
12BJ1A04E1	R32041	COMPUTER NETWORKS	14	-1	0
12BJ1A04E1	R32042	MICROWAVE ENGINEERING	9	-1	0
12BJ1A04E1	R32043	DIGITAL SIGNAL PROCESSING	14	-1	0
12BJ1A04E1	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	-1	0
12BJ1A04E1	R32045	VLSI DESIGN	16	-1	0
12BJ1A04E1	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	-1	0
12BJ1A04E1	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	-1	0
12BJ1A04E3	R32026	MANAGEMENT SCIENCE	12	10	0
12BJ1A04E3	R32041	COMPUTER NETWORKS	13	37	4
12BJ1A04E3	R32042	MICROWAVE ENGINEERING	15	0	0
12BJ1A04E3	R32043	DIGITAL SIGNAL PROCESSING	14	16	0
12BJ1A04E3	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	4	0
12BJ1A04E3	R32045	VLSI DESIGN	15	14	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A04E3	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	43	2
12BJ1A04E3	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	10	0
12BJ1A04E4	R32026	MANAGEMENT SCIENCE	0	-1	0
12BJ1A04E4	R32041	COMPUTER NETWORKS	0	-1	0
12BJ1A04E4	R32042	MICROWAVE ENGINEERING	0	-1	0
12BJ1A04E4	R32043	DIGITAL SIGNAL PROCESSING	0	-1	0
12BJ1A04E4	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	0	-1	0
12BJ1A04E4	R32045	VLSI DESIGN	0	-1	0
12BJ1A04E4	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	-1	0
12BJ1A04E4	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	13	-1	0
12BJ1A04E5	R32026	MANAGEMENT SCIENCE	20	16	0
12BJ1A04E5	R32041	COMPUTER NETWORKS	17	35	4
12BJ1A04E5	R32042	MICROWAVE ENGINEERING	22	38	4
12BJ1A04E5	R32043	DIGITAL SIGNAL PROCESSING	23	34	4
12BJ1A04E5	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	29	4
12BJ1A04E5	R32045	VLSI DESIGN	24	7	0
12BJ1A04E5	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
12BJ1A04E5	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	44	2
12BJ1A04E6	R32026	MANAGEMENT SCIENCE	19	45	4
12BJ1A04E6	R32041	COMPUTER NETWORKS	18	26	4
12BJ1A04E6	R32042	MICROWAVE ENGINEERING	23	31	4
12BJ1A04E6	R32043	DIGITAL SIGNAL PROCESSING	19	16	0
12BJ1A04E6	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	12	0
12BJ1A04E6	R32045	VLSI DESIGN	19	29	4
12BJ1A04E6	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
12BJ1A04E6	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	44	2
12BJ1A0501	R32026	MANAGEMENT SCIENCE	22	53	4
12BJ1A0501	R32051	ADVANCED COMPUTER NETWORKS	17	42	4
12BJ1A0501	R32052	COMPUTER ARCHITECTURE	20	37	4
12BJ1A0501	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	45	4
12BJ1A0501	R32054	UNIX PROGRAMMING	23	42	4
12BJ1A0501	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	40	4
12BJ1A0501	R32057	COMPUTER NETWORKS AND UNIX LAB	21	45	2
12BJ1A0501	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	47	2
12BJ1A0502	R32026	MANAGEMENT SCIENCE	20	37	4
12BJ1A0502	R32051	ADVANCED COMPUTER NETWORKS	16	35	4
12BJ1A0502	R32052	COMPUTER ARCHITECTURE	20	28	4
12BJ1A0502	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	32	4
12BJ1A0502	R32054	UNIX PROGRAMMING	19	26	4
12BJ1A0502	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	53	4
12BJ1A0502	R32057	COMPUTER NETWORKS AND UNIX LAB	21	44	2
12BJ1A0502	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	47	2
12BJ1A0503	R32026	MANAGEMENT SCIENCE	21	26	4
12BJ1A0503	R32051	ADVANCED COMPUTER NETWORKS	23	40	4
12BJ1A0503	R32052	COMPUTER ARCHITECTURE	24	29	4
12BJ1A0503	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	41	4
12BJ1A0503	R32054	UNIX PROGRAMMING	22	47	4
12BJ1A0503	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	51	4
12BJ1A0503	R32057	COMPUTER NETWORKS AND UNIX LAB	25	49	2
12BJ1A0503	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12BJ1A0504	R32026	MANAGEMENT SCIENCE	23	42	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0504	R32051	ADVANCED COMPUTER NETWORKS	24	50	4
12BJ1A0504	R32052	COMPUTER ARCHITECTURE	21	47	4
12BJ1A0504	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	41	4
12BJ1A0504	R32054	UNIX PROGRAMMING	23	31	4
12BJ1A0504	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	45	4
12BJ1A0504	R32057	COMPUTER NETWORKS AND UNIX LAB	23	45	2
12BJ1A0504	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	46	2
12BJ1A0505	R32026	MANAGEMENT SCIENCE	23	35	4
12BJ1A0505	R32051	ADVANCED COMPUTER NETWORKS	24	44	4
12BJ1A0505	R32052	COMPUTER ARCHITECTURE	23	38	4
12BJ1A0505	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	36	4
12BJ1A0505	R32054	UNIX PROGRAMMING	22	39	4
12BJ1A0505	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	25	37	4
12BJ1A0505	R32057	COMPUTER NETWORKS AND UNIX LAB	22	46	2
12BJ1A0505	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	47	2
12BJ1A0506	R32026	MANAGEMENT SCIENCE	20	36	4
12BJ1A0506	R32051	ADVANCED COMPUTER NETWORKS	23	31	4
12BJ1A0506	R32052	COMPUTER ARCHITECTURE	22	30	4
12BJ1A0506	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	36	4
12BJ1A0506	R32054	UNIX PROGRAMMING	24	28	4
12BJ1A0506	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	48	4
12BJ1A0506	R32057	COMPUTER NETWORKS AND UNIX LAB	22	46	2
12BJ1A0506	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
12BJ1A0507	R32026	MANAGEMENT SCIENCE	21	30	4
12BJ1A0507	R32051	ADVANCED COMPUTER NETWORKS	18	29	4
12BJ1A0507	R32052	COMPUTER ARCHITECTURE	21	30	4
12BJ1A0507	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	26	4
12BJ1A0507	R32054	UNIX PROGRAMMING	23	28	4
12BJ1A0507	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	35	4
12BJ1A0507	R32057	COMPUTER NETWORKS AND UNIX LAB	23	47	2
12BJ1A0507	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	47	2
12BJ1A0508	R32026	MANAGEMENT SCIENCE	20	40	4
12BJ1A0508	R32051	ADVANCED COMPUTER NETWORKS	17	44	4
12BJ1A0508	R32052	COMPUTER ARCHITECTURE	16	33	4
12BJ1A0508	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	29	4
12BJ1A0508	R32054	UNIX PROGRAMMING	20	32	4
12BJ1A0508	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	31	4
12BJ1A0508	R32057	COMPUTER NETWORKS AND UNIX LAB	22	46	2
12BJ1A0508	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	48	2
12BJ1A0509	R32026	MANAGEMENT SCIENCE	19	36	4
12BJ1A0509	R32051	ADVANCED COMPUTER NETWORKS	21	44	4
12BJ1A0509	R32052	COMPUTER ARCHITECTURE	20	36	4
12BJ1A0509	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	38	4
12BJ1A0509	R32054	UNIX PROGRAMMING	16	43	4
12BJ1A0509	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	30	4
12BJ1A0509	R32057	COMPUTER NETWORKS AND UNIX LAB	23	47	2
12BJ1A0509	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	46	2
12BJ1A0510	R32026	MANAGEMENT SCIENCE	19	26	4
12BJ1A0510	R32051	ADVANCED COMPUTER NETWORKS	17	27	4
12BJ1A0510	R32052	COMPUTER ARCHITECTURE	19	13	0
12BJ1A0510	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	30	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0510	R32054	UNIX PROGRAMMING	20	18	0
12BJ1A0510	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	41	4
12BJ1A0510	R32057	COMPUTER NETWORKS AND UNIX LAB	23	48	2
12BJ1A0510	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	46	2
12BJ1A0511	R32026	MANAGEMENT SCIENCE	23	12	0
12BJ1A0511	R32051	ADVANCED COMPUTER NETWORKS	22	37	4
12BJ1A0511	R32052	COMPUTER ARCHITECTURE	24	19	0
12BJ1A0511	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	29	4
12BJ1A0511	R32054	UNIX PROGRAMMING	23	29	4
12BJ1A0511	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	29	4
12BJ1A0511	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
12BJ1A0511	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12BJ1A0512	R32026	MANAGEMENT SCIENCE	20	30	4
12BJ1A0512	R32051	ADVANCED COMPUTER NETWORKS	16	37	4
12BJ1A0512	R32052	COMPUTER ARCHITECTURE	23	37	4
12BJ1A0512	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	35	4
12BJ1A0512	R32054	UNIX PROGRAMMING	22	13	0
12BJ1A0512	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	31	4
12BJ1A0512	R32057	COMPUTER NETWORKS AND UNIX LAB	22	46	2
12BJ1A0512	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
12BJ1A0513	R32026	MANAGEMENT SCIENCE	21	33	4
12BJ1A0513	R32051	ADVANCED COMPUTER NETWORKS	22	55	4
12BJ1A0513	R32052	COMPUTER ARCHITECTURE	19	26	4
12BJ1A0513	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	31	4
12BJ1A0513	R32054	UNIX PROGRAMMING	22	34	4
12BJ1A0513	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	34	4
12BJ1A0513	R32057	COMPUTER NETWORKS AND UNIX LAB	22	47	2
12BJ1A0513	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	48	2
12BJ1A0514	R32026	MANAGEMENT SCIENCE	23	41	4
12BJ1A0514	R32051	ADVANCED COMPUTER NETWORKS	24	39	4
12BJ1A0514	R32052	COMPUTER ARCHITECTURE	23	43	4
12BJ1A0514	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	48	4
12BJ1A0514	R32054	UNIX PROGRAMMING	22	29	4
12BJ1A0514	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	56	4
12BJ1A0514	R32057	COMPUTER NETWORKS AND UNIX LAB	23	48	2
12BJ1A0514	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12BJ1A0515	R32026	MANAGEMENT SCIENCE	21	28	4
12BJ1A0515	R32051	ADVANCED COMPUTER NETWORKS	20	35	4
12BJ1A0515	R32052	COMPUTER ARCHITECTURE	18	29	4
12BJ1A0515	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	32	4
12BJ1A0515	R32054	UNIX PROGRAMMING	21	42	4
12BJ1A0515	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	41	4
12BJ1A0515	R32057	COMPUTER NETWORKS AND UNIX LAB	21	46	2
12BJ1A0515	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	46	2
12BJ1A0516	R32026	MANAGEMENT SCIENCE	23	38	4
12BJ1A0516	R32051	ADVANCED COMPUTER NETWORKS	22	32	4
12BJ1A0516	R32052	COMPUTER ARCHITECTURE	23	39	4
12BJ1A0516	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	40	4
12BJ1A0516	R32054	UNIX PROGRAMMING	21	11	0
12BJ1A0516	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	36	4
12BJ1A0516	R32057	COMPUTER NETWORKS AND UNIX LAB	19	49	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0516	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	49	2
12BJ1A0517	R32026	MANAGEMENT SCIENCE	24	46	4
12BJ1A0517	R32051	ADVANCED COMPUTER NETWORKS	21	46	4
12BJ1A0517	R32052	COMPUTER ARCHITECTURE	21	29	4
12BJ1A0517	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	38	4
12BJ1A0517	R32054	UNIX PROGRAMMING	22	40	4
12BJ1A0517	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	37	4
12BJ1A0517	R32057	COMPUTER NETWORKS AND UNIX LAB	21	46	2
12BJ1A0517	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2
12BJ1A0518	R32026	MANAGEMENT SCIENCE	25	41	4
12BJ1A0518	R32051	ADVANCED COMPUTER NETWORKS	17	40	4
12BJ1A0518	R32052	COMPUTER ARCHITECTURE	25	40	4
12BJ1A0518	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	49	4
12BJ1A0518	R32054	UNIX PROGRAMMING	22	37	4
12BJ1A0518	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	52	4
12BJ1A0518	R32057	COMPUTER NETWORKS AND UNIX LAB	22	45	2
12BJ1A0518	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
12BJ1A0519	R32026	MANAGEMENT SCIENCE	11	19	0
12BJ1A0519	R32051	ADVANCED COMPUTER NETWORKS	16	20	0
12BJ1A0519	R32052	COMPUTER ARCHITECTURE	15	16	0
12BJ1A0519	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	26	4
12BJ1A0519	R32054	UNIX PROGRAMMING	11	43	4
12BJ1A0519	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	40	4
12BJ1A0519	R32057	COMPUTER NETWORKS AND UNIX LAB	22	47	2
12BJ1A0519	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	46	2
12BJ1A0520	R32026	MANAGEMENT SCIENCE	24	40	4
12BJ1A0520	R32051	ADVANCED COMPUTER NETWORKS	16	32	4
12BJ1A0520	R32052	COMPUTER ARCHITECTURE	16	39	4
12BJ1A0520	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	18	0
12BJ1A0520	R32054	UNIX PROGRAMMING	21	12	0
12BJ1A0520	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	34	4
12BJ1A0520	R32057	COMPUTER NETWORKS AND UNIX LAB	18	41	2
12BJ1A0520	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	19	45	2
12BJ1A0521	R32026	MANAGEMENT SCIENCE	24	54	4
12BJ1A0521	R32051	ADVANCED COMPUTER NETWORKS	20	57	4
12BJ1A0521	R32052	COMPUTER ARCHITECTURE	23	53	4
12BJ1A0521	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	56	4
12BJ1A0521	R32054	UNIX PROGRAMMING	21	39	4
12BJ1A0521	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	63	4
12BJ1A0521	R32057	COMPUTER NETWORKS AND UNIX LAB	19	49	2
12BJ1A0521	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	50	2
12BJ1A0522	R32026	MANAGEMENT SCIENCE	25	39	4
12BJ1A0522	R32051	ADVANCED COMPUTER NETWORKS	19	36	4
12BJ1A0522	R32052	COMPUTER ARCHITECTURE	21	62	4
12BJ1A0522	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	35	4
12BJ1A0522	R32054	UNIX PROGRAMMING	19	19	0
12BJ1A0522	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	55	4
12BJ1A0522	R32057	COMPUTER NETWORKS AND UNIX LAB	21	48	2
12BJ1A0522	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	49	2
12BJ1A0523	R32026	MANAGEMENT SCIENCE	25	30	4
12BJ1A0523	R32051	ADVANCED COMPUTER NETWORKS	19	33	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0523	R32052	COMPUTER ARCHITECTURE	18	36	4
12BJ1A0523	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	35	4
12BJ1A0523	R32054	UNIX PROGRAMMING	20	48	4
12BJ1A0523	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	56	4
12BJ1A0523	R32057	COMPUTER NETWORKS AND UNIX LAB	22	45	2
12BJ1A0523	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	46	2
12BJ1A0524	R32026	MANAGEMENT SCIENCE	22	40	4
12BJ1A0524	R32051	ADVANCED COMPUTER NETWORKS	19	50	4
12BJ1A0524	R32052	COMPUTER ARCHITECTURE	20	44	4
12BJ1A0524	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	42	4
12BJ1A0524	R32054	UNIX PROGRAMMING	22	53	4
12BJ1A0524	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	55	4
12BJ1A0524	R32057	COMPUTER NETWORKS AND UNIX LAB	22	46	2
12BJ1A0524	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	47	2
12BJ1A0525	R32026	MANAGEMENT SCIENCE	24	37	4
12BJ1A0525	R32051	ADVANCED COMPUTER NETWORKS	16	33	4
12BJ1A0525	R32052	COMPUTER ARCHITECTURE	22	31	4
12BJ1A0525	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	56	4
12BJ1A0525	R32054	UNIX PROGRAMMING	19	45	4
12BJ1A0525	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	30	4
12BJ1A0525	R32057	COMPUTER NETWORKS AND UNIX LAB	22	47	2
12BJ1A0525	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
12BJ1A0526	R32026	MANAGEMENT SCIENCE	24	41	4
12BJ1A0526	R32051	ADVANCED COMPUTER NETWORKS	24	36	4
12BJ1A0526	R32052	COMPUTER ARCHITECTURE	24	65	4
12BJ1A0526	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	48	4
12BJ1A0526	R32054	UNIX PROGRAMMING	24	39	4
12BJ1A0526	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	25	52	4
12BJ1A0526	R32057	COMPUTER NETWORKS AND UNIX LAB	21	50	2
12BJ1A0526	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12BJ1A0527	R32026	MANAGEMENT SCIENCE	25	32	4
12BJ1A0527	R32051	ADVANCED COMPUTER NETWORKS	15	29	4
12BJ1A0527	R32052	COMPUTER ARCHITECTURE	23	26	4
12BJ1A0527	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	41	4
12BJ1A0527	R32054	UNIX PROGRAMMING	15	37	4
12BJ1A0527	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	30	4
12BJ1A0527	R32057	COMPUTER NETWORKS AND UNIX LAB	20	47	2
12BJ1A0527	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	45	2
12BJ1A0528	R32026	MANAGEMENT SCIENCE	14	26	4
12BJ1A0528	R32051	ADVANCED COMPUTER NETWORKS	15	18	0
12BJ1A0528	R32052	COMPUTER ARCHITECTURE	15	36	4
12BJ1A0528	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	27	4
12BJ1A0528	R32054	UNIX PROGRAMMING	15	26	4
12BJ1A0528	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	30	4
12BJ1A0528	R32057	COMPUTER NETWORKS AND UNIX LAB	19	43	2
12BJ1A0528	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	43	2
12BJ1A0529	R32026	MANAGEMENT SCIENCE	12	-1	0
12BJ1A0529	R32051	ADVANCED COMPUTER NETWORKS	11	-1	0
12BJ1A0529	R32052	COMPUTER ARCHITECTURE	10	-1	0
12BJ1A0529	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	10	-1	0
12BJ1A0529	R32054	UNIX PROGRAMMING	0	-1	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0529	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	-1	0
12BJ1A0529	R32057	COMPUTER NETWORKS AND UNIX LAB	19	-1	0
12BJ1A0529	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	19	-1	0
12BJ1A0530	R32026	MANAGEMENT SCIENCE	17	16	0
12BJ1A0530	R32051	ADVANCED COMPUTER NETWORKS	12	15	0
12BJ1A0530	R32052	COMPUTER ARCHITECTURE	16	6	0
12BJ1A0530	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	32	4
12BJ1A0530	R32054	UNIX PROGRAMMING	14	2	0
12BJ1A0530	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	28	4
12BJ1A0530	R32057	COMPUTER NETWORKS AND UNIX LAB	23	40	2
12BJ1A0530	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	45	2
12BJ1A0531	R32026	MANAGEMENT SCIENCE	6	17	0
12BJ1A0531	R32051	ADVANCED COMPUTER NETWORKS	17	26	4
12BJ1A0531	R32052	COMPUTER ARCHITECTURE	17	20	0
12BJ1A0531	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	26	4
12BJ1A0531	R32054	UNIX PROGRAMMING	14	20	0
12BJ1A0531	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	27	4
12BJ1A0531	R32057	COMPUTER NETWORKS AND UNIX LAB	22	42	2
12BJ1A0531	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	40	2
12BJ1A0532	R32026	MANAGEMENT SCIENCE	16	36	4
12BJ1A0532	R32051	ADVANCED COMPUTER NETWORKS	15	15	0
12BJ1A0532	R32052	COMPUTER ARCHITECTURE	14	37	4
12BJ1A0532	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	32	4
12BJ1A0532	R32054	UNIX PROGRAMMING	14	6	0
12BJ1A0532	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	32	4
12BJ1A0532	R32057	COMPUTER NETWORKS AND UNIX LAB	21	43	2
12BJ1A0532	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	43	2
12BJ1A0533	R32026	MANAGEMENT SCIENCE	24	48	4
12BJ1A0533	R32051	ADVANCED COMPUTER NETWORKS	22	58	4
12BJ1A0533	R32052	COMPUTER ARCHITECTURE	22	37	4
12BJ1A0533	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	43	4
12BJ1A0533	R32054	UNIX PROGRAMMING	21	33	4
12BJ1A0533	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	42	4
12BJ1A0533	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
12BJ1A0533	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12BJ1A0534	R32026	MANAGEMENT SCIENCE	20	31	4
12BJ1A0534	R32051	ADVANCED COMPUTER NETWORKS	15	26	4
12BJ1A0534	R32052	COMPUTER ARCHITECTURE	19	47	4
12BJ1A0534	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	31	4
12BJ1A0534	R32054	UNIX PROGRAMMING	17	18	0
12BJ1A0534	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	39	4
12BJ1A0534	R32057	COMPUTER NETWORKS AND UNIX LAB	21	43	2
12BJ1A0534	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	46	2
12BJ1A0535	R32026	MANAGEMENT SCIENCE	14	30	4
12BJ1A0535	R32051	ADVANCED COMPUTER NETWORKS	12	7	0
12BJ1A0535	R32052	COMPUTER ARCHITECTURE	19	13	0
12BJ1A0535	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	13	0
12BJ1A0535	R32054	UNIX PROGRAMMING	15	18	0
12BJ1A0535	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	17	0
12BJ1A0535	R32057	COMPUTER NETWORKS AND UNIX LAB	21	44	2
12BJ1A0535	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	45	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0536	R32026	MANAGEMENT SCIENCE	18	36	4
12BJ1A0536	R32051	ADVANCED COMPUTER NETWORKS	16	26	4
12BJ1A0536	R32052	COMPUTER ARCHITECTURE	15	34	4
12BJ1A0536	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	33	4
12BJ1A0536	R32054	UNIX PROGRAMMING	18	28	4
12BJ1A0536	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	34	4
12BJ1A0536	R32057	COMPUTER NETWORKS AND UNIX LAB	22	45	2
12BJ1A0536	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	44	2
12BJ1A0537	R32026	MANAGEMENT SCIENCE	19	30	4
12BJ1A0537	R32051	ADVANCED COMPUTER NETWORKS	14	16	0
12BJ1A0537	R32052	COMPUTER ARCHITECTURE	14	12	0
12BJ1A0537	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	33	4
12BJ1A0537	R32054	UNIX PROGRAMMING	15	32	4
12BJ1A0537	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	16	0
12BJ1A0537	R32057	COMPUTER NETWORKS AND UNIX LAB	20	44	2
12BJ1A0537	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	48	2
12BJ1A0538	R32026	MANAGEMENT SCIENCE	19	29	4
12BJ1A0538	R32051	ADVANCED COMPUTER NETWORKS	18	26	4
12BJ1A0538	R32052	COMPUTER ARCHITECTURE	16	35	4
12BJ1A0538	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	26	4
12BJ1A0538	R32054	UNIX PROGRAMMING	14	15	0
12BJ1A0538	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	29	4
12BJ1A0538	R32057	COMPUTER NETWORKS AND UNIX LAB	22	43	2
12BJ1A0538	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	42	2
12BJ1A0539	R32026	MANAGEMENT SCIENCE	22	30	4
12BJ1A0539	R32051	ADVANCED COMPUTER NETWORKS	20	37	4
12BJ1A0539	R32052	COMPUTER ARCHITECTURE	25	34	4
12BJ1A0539	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	40	4
12BJ1A0539	R32054	UNIX PROGRAMMING	25	46	4
12BJ1A0539	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	25	45	4
12BJ1A0539	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
12BJ1A0539	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12BJ1A0540	R32026	MANAGEMENT SCIENCE	0	-1	0
12BJ1A0540	R32051	ADVANCED COMPUTER NETWORKS	19	4	0
12BJ1A0540	R32052	COMPUTER ARCHITECTURE	14	12	0
12BJ1A0540	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	-1	0
12BJ1A0540	R32054	UNIX PROGRAMMING	17	-1	0
12BJ1A0540	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	-1	0
12BJ1A0540	R32057	COMPUTER NETWORKS AND UNIX LAB	17	40	2
12BJ1A0540	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	19	43	2
12BJ1A0541	R32026	MANAGEMENT SCIENCE	19	34	4
12BJ1A0541	R32051	ADVANCED COMPUTER NETWORKS	19	31	4
12BJ1A0541	R32052	COMPUTER ARCHITECTURE	19	15	0
12BJ1A0541	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	17	0
12BJ1A0541	R32054	UNIX PROGRAMMING	17	16	0
12BJ1A0541	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	30	4
12BJ1A0541	R32057	COMPUTER NETWORKS AND UNIX LAB	23	42	2
12BJ1A0541	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	44	2
12BJ1A0542	R32026	MANAGEMENT SCIENCE	19	33	4
12BJ1A0542	R32051	ADVANCED COMPUTER NETWORKS	15	27	4
12BJ1A0542	R32052	COMPUTER ARCHITECTURE	16	54	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0542	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	32	4
12BJ1A0542	R32054	UNIX PROGRAMMING	17	19	0
12BJ1A0542	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	42	4
12BJ1A0542	R32057	COMPUTER NETWORKS AND UNIX LAB	21	43	2
12BJ1A0542	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	43	2
12BJ1A0543	R32026	MANAGEMENT SCIENCE	16	16	0
12BJ1A0543	R32051	ADVANCED COMPUTER NETWORKS	13	16	0
12BJ1A0543	R32052	COMPUTER ARCHITECTURE	14	10	0
12BJ1A0543	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	14	0
12BJ1A0543	R32054	UNIX PROGRAMMING	14	16	0
12BJ1A0543	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	13	0
12BJ1A0543	R32057	COMPUTER NETWORKS AND UNIX LAB	19	43	2
12BJ1A0543	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	45	2
12BJ1A0544	R32026	MANAGEMENT SCIENCE	22	38	4
12BJ1A0544	R32051	ADVANCED COMPUTER NETWORKS	24	31	4
12BJ1A0544	R32052	COMPUTER ARCHITECTURE	24	38	4
12BJ1A0544	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	38	4
12BJ1A0544	R32054	UNIX PROGRAMMING	21	34	4
12BJ1A0544	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	25	40	4
12BJ1A0544	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
12BJ1A0544	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12BJ1A0545	R32026	MANAGEMENT SCIENCE	17	16	0
12BJ1A0545	R32051	ADVANCED COMPUTER NETWORKS	21	41	4
12BJ1A0545	R32052	COMPUTER ARCHITECTURE	14	32	4
12BJ1A0545	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	17	0
12BJ1A0545	R32054	UNIX PROGRAMMING	19	32	4
12BJ1A0545	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	14	0
12BJ1A0545	R32057	COMPUTER NETWORKS AND UNIX LAB	19	42	2
12BJ1A0545	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	48	2
12BJ1A0546	R32026	MANAGEMENT SCIENCE	20	19	0
12BJ1A0546	R32051	ADVANCED COMPUTER NETWORKS	13	18	0
12BJ1A0546	R32052	COMPUTER ARCHITECTURE	14	37	4
12BJ1A0546	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	26	4
12BJ1A0546	R32054	UNIX PROGRAMMING	18	13	0
12BJ1A0546	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	28	4
12BJ1A0546	R32057	COMPUTER NETWORKS AND UNIX LAB	17	43	2
12BJ1A0546	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	19	44	2
12BJ1A0547	R32026	MANAGEMENT SCIENCE	18	28	4
12BJ1A0547	R32051	ADVANCED COMPUTER NETWORKS	13	12	0
12BJ1A0547	R32052	COMPUTER ARCHITECTURE	15	14	0
12BJ1A0547	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	31	4
12BJ1A0547	R32054	UNIX PROGRAMMING	16	7	0
12BJ1A0547	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	30	4
12BJ1A0547	R32057	COMPUTER NETWORKS AND UNIX LAB	21	44	2
12BJ1A0547	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	45	2
12BJ1A0549	R32026	MANAGEMENT SCIENCE	13	8	0
12BJ1A0549	R32051	ADVANCED COMPUTER NETWORKS	20	31	4
12BJ1A0549	R32052	COMPUTER ARCHITECTURE	21	9	0
12BJ1A0549	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	20	0
12BJ1A0549	R32054	UNIX PROGRAMMING	21	15	0
12BJ1A0549	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	26	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0549	R32057	COMPUTER NETWORKS AND UNIX LAB	23	45	2
12BJ1A0549	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	46	2
12BJ1A0550	R32026	MANAGEMENT SCIENCE	23	41	4
12BJ1A0550	R32051	ADVANCED COMPUTER NETWORKS	21	36	4
12BJ1A0550	R32052	COMPUTER ARCHITECTURE	21	9	0
12BJ1A0550	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	26	4
12BJ1A0550	R32054	UNIX PROGRAMMING	23	37	4
12BJ1A0550	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	17	0
12BJ1A0550	R32057	COMPUTER NETWORKS AND UNIX LAB	22	49	2
12BJ1A0550	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	49	2
12BJ1A0551	R32026	MANAGEMENT SCIENCE	20	34	4
12BJ1A0551	R32051	ADVANCED COMPUTER NETWORKS	22	36	4
12BJ1A0551	R32052	COMPUTER ARCHITECTURE	22	60	4
12BJ1A0551	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	46	4
12BJ1A0551	R32054	UNIX PROGRAMMING	23	26	4
12BJ1A0551	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	38	4
12BJ1A0551	R32057	COMPUTER NETWORKS AND UNIX LAB	24	46	2
12BJ1A0551	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
12BJ1A0552	R32026	MANAGEMENT SCIENCE	18	14	0
12BJ1A0552	R32051	ADVANCED COMPUTER NETWORKS	18	15	0
12BJ1A0552	R32052	COMPUTER ARCHITECTURE	20	26	4
12BJ1A0552	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	26	4
12BJ1A0552	R32054	UNIX PROGRAMMING	22	16	0
12BJ1A0552	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	28	4
12BJ1A0552	R32057	COMPUTER NETWORKS AND UNIX LAB	17	41	2
12BJ1A0552	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	19	45	2
12BJ1A0553	R32026	MANAGEMENT SCIENCE	21	28	4
12BJ1A0553	R32051	ADVANCED COMPUTER NETWORKS	16	27	4
12BJ1A0553	R32052	COMPUTER ARCHITECTURE	21	18	0
12BJ1A0553	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	18	0
12BJ1A0553	R32054	UNIX PROGRAMMING	22	0	0
12BJ1A0553	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	16	0
12BJ1A0553	R32057	COMPUTER NETWORKS AND UNIX LAB	20	40	2
12BJ1A0553	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	42	2
12BJ1A0554	R32026	MANAGEMENT SCIENCE	17	30	4
12BJ1A0554	R32051	ADVANCED COMPUTER NETWORKS	18	35	4
12BJ1A0554	R32052	COMPUTER ARCHITECTURE	21	31	4
12BJ1A0554	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	18	0
12BJ1A0554	R32054	UNIX PROGRAMMING	19	33	4
12BJ1A0554	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	5	0
12BJ1A0554	R32057	COMPUTER NETWORKS AND UNIX LAB	21	42	2
12BJ1A0554	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	43	2
12BJ1A0555	R32026	MANAGEMENT SCIENCE	18	34	4
12BJ1A0555	R32051	ADVANCED COMPUTER NETWORKS	19	26	4
12BJ1A0555	R32052	COMPUTER ARCHITECTURE	22	41	4
12BJ1A0555	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	16	0
12BJ1A0555	R32054	UNIX PROGRAMMING	16	19	0
12BJ1A0555	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	26	4
12BJ1A0555	R32057	COMPUTER NETWORKS AND UNIX LAB	21	40	2
12BJ1A0555	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	45	2
12BJ1A0556	R32026	MANAGEMENT SCIENCE	15	26	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0556	R32051	ADVANCED COMPUTER NETWORKS	12	18	0
12BJ1A0556	R32052	COMPUTER ARCHITECTURE	14	13	0
12BJ1A0556	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	26	4
12BJ1A0556	R32054	UNIX PROGRAMMING	12	28	4
12BJ1A0556	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	33	4
12BJ1A0556	R32057	COMPUTER NETWORKS AND UNIX LAB	19	40	2
12BJ1A0556	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	15	40	2
12BJ1A0557	R32026	MANAGEMENT SCIENCE	21	34	4
12BJ1A0557	R32051	ADVANCED COMPUTER NETWORKS	22	45	4
12BJ1A0557	R32052	COMPUTER ARCHITECTURE	23	40	4
12BJ1A0557	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	38	4
12BJ1A0557	R32054	UNIX PROGRAMMING	22	28	4
12BJ1A0557	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	42	4
12BJ1A0557	R32057	COMPUTER NETWORKS AND UNIX LAB	25	49	2
12BJ1A0557	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12BJ1A0558	R32026	MANAGEMENT SCIENCE	12	30	4
12BJ1A0558	R32051	ADVANCED COMPUTER NETWORKS	14	34	4
12BJ1A0558	R32052	COMPUTER ARCHITECTURE	14	8	0
12BJ1A0558	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	8	0
12BJ1A0558	R32054	UNIX PROGRAMMING	15	0	0
12BJ1A0558	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	0	0
12BJ1A0558	R32057	COMPUTER NETWORKS AND UNIX LAB	23	43	2
12BJ1A0558	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	43	2
12BJ1A0560	R32026	MANAGEMENT SCIENCE	24	31	4
12BJ1A0560	R32051	ADVANCED COMPUTER NETWORKS	13	30	4
12BJ1A0560	R32052	COMPUTER ARCHITECTURE	17	29	4
12BJ1A0560	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	9	0
12BJ1A0560	R32054	UNIX PROGRAMMING	18	14	0
12BJ1A0560	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	6	0
12BJ1A0560	R32057	COMPUTER NETWORKS AND UNIX LAB	21	42	2
12BJ1A0560	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	43	2
12BJ1A0561	R32026	MANAGEMENT SCIENCE	20	30	4
12BJ1A0561	R32051	ADVANCED COMPUTER NETWORKS	17	29	4
12BJ1A0561	R32052	COMPUTER ARCHITECTURE	20	30	4
12BJ1A0561	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	35	4
12BJ1A0561	R32054	UNIX PROGRAMMING	17	37	4
12BJ1A0561	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	50	4
12BJ1A0561	R32057	COMPUTER NETWORKS AND UNIX LAB	23	47	2
12BJ1A0561	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	47	2
12BJ1A0562	R32026	MANAGEMENT SCIENCE	21	32	4
12BJ1A0562	R32051	ADVANCED COMPUTER NETWORKS	20	26	4
12BJ1A0562	R32052	COMPUTER ARCHITECTURE	20	26	4
12BJ1A0562	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	36	4
12BJ1A0562	R32054	UNIX PROGRAMMING	21	30	4
12BJ1A0562	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	55	4
12BJ1A0562	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
12BJ1A0562	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12BJ1A0563	R32026	MANAGEMENT SCIENCE	17	15	0
12BJ1A0563	R32051	ADVANCED COMPUTER NETWORKS	18	28	4
12BJ1A0563	R32052	COMPUTER ARCHITECTURE	18	14	0
12BJ1A0563	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	26	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0563	R32054	UNIX PROGRAMMING	15	30	4
12BJ1A0563	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	10	0
12BJ1A0563	R32057	COMPUTER NETWORKS AND UNIX LAB	20	44	2
12BJ1A0563	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	46	2
12BJ1A0564	R32026	MANAGEMENT SCIENCE	23	40	4
12BJ1A0564	R32051	ADVANCED COMPUTER NETWORKS	25	37	4
12BJ1A0564	R32052	COMPUTER ARCHITECTURE	21	32	4
12BJ1A0564	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	48	4
12BJ1A0564	R32054	UNIX PROGRAMMING	23	36	4
12BJ1A0564	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	53	4
12BJ1A0564	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
12BJ1A0564	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12BJ1A0565	R32026	MANAGEMENT SCIENCE	18	26	4
12BJ1A0565	R32051	ADVANCED COMPUTER NETWORKS	18	27	4
12BJ1A0565	R32052	COMPUTER ARCHITECTURE	14	18	0
12BJ1A0565	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	29	4
12BJ1A0565	R32054	UNIX PROGRAMMING	15	26	4
12BJ1A0565	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	41	4
12BJ1A0565	R32057	COMPUTER NETWORKS AND UNIX LAB	21	44	2
12BJ1A0565	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	47	2
12BJ1A0566	R32026	MANAGEMENT SCIENCE	20	40	4
12BJ1A0566	R32051	ADVANCED COMPUTER NETWORKS	18	39	4
12BJ1A0566	R32052	COMPUTER ARCHITECTURE	20	42	4
12BJ1A0566	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	38	4
12BJ1A0566	R32054	UNIX PROGRAMMING	18	32	4
12BJ1A0566	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	44	4
12BJ1A0566	R32057	COMPUTER NETWORKS AND UNIX LAB	20	47	2
12BJ1A0566	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
12BJ1A0567	R32026	MANAGEMENT SCIENCE	25	69	4
12BJ1A0567	R32051	ADVANCED COMPUTER NETWORKS	25	65	4
12BJ1A0567	R32052	COMPUTER ARCHITECTURE	25	38	4
12BJ1A0567	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	44	4
12BJ1A0567	R32054	UNIX PROGRAMMING	21	55	4
12BJ1A0567	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	25	53	4
12BJ1A0567	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
12BJ1A0567	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12BJ1A0568	R32026	MANAGEMENT SCIENCE	20	34	4
12BJ1A0568	R32051	ADVANCED COMPUTER NETWORKS	21	35	4
12BJ1A0568	R32052	COMPUTER ARCHITECTURE	19	33	4
12BJ1A0568	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	35	4
12BJ1A0568	R32054	UNIX PROGRAMMING	18	26	4
12BJ1A0568	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	29	4
12BJ1A0568	R32057	COMPUTER NETWORKS AND UNIX LAB	22	46	2
12BJ1A0568	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	46	2
12BJ1A0569	R32026	MANAGEMENT SCIENCE	22	29	4
12BJ1A0569	R32051	ADVANCED COMPUTER NETWORKS	24	45	4
12BJ1A0569	R32052	COMPUTER ARCHITECTURE	22	40	4
12BJ1A0569	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	47	4
12BJ1A0569	R32054	UNIX PROGRAMMING	23	42	4
12BJ1A0569	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	56	4
12BJ1A0569	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0569	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12BJ1A0570	R32026	MANAGEMENT SCIENCE	17	34	4
12BJ1A0570	R32051	ADVANCED COMPUTER NETWORKS	19	35	4
12BJ1A0570	R32052	COMPUTER ARCHITECTURE	19	38	4
12BJ1A0570	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	36	4
12BJ1A0570	R32054	UNIX PROGRAMMING	19	28	4
12BJ1A0570	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	34	4
12BJ1A0570	R32057	COMPUTER NETWORKS AND UNIX LAB	21	44	2
12BJ1A0570	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	47	2
12BJ1A0571	R32026	MANAGEMENT SCIENCE	22	32	4
12BJ1A0571	R32051	ADVANCED COMPUTER NETWORKS	24	47	4
12BJ1A0571	R32052	COMPUTER ARCHITECTURE	24	31	4
12BJ1A0571	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	44	4
12BJ1A0571	R32054	UNIX PROGRAMMING	23	34	4
12BJ1A0571	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	45	4
12BJ1A0571	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
12BJ1A0571	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12BJ1A0573	R32026	MANAGEMENT SCIENCE	19	34	4
12BJ1A0573	R32051	ADVANCED COMPUTER NETWORKS	18	34	4
12BJ1A0573	R32052	COMPUTER ARCHITECTURE	21	30	4
12BJ1A0573	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	48	4
12BJ1A0573	R32054	UNIX PROGRAMMING	20	26	4
12BJ1A0573	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	37	4
12BJ1A0573	R32057	COMPUTER NETWORKS AND UNIX LAB	22	44	2
12BJ1A0573	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	47	2
12BJ1A0574	R32026	MANAGEMENT SCIENCE	19	34	4
12BJ1A0574	R32051	ADVANCED COMPUTER NETWORKS	21	32	4
12BJ1A0574	R32052	COMPUTER ARCHITECTURE	20	39	4
12BJ1A0574	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	40	4
12BJ1A0574	R32054	UNIX PROGRAMMING	20	31	4
12BJ1A0574	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	51	4
12BJ1A0574	R32057	COMPUTER NETWORKS AND UNIX LAB	23	48	2
12BJ1A0574	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	46	2
12BJ1A0575	R32026	MANAGEMENT SCIENCE	24	38	4
12BJ1A0575	R32051	ADVANCED COMPUTER NETWORKS	20	37	4
12BJ1A0575	R32052	COMPUTER ARCHITECTURE	18	31	4
12BJ1A0575	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	28	4
12BJ1A0575	R32054	UNIX PROGRAMMING	16	26	4
12BJ1A0575	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	30	4
12BJ1A0575	R32057	COMPUTER NETWORKS AND UNIX LAB	21	45	2
12BJ1A0575	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	47	2
12BJ1A0576	R32026	MANAGEMENT SCIENCE	24	43	4
12BJ1A0576	R32051	ADVANCED COMPUTER NETWORKS	19	40	4
12BJ1A0576	R32052	COMPUTER ARCHITECTURE	22	32	4
12BJ1A0576	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	26	4
12BJ1A0576	R32054	UNIX PROGRAMMING	19	33	4
12BJ1A0576	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	30	4
12BJ1A0576	R32057	COMPUTER NETWORKS AND UNIX LAB	23	49	2
12BJ1A0576	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12BJ1A0577	R32026	MANAGEMENT SCIENCE	20	30	4
12BJ1A0577	R32051	ADVANCED COMPUTER NETWORKS	20	33	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0577	R32052	COMPUTER ARCHITECTURE	20	50	4
12BJ1A0577	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	26	4
12BJ1A0577	R32054	UNIX PROGRAMMING	22	14	0
12BJ1A0577	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	37	4
12BJ1A0577	R32057	COMPUTER NETWORKS AND UNIX LAB	21	45	2
12BJ1A0577	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	48	2
12BJ1A0578	R32026	MANAGEMENT SCIENCE	23	35	4
12BJ1A0578	R32051	ADVANCED COMPUTER NETWORKS	15	30	4
12BJ1A0578	R32052	COMPUTER ARCHITECTURE	21	35	4
12BJ1A0578	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	34	4
12BJ1A0578	R32054	UNIX PROGRAMMING	19	35	4
12BJ1A0578	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	51	4
12BJ1A0578	R32057	COMPUTER NETWORKS AND UNIX LAB	21	42	2
12BJ1A0578	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	19	42	2
12BJ1A0579	R32026	MANAGEMENT SCIENCE	18	32	4
12BJ1A0579	R32051	ADVANCED COMPUTER NETWORKS	17	34	4
12BJ1A0579	R32052	COMPUTER ARCHITECTURE	18	33	4
12BJ1A0579	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	29	4
12BJ1A0579	R32054	UNIX PROGRAMMING	15	17	0
12BJ1A0579	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	13	0
12BJ1A0579	R32057	COMPUTER NETWORKS AND UNIX LAB	21	46	2
12BJ1A0579	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	47	2
12BJ1A0580	R32026	MANAGEMENT SCIENCE	20	45	4
12BJ1A0580	R32051	ADVANCED COMPUTER NETWORKS	20	31	4
12BJ1A0580	R32052	COMPUTER ARCHITECTURE	18	29	4
12BJ1A0580	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	42	4
12BJ1A0580	R32054	UNIX PROGRAMMING	17	14	0
12BJ1A0580	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	14	0
12BJ1A0580	R32057	COMPUTER NETWORKS AND UNIX LAB	21	43	2
12BJ1A0580	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	45	2
12BJ1A0581	R32026	MANAGEMENT SCIENCE	21	39	4
12BJ1A0581	R32051	ADVANCED COMPUTER NETWORKS	23	44	4
12BJ1A0581	R32052	COMPUTER ARCHITECTURE	23	64	4
12BJ1A0581	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	49	4
12BJ1A0581	R32054	UNIX PROGRAMMING	22	1	0
12BJ1A0581	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	63	4
12BJ1A0581	R32057	COMPUTER NETWORKS AND UNIX LAB	22	47	2
12BJ1A0581	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12BJ1A0582	R32026	MANAGEMENT SCIENCE	19	30	4
12BJ1A0582	R32051	ADVANCED COMPUTER NETWORKS	19	29	4
12BJ1A0582	R32052	COMPUTER ARCHITECTURE	18	27	4
12BJ1A0582	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	27	4
12BJ1A0582	R32054	UNIX PROGRAMMING	21	33	4
12BJ1A0582	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	40	4
12BJ1A0582	R32057	COMPUTER NETWORKS AND UNIX LAB	22	48	2
12BJ1A0582	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12BJ1A0583	R32026	MANAGEMENT SCIENCE	22	34	4
12BJ1A0583	R32051	ADVANCED COMPUTER NETWORKS	16	19	0
12BJ1A0583	R32052	COMPUTER ARCHITECTURE	14	31	4
12BJ1A0583	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	27	4
12BJ1A0583	R32054	UNIX PROGRAMMING	18	26	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0583	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	30	4
12BJ1A0583	R32057	COMPUTER NETWORKS AND UNIX LAB	20	42	2
12BJ1A0583	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	46	2
12BJ1A0584	R32026	MANAGEMENT SCIENCE	16	32	4
12BJ1A0584	R32051	ADVANCED COMPUTER NETWORKS	19	30	4
12BJ1A0584	R32052	COMPUTER ARCHITECTURE	14	29	4
12BJ1A0584	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	17	0
12BJ1A0584	R32054	UNIX PROGRAMMING	15	15	0
12BJ1A0584	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	15	0
12BJ1A0584	R32057	COMPUTER NETWORKS AND UNIX LAB	21	47	2
12BJ1A0584	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	47	2
12BJ1A0585	R32026	MANAGEMENT SCIENCE	20	33	4
12BJ1A0585	R32051	ADVANCED COMPUTER NETWORKS	18	30	4
12BJ1A0585	R32052	COMPUTER ARCHITECTURE	20	60	4
12BJ1A0585	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	26	4
12BJ1A0585	R32054	UNIX PROGRAMMING	18	15	0
12BJ1A0585	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	47	4
12BJ1A0585	R32057	COMPUTER NETWORKS AND UNIX LAB	21	44	2
12BJ1A0585	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	45	2
12BJ1A0586	R32026	MANAGEMENT SCIENCE	19	16	0
12BJ1A0586	R32051	ADVANCED COMPUTER NETWORKS	23	31	4
12BJ1A0586	R32052	COMPUTER ARCHITECTURE	19	18	0
12BJ1A0586	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	35	4
12BJ1A0586	R32054	UNIX PROGRAMMING	19	33	4
12BJ1A0586	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	43	4
12BJ1A0586	R32057	COMPUTER NETWORKS AND UNIX LAB	25	49	2
12BJ1A0586	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12BJ1A0587	R32026	MANAGEMENT SCIENCE	21	35	4
12BJ1A0587	R32051	ADVANCED COMPUTER NETWORKS	20	40	4
12BJ1A0587	R32052	COMPUTER ARCHITECTURE	21	34	4
12BJ1A0587	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	36	4
12BJ1A0587	R32054	UNIX PROGRAMMING	24	11	0
12BJ1A0587	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	40	4
12BJ1A0587	R32057	COMPUTER NETWORKS AND UNIX LAB	25	48	2
12BJ1A0587	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
12BJ1A0588	R32026	MANAGEMENT SCIENCE	19	30	4
12BJ1A0588	R32051	ADVANCED COMPUTER NETWORKS	20	44	4
12BJ1A0588	R32052	COMPUTER ARCHITECTURE	19	29	4
12BJ1A0588	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	34	4
12BJ1A0588	R32054	UNIX PROGRAMMING	19	15	0
12BJ1A0588	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	31	4
12BJ1A0588	R32057	COMPUTER NETWORKS AND UNIX LAB	20	44	2
12BJ1A0588	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	48	2
12BJ1A0589	R32026	MANAGEMENT SCIENCE	20	33	4
12BJ1A0589	R32051	ADVANCED COMPUTER NETWORKS	19	35	4
12BJ1A0589	R32052	COMPUTER ARCHITECTURE	18	51	4
12BJ1A0589	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	32	4
12BJ1A0589	R32054	UNIX PROGRAMMING	19	15	0
12BJ1A0589	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	35	4
12BJ1A0589	R32057	COMPUTER NETWORKS AND UNIX LAB	20	47	2
12BJ1A0589	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	47	2

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0590	R32026	MANAGEMENT SCIENCE	22	18	0
12BJ1A0590	R32051	ADVANCED COMPUTER NETWORKS	21	26	4
12BJ1A0590	R32052	COMPUTER ARCHITECTURE	24	26	4
12BJ1A0590	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	32	4
12BJ1A0590	R32054	UNIX PROGRAMMING	21	28	4
12BJ1A0590	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	40	4
12BJ1A0590	R32057	COMPUTER NETWORKS AND UNIX LAB	24	50	2
12BJ1A0590	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12BJ1A0591	R32026	MANAGEMENT SCIENCE	15	28	4
12BJ1A0591	R32051	ADVANCED COMPUTER NETWORKS	14	8	0
12BJ1A0591	R32052	COMPUTER ARCHITECTURE	14	14	0
12BJ1A0591	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	28	4
12BJ1A0591	R32054	UNIX PROGRAMMING	14	6	0
12BJ1A0591	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	8	0
12BJ1A0591	R32057	COMPUTER NETWORKS AND UNIX LAB	15	40	2
12BJ1A0591	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	35	2
12BJ1A0592	R32026	MANAGEMENT SCIENCE	25	35	4
12BJ1A0592	R32051	ADVANCED COMPUTER NETWORKS	22	48	4
12BJ1A0592	R32052	COMPUTER ARCHITECTURE	23	43	4
12BJ1A0592	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	28	4
12BJ1A0592	R32054	UNIX PROGRAMMING	21	40	4
12BJ1A0592	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	42	4
12BJ1A0592	R32057	COMPUTER NETWORKS AND UNIX LAB	20	50	2
12BJ1A0592	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	50	2
12BJ1A0594	R32026	MANAGEMENT SCIENCE	17	32	4
12BJ1A0594	R32051	ADVANCED COMPUTER NETWORKS	15	27	4
12BJ1A0594	R32052	COMPUTER ARCHITECTURE	17	44	4
12BJ1A0594	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	7	0
12BJ1A0594	R32054	UNIX PROGRAMMING	15	0	0
12BJ1A0594	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	15	0
12BJ1A0594	R32057	COMPUTER NETWORKS AND UNIX LAB	19	40	2
12BJ1A0594	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	36	2
12BJ1A0596	R32026	MANAGEMENT SCIENCE	15	19	0
12BJ1A0596	R32051	ADVANCED COMPUTER NETWORKS	14	26	4
12BJ1A0596	R32052	COMPUTER ARCHITECTURE	16	20	0
12BJ1A0596	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	26	4
12BJ1A0596	R32054	UNIX PROGRAMMING	18	20	0
12BJ1A0596	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	27	4
12BJ1A0596	R32057	COMPUTER NETWORKS AND UNIX LAB	19	41	2
12BJ1A0596	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	41	2
12BJ1A0597	R32026	MANAGEMENT SCIENCE	23	32	4
12BJ1A0597	R32051	ADVANCED COMPUTER NETWORKS	18	35	4
12BJ1A0597	R32052	COMPUTER ARCHITECTURE	24	36	4
12BJ1A0597	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	30	4
12BJ1A0597	R32054	UNIX PROGRAMMING	21	30	4
12BJ1A0597	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	26	4
12BJ1A0597	R32057	COMPUTER NETWORKS AND UNIX LAB	18	43	2
12BJ1A0597	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	42	2
12BJ1A0598	R32026	MANAGEMENT SCIENCE	21	14	0
12BJ1A0598	R32051	ADVANCED COMPUTER NETWORKS	14	18	0
12BJ1A0598	R32052	COMPUTER ARCHITECTURE	17	13	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0598	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	0	0
12BJ1A0598	R32054	UNIX PROGRAMMING	15	1	0
12BJ1A0598	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	3	0
12BJ1A0598	R32057	COMPUTER NETWORKS AND UNIX LAB	15	41	2
12BJ1A0598	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	40	2
12BJ1A0599	R32026	MANAGEMENT SCIENCE	19	29	4
12BJ1A0599	R32051	ADVANCED COMPUTER NETWORKS	14	36	4
12BJ1A0599	R32052	COMPUTER ARCHITECTURE	17	53	4
12BJ1A0599	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	26	4
12BJ1A0599	R32054	UNIX PROGRAMMING	14	2	0
12BJ1A0599	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	34	4
12BJ1A0599	R32057	COMPUTER NETWORKS AND UNIX LAB	18	40	2
12BJ1A0599	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	42	2
12BJ1A05A0	R32026	MANAGEMENT SCIENCE	24	30	4
12BJ1A05A0	R32051	ADVANCED COMPUTER NETWORKS	20	30	4
12BJ1A05A0	R32052	COMPUTER ARCHITECTURE	20	32	4
12BJ1A05A0	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	7	0
12BJ1A05A0	R32054	UNIX PROGRAMMING	20	27	4
12BJ1A05A0	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	29	4
12BJ1A05A0	R32057	COMPUTER NETWORKS AND UNIX LAB	19	41	2
12BJ1A05A0	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	36	2
12BJ1A05A1	R32026	MANAGEMENT SCIENCE	24	38	4
12BJ1A05A1	R32051	ADVANCED COMPUTER NETWORKS	22	14	0
12BJ1A05A1	R32052	COMPUTER ARCHITECTURE	22	32	4
12BJ1A05A1	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	9	0
12BJ1A05A1	R32054	UNIX PROGRAMMING	21	28	4
12BJ1A05A1	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	53	4
12BJ1A05A1	R32057	COMPUTER NETWORKS AND UNIX LAB	19	42	2
12BJ1A05A1	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
12BJ1A05A3	R32026	MANAGEMENT SCIENCE	22	44	4
12BJ1A05A3	R32051	ADVANCED COMPUTER NETWORKS	17	36	4
12BJ1A05A3	R32052	COMPUTER ARCHITECTURE	15	32	4
12BJ1A05A3	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	33	4
12BJ1A05A3	R32054	UNIX PROGRAMMING	17	55	4
12BJ1A05A3	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	46	4
12BJ1A05A3	R32057	COMPUTER NETWORKS AND UNIX LAB	15	35	2
12BJ1A05A3	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	18	36	2
12BJ1A05A4	R32026	MANAGEMENT SCIENCE	23	36	4
12BJ1A05A4	R32051	ADVANCED COMPUTER NETWORKS	17	26	4
12BJ1A05A4	R32052	COMPUTER ARCHITECTURE	17	8	0
12BJ1A05A4	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	9	0
12BJ1A05A4	R32054	UNIX PROGRAMMING	15	14	0
12BJ1A05A4	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	26	4
12BJ1A05A4	R32057	COMPUTER NETWORKS AND UNIX LAB	15	41	2
12BJ1A05A4	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	40	2
12BJ1A05A5	R32026	MANAGEMENT SCIENCE	23	31	4
12BJ1A05A5	R32051	ADVANCED COMPUTER NETWORKS	16	14	0
12BJ1A05A5	R32052	COMPUTER ARCHITECTURE	18	29	4
12BJ1A05A5	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	8	0
12BJ1A05A5	R32054	UNIX PROGRAMMING	17	12	0
12BJ1A05A5	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	13	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A05A5	R32057	COMPUTER NETWORKS AND UNIX LAB	15	42	2
12BJ1A05A5	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	41	2
12BJ1A05A6	R32026	MANAGEMENT SCIENCE	14	31	4
12BJ1A05A6	R32051	ADVANCED COMPUTER NETWORKS	14	7	0
12BJ1A05A6	R32052	COMPUTER ARCHITECTURE	16	26	4
12BJ1A05A6	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	7	0
12BJ1A05A6	R32054	UNIX PROGRAMMING	16	5	0
12BJ1A05A6	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	3	0
12BJ1A05A6	R32057	COMPUTER NETWORKS AND UNIX LAB	15	35	2
12BJ1A05A6	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	18	36	2
12BJ1A05A7	R32026	MANAGEMENT SCIENCE	21	31	4
12BJ1A05A7	R32051	ADVANCED COMPUTER NETWORKS	18	42	4
12BJ1A05A7	R32052	COMPUTER ARCHITECTURE	18	31	4
12BJ1A05A7	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	28	4
12BJ1A05A7	R32054	UNIX PROGRAMMING	16	37	4
12BJ1A05A7	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	38	4
12BJ1A05A7	R32057	COMPUTER NETWORKS AND UNIX LAB	21	45	2
12BJ1A05A7	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	40	2
12BJ1A05A8	R32026	MANAGEMENT SCIENCE	23	36	4
12BJ1A05A8	R32051	ADVANCED COMPUTER NETWORKS	17	29	4
12BJ1A05A8	R32052	COMPUTER ARCHITECTURE	22	16	0
12BJ1A05A8	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	13	0
12BJ1A05A8	R32054	UNIX PROGRAMMING	16	13	0
12BJ1A05A8	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	19	0
12BJ1A05A8	R32057	COMPUTER NETWORKS AND UNIX LAB	18	41	2
12BJ1A05A8	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	40	2
12BJ1A05A9	R32026	MANAGEMENT SCIENCE	23	29	4
12BJ1A05A9	R32051	ADVANCED COMPUTER NETWORKS	20	28	4
12BJ1A05A9	R32052	COMPUTER ARCHITECTURE	18	18	0
12BJ1A05A9	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	16	0
12BJ1A05A9	R32054	UNIX PROGRAMMING	22	27	4
12BJ1A05A9	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	26	4
12BJ1A05A9	R32057	COMPUTER NETWORKS AND UNIX LAB	15	40	2
12BJ1A05A9	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	40	2
12BJ1A05B0	R32026	MANAGEMENT SCIENCE	19	35	4
12BJ1A05B0	R32051	ADVANCED COMPUTER NETWORKS	18	-1	0
12BJ1A05B0	R32052	COMPUTER ARCHITECTURE	17	36	4
12BJ1A05B0	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	15	0
12BJ1A05B0	R32054	UNIX PROGRAMMING	14	8	0
12BJ1A05B0	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	26	4
12BJ1A05B0	R32057	COMPUTER NETWORKS AND UNIX LAB	15	-1	0
12BJ1A05B0	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	15	35	2
12BJ1A05B1	R32026	MANAGEMENT SCIENCE	24	28	4
12BJ1A05B1	R32051	ADVANCED COMPUTER NETWORKS	19	42	4
12BJ1A05B1	R32052	COMPUTER ARCHITECTURE	24	26	4
12BJ1A05B1	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	7	0
12BJ1A05B1	R32054	UNIX PROGRAMMING	21	36	4
12BJ1A05B1	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	29	4
12BJ1A05B1	R32057	COMPUTER NETWORKS AND UNIX LAB	19	42	2
12BJ1A05B1	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	41	2
12BJ1A05B2	R32026	MANAGEMENT SCIENCE	17	50	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A05B2	R32051	ADVANCED COMPUTER NETWORKS	15	28	4
12BJ1A05B2	R32052	COMPUTER ARCHITECTURE	15	28	4
12BJ1A05B2	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	13	0
12BJ1A05B2	R32054	UNIX PROGRAMMING	17	9	0
12BJ1A05B2	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	32	4
12BJ1A05B2	R32057	COMPUTER NETWORKS AND UNIX LAB	19	41	2
12BJ1A05B2	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	37	2
12BJ5A0205	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	18	0
12BJ5A0206	R32022	POWER SYSTEM ANALYSIS	19	31	4
12BJ5A0206	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	16	0
12BJ5A0208	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	-1	0
12BJ5A0208	R32025	POWER SEMICONDUCTOR DRIVES	15	12	0
12BJ5A0210	R32021	ELECTRICAL MACHINE DESIGN	20	35	4
12BJ5A0210	R32022	POWER SYSTEM ANALYSIS	18	26	4
12BJ5A0212	R32021	ELECTRICAL MACHINE DESIGN	23	26	4
12BJ5A0212	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	30	4
12BJ5A0212	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	35	4
12BJ5A0212	R32025	POWER SEMICONDUCTOR DRIVES	21	27	4
12BJ5A0215	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	36	4
12BJ5A0215	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	27	4
12BJ5A0216	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	0	0
12BJ5A0216	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	18	0
12BJ5A0216	R32025	POWER SEMICONDUCTOR DRIVES	19	14	0
12BJ5A0216	R32026	MANAGEMENT SCIENCE	16	-1	0
12BJ5A0220	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	28	4
12BJ5A0220	R32025	POWER SEMICONDUCTOR DRIVES	18	8	0
12BJ5A0223	R32021	ELECTRICAL MACHINE DESIGN	2	-1	0
12BJ5A0223	R32022	POWER SYSTEM ANALYSIS	0	-1	0
12BJ5A0223	R32023	UTILIZATION OF ELECTRICAL ENERGY	0	-1	0
12BJ5A0223	R32024	MICROPROCESSORS AND MICROCONTROLLER	0	-1	0
12BJ5A0223	R32025	POWER SEMICONDUCTOR DRIVES	0	-1	0
12BJ5A0223	R32026	MANAGEMENT SCIENCE	0	-1	0
12BJ5A0223	R32027	POWER ELECTRONICS LAB	0	-1	0
12BJ5A0223	R32028	ELECTRICAL MEASUREMENTS LAB	0	-1	0
12BJ5A0224	R32022	POWER SYSTEM ANALYSIS	15	31	4
12BJ5A0224	R32025	POWER SEMICONDUCTOR DRIVES	15	27	4
12BJ5A0226	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	29	4
12BJ5A0227	R32025	POWER SEMICONDUCTOR DRIVES	19	39	4
12BJ5A0303	R32032	ROBOTICS	18	17	0
12BJ5A0303	R32033	HEAT TRANSFER	20	28	4
12BJ5A0303	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	8	0
12BJ5A0402	R32042	MICROWAVE ENGINEERING	19	28	4
12BJ5A0403	R32026	MANAGEMENT SCIENCE	12	31	4
12BJ5A0403	R32041	COMPUTER NETWORKS	22	38	4
12BJ5A0403	R32042	MICROWAVE ENGINEERING	20	41	4
12BJ5A0403	R32043	DIGITAL SIGNAL PROCESSING	22	26	4
12BJ5A0403	R32044	MICROPROCESSORS AND MICROCONTROLLERS	20	47	4
12BJ5A0403	R32045	VLSI DESIGN	21	27	4
12BJ5A0405	R32043	DIGITAL SIGNAL PROCESSING	17	-1	0
12BJ5A0406	R32041	COMPUTER NETWORKS	22	33	4
12BJ5A0406	R32042	MICROWAVE ENGINEERING	24	30	4

Htno	Subcode	Subname	Internal	External	credits
12BJ5A0406	R32043	DIGITAL SIGNAL PROCESSING	20	33	4
13BJ5A0201	R32021	ELECTRICAL MACHINE DESIGN	25	50	4
13BJ5A0201	R32022	POWER SYSTEM ANALYSIS	24	39	4
13BJ5A0201	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	52	4
13BJ5A0201	R32024	MICROPROCESSORS AND MICROCONTROLLER	24	41	4
13BJ5A0201	R32025	POWER SEMICONDUCTOR DRIVES	23	53	4
13BJ5A0201	R32026	MANAGEMENT SCIENCE	21	55	4
13BJ5A0201	R32027	POWER ELECTRONICS LAB	25	50	2
13BJ5A0201	R32028	ELECTRICAL MEASUREMENTS LAB	25	49	2
13BJ5A0202	R32021	ELECTRICAL MACHINE DESIGN	11	51	4
13BJ5A0202	R32022	POWER SYSTEM ANALYSIS	6	8	0
13BJ5A0202	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	16	0
13BJ5A0202	R32024	MICROPROCESSORS AND MICROCONTROLLER	15	8	0
13BJ5A0202	R32025	POWER SEMICONDUCTOR DRIVES	20	26	4
13BJ5A0202	R32026	MANAGEMENT SCIENCE	18	30	4
13BJ5A0202	R32027	POWER ELECTRONICS LAB	22	38	2
13BJ5A0202	R32028	ELECTRICAL MEASUREMENTS LAB	23	37	2
13BJ5A0203	R32021	ELECTRICAL MACHINE DESIGN	20	1	0
13BJ5A0203	R32022	POWER SYSTEM ANALYSIS	23	8	0
13BJ5A0203	R32023	UTILIZATION OF ELECTRICAL ENERGY	3	7	0
13BJ5A0203	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	0	0
13BJ5A0203	R32025	POWER SEMICONDUCTOR DRIVES	14	-1	0
13BJ5A0203	R32026	MANAGEMENT SCIENCE	22	-1	0
13BJ5A0203	R32027	POWER ELECTRONICS LAB	20	-1	0
13BJ5A0203	R32028	ELECTRICAL MEASUREMENTS LAB	20	-1	0
13BJ5A0204	R32021	ELECTRICAL MACHINE DESIGN	22	42	4
13BJ5A0204	R32022	POWER SYSTEM ANALYSIS	25	43	4
13BJ5A0204	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	46	4
13BJ5A0204	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	34	4
13BJ5A0204	R32025	POWER SEMICONDUCTOR DRIVES	21	28	4
13BJ5A0204	R32026	MANAGEMENT SCIENCE	22	53	4
13BJ5A0204	R32027	POWER ELECTRONICS LAB	21	40	2
13BJ5A0204	R32028	ELECTRICAL MEASUREMENTS LAB	22	37	2
13BJ5A0205	R32021	ELECTRICAL MACHINE DESIGN	22	43	4
13BJ5A0205	R32022	POWER SYSTEM ANALYSIS	25	26	4
13BJ5A0205	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	46	4
13BJ5A0205	R32024	MICROPROCESSORS AND MICROCONTROLLER	15	1	0
13BJ5A0205	R32025	POWER SEMICONDUCTOR DRIVES	19	26	4
13BJ5A0205	R32026	MANAGEMENT SCIENCE	20	38	4
13BJ5A0205	R32027	POWER ELECTRONICS LAB	22	42	2
13BJ5A0205	R32028	ELECTRICAL MEASUREMENTS LAB	24	48	2
13BJ5A0206	R32021	ELECTRICAL MACHINE DESIGN	20	31	4
13BJ5A0206	R32022	POWER SYSTEM ANALYSIS	18	3	0
13BJ5A0206	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	14	0
13BJ5A0206	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	6	0
13BJ5A0206	R32025	POWER SEMICONDUCTOR DRIVES	18	5	0
13BJ5A0206	R32026	MANAGEMENT SCIENCE	18	26	4
13BJ5A0206	R32027	POWER ELECTRONICS LAB	20	40	2
13BJ5A0206	R32028	ELECTRICAL MEASUREMENTS LAB	21	36	2
13BJ5A0207	R32021	ELECTRICAL MACHINE DESIGN	22	44	4
13BJ5A0207	R32022	POWER SYSTEM ANALYSIS	20	26	4

Htno	Subcode	Subname	Internal	External	credits
13BJ5A0207	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	41	4
13BJ5A0207	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	18	0
13BJ5A0207	R32025	POWER SEMICONDUCTOR DRIVES	21	0	0
13BJ5A0207	R32026	MANAGEMENT SCIENCE	13	32	4
13BJ5A0207	R32027	POWER ELECTRONICS LAB	20	37	2
13BJ5A0207	R32028	ELECTRICAL MEASUREMENTS LAB	21	36	2
13BJ5A0208	R32021	ELECTRICAL MACHINE DESIGN	20	32	4
13BJ5A0208	R32022	POWER SYSTEM ANALYSIS	22	26	4
13BJ5A0208	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	6	0
13BJ5A0208	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	26	4
13BJ5A0208	R32025	POWER SEMICONDUCTOR DRIVES	17	6	0
13BJ5A0208	R32026	MANAGEMENT SCIENCE	17	8	0
13BJ5A0208	R32027	POWER ELECTRONICS LAB	20	37	2
13BJ5A0208	R32028	ELECTRICAL MEASUREMENTS LAB	20	36	2
13BJ5A0209	R32021	ELECTRICAL MACHINE DESIGN	12	11	0
13BJ5A0209	R32022	POWER SYSTEM ANALYSIS	22	31	4
13BJ5A0209	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	48	4
13BJ5A0209	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	28	4
13BJ5A0209	R32025	POWER SEMICONDUCTOR DRIVES	18	26	4
13BJ5A0209	R32026	MANAGEMENT SCIENCE	17	47	4
13BJ5A0209	R32027	POWER ELECTRONICS LAB	20	39	2
13BJ5A0209	R32028	ELECTRICAL MEASUREMENTS LAB	20	36	2
13BJ5A0301	R32031	METROLOGY	15	12	0
13BJ5A0301	R32032	ROBOTICS	19	45	4
13BJ5A0301	R32033	HEAT TRANSFER	9	12	0
13BJ5A0301	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	6	0
13BJ5A0301	R32035	DESIGN OF MACHINE MEMBERS_II	14	5	0
13BJ5A0301	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	15	0
13BJ5A0301	R32037	METROLOGY & INSTRUMENTATION LAB	22	45	2
13BJ5A0301	R32038	HEAT TRANSFER LAB	23	45	2
13BJ5A0302	R32031	METROLOGY	18	26	4
13BJ5A0302	R32032	ROBOTICS	19	32	4
13BJ5A0302	R32033	HEAT TRANSFER	18	12	0
13BJ5A0302	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	13	0
13BJ5A0302	R32035	DESIGN OF MACHINE MEMBERS_II	14	26	4
13BJ5A0302	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	26	4
13BJ5A0302	R32037	METROLOGY & INSTRUMENTATION LAB	20	46	2
13BJ5A0302	R32038	HEAT TRANSFER LAB	24	46	2
13BJ5A0303	R32031	METROLOGY	16	39	4
13BJ5A0303	R32032	ROBOTICS	16	28	4
13BJ5A0303	R32033	HEAT TRANSFER	18	12	0
13BJ5A0303	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	15	0
13BJ5A0303	R32035	DESIGN OF MACHINE MEMBERS_II	14	12	0
13BJ5A0303	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	29	4
13BJ5A0303	R32037	METROLOGY & INSTRUMENTATION LAB	22	47	2
13BJ5A0303	R32038	HEAT TRANSFER LAB	24	46	2
13BJ5A0304	R32031	METROLOGY	15	16	0
13BJ5A0304	R32032	ROBOTICS	14	3	0
13BJ5A0304	R32033	HEAT TRANSFER	14	15	0
13BJ5A0304	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	0	0
13BJ5A0304	R32035	DESIGN OF MACHINE MEMBERS_II	14	14	0

Htno	Subcode	Subname	Internal	External	credits
13BJ5A0304	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	3	0
13BJ5A0304	R32037	METROLOGY & INSTRUMENTATION LAB	20	47	2
13BJ5A0304	R32038	HEAT TRANSFER LAB	23	43	2
13BJ5A0305	R32031	METROLOGY	14	32	4
13BJ5A0305	R32032	ROBOTICS	12	28	4
13BJ5A0305	R32033	HEAT TRANSFER	14	33	4
13BJ5A0305	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	3	0
13BJ5A0305	R32035	DESIGN OF MACHINE MEMBERS_II	15	7	0
13BJ5A0305	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	31	4
13BJ5A0305	R32037	METROLOGY & INSTRUMENTATION LAB	19	45	2
13BJ5A0305	R32038	HEAT TRANSFER LAB	23	43	2
13BJ5A0306	R32031	METROLOGY	19	14	0
13BJ5A0306	R32032	ROBOTICS	16	26	4
13BJ5A0306	R32033	HEAT TRANSFER	17	29	4
13BJ5A0306	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	13	0
13BJ5A0306	R32035	DESIGN OF MACHINE MEMBERS_II	16	-1	0
13BJ5A0306	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	18	0
13BJ5A0306	R32037	METROLOGY & INSTRUMENTATION LAB	18	47	2
13BJ5A0306	R32038	HEAT TRANSFER LAB	22	41	2
13BJ5A0307	R32031	METROLOGY	15	-1	0
13BJ5A0307	R32032	ROBOTICS	14	-1	0
13BJ5A0307	R32033	HEAT TRANSFER	14	-1	0
13BJ5A0307	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	-1	0
13BJ5A0307	R32035	DESIGN OF MACHINE MEMBERS_II	14	-1	0
13BJ5A0307	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	-1	0
13BJ5A0307	R32037	METROLOGY & INSTRUMENTATION LAB	18	-1	0
13BJ5A0307	R32038	HEAT TRANSFER LAB	22	-1	0
13BJ5A0308	R32031	METROLOGY	18	29	4
13BJ5A0308	R32032	ROBOTICS	20	5	0
13BJ5A0308	R32033	HEAT TRANSFER	16	27	4
13BJ5A0308	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	34	4
13BJ5A0308	R32035	DESIGN OF MACHINE MEMBERS_II	18	56	4
13BJ5A0308	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	57	4
13BJ5A0308	R32037	METROLOGY & INSTRUMENTATION LAB	22	47	2
13BJ5A0308	R32038	HEAT TRANSFER LAB	23	43	2
13BJ5A0309	R32031	METROLOGY	16	26	4
13BJ5A0309	R32032	ROBOTICS	17	37	4
13BJ5A0309	R32033	HEAT TRANSFER	14	26	4
13BJ5A0309	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	1	0
13BJ5A0309	R32035	DESIGN OF MACHINE MEMBERS_II	16	39	4
13BJ5A0309	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	42	4
13BJ5A0309	R32037	METROLOGY & INSTRUMENTATION LAB	18	47	2
13BJ5A0309	R32038	HEAT TRANSFER LAB	22	42	2
13BJ5A0401	R32026	MANAGEMENT SCIENCE	23	40	4
13BJ5A0401	R32041	COMPUTER NETWORKS	25	57	4
13BJ5A0401	R32042	MICROWAVE ENGINEERING	25	26	4
13BJ5A0401	R32043	DIGITAL SIGNAL PROCESSING	25	48	4
13BJ5A0401	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	49	4
13BJ5A0401	R32045	VLSI DESIGN	22	36	4
13BJ5A0401	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
13BJ5A0401	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2

Htno	Subcode	Subname	Internal	External	credits
13BJ5A0403	R32026	MANAGEMENT SCIENCE	24	43	4
13BJ5A0403	R32041	COMPUTER NETWORKS	24	54	4
13BJ5A0403	R32042	MICROWAVE ENGINEERING	24	32	4
13BJ5A0403	R32043	DIGITAL SIGNAL PROCESSING	24	32	4
13BJ5A0403	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	50	4
13BJ5A0403	R32045	VLSI DESIGN	22	34	4
13BJ5A0403	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	48	2
13BJ5A0403	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	50	2
13BJ5A0404	R32026	MANAGEMENT SCIENCE	22	16	0
13BJ5A0404	R32041	COMPUTER NETWORKS	22	29	4
13BJ5A0404	R32042	MICROWAVE ENGINEERING	23	27	4
13BJ5A0404	R32043	DIGITAL SIGNAL PROCESSING	22	34	4
13BJ5A0404	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	40	4
13BJ5A0404	R32045	VLSI DESIGN	23	26	4
13BJ5A0404	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
13BJ5A0404	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	46	2
13BJ5A0405	R32026	MANAGEMENT SCIENCE	20	44	4
13BJ5A0405	R32041	COMPUTER NETWORKS	22	17	0
13BJ5A0405	R32042	MICROWAVE ENGINEERING	20	31	4
13BJ5A0405	R32043	DIGITAL SIGNAL PROCESSING	22	33	4
13BJ5A0405	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	26	4
13BJ5A0405	R32045	VLSI DESIGN	20	20	0
13BJ5A0405	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	48	2
13BJ5A0405	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
13BJ5A0406	R32026	MANAGEMENT SCIENCE	21	37	4
13BJ5A0406	R32041	COMPUTER NETWORKS	21	40	4
13BJ5A0406	R32042	MICROWAVE ENGINEERING	17	36	4
13BJ5A0406	R32043	DIGITAL SIGNAL PROCESSING	24	37	4
13BJ5A0406	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	19	0
13BJ5A0406	R32045	VLSI DESIGN	23	26	4
13BJ5A0406	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
13BJ5A0406	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
13BJ5A0407	R32026	MANAGEMENT SCIENCE	17	32	4
13BJ5A0407	R32041	COMPUTER NETWORKS	17	15	0
13BJ5A0407	R32042	MICROWAVE ENGINEERING	20	16	0
13BJ5A0407	R32043	DIGITAL SIGNAL PROCESSING	22	33	4
13BJ5A0407	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	12	0
13BJ5A0407	R32045	VLSI DESIGN	24	14	0
13BJ5A0407	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	44	2
13BJ5A0407	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	44	2
13BJ5A0408	R32026	MANAGEMENT SCIENCE	18	30	4
13BJ5A0408	R32041	COMPUTER NETWORKS	16	26	4
13BJ5A0408	R32042	MICROWAVE ENGINEERING	18	15	0
13BJ5A0408	R32043	DIGITAL SIGNAL PROCESSING	16	15	0
13BJ5A0408	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	18	0
13BJ5A0408	R32045	VLSI DESIGN	16	0	0
13BJ5A0408	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
13BJ5A0408	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	46	2
13BJ5A0409	R32026	MANAGEMENT SCIENCE	17	28	4
13BJ5A0409	R32041	COMPUTER NETWORKS	14	9	0
13BJ5A0409	R32042	MICROWAVE ENGINEERING	16	4	0

Htno	Subcode	Subname	Internal	External	credits
13BJ5A0409	R32043	DIGITAL SIGNAL PROCESSING	18	14	0
13BJ5A0409	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	5	0
13BJ5A0409	R32045	VLSI DESIGN	14	18	0
13BJ5A0409	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
13BJ5A0409	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	46	2
13BJ5A0410	R32026	MANAGEMENT SCIENCE	18	36	4
13BJ5A0410	R32041	COMPUTER NETWORKS	19	50	4
13BJ5A0410	R32042	MICROWAVE ENGINEERING	17	10	0
13BJ5A0410	R32043	DIGITAL SIGNAL PROCESSING	20	16	0
13BJ5A0410	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	9	0
13BJ5A0410	R32045	VLSI DESIGN	18	26	4
13BJ5A0410	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
13BJ5A0410	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
13BJ5A0411	R32026	MANAGEMENT SCIENCE	18	29	4
13BJ5A0411	R32041	COMPUTER NETWORKS	17	32	4
13BJ5A0411	R32042	MICROWAVE ENGINEERING	18	15	0
13BJ5A0411	R32043	DIGITAL SIGNAL PROCESSING	19	31	4
13BJ5A0411	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	17	0
13BJ5A0411	R32045	VLSI DESIGN	20	26	4
13BJ5A0411	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
13BJ5A0411	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	46	2
13BJ5A0501	R32026	MANAGEMENT SCIENCE	19	29	4
13BJ5A0501	R32051	ADVANCED COMPUTER NETWORKS	20	26	4
13BJ5A0501	R32052	COMPUTER ARCHITECTURE	18	26	4
13BJ5A0501	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	34	4
13BJ5A0501	R32054	UNIX PROGRAMMING	21	27	4
13BJ5A0501	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	33	4
13BJ5A0501	R32057	COMPUTER NETWORKS AND UNIX LAB	23	50	2
13BJ5A0501	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	50	2
13BJ5A0502	R32026	MANAGEMENT SCIENCE	24	32	4
13BJ5A0502	R32051	ADVANCED COMPUTER NETWORKS	13	33	4
13BJ5A0502	R32052	COMPUTER ARCHITECTURE	16	32	4
13BJ5A0502	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	14	0
13BJ5A0502	R32054	UNIX PROGRAMMING	13	13	0
13BJ5A0502	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	6	0
13BJ5A0502	R32057	COMPUTER NETWORKS AND UNIX LAB	18	42	2
13BJ5A0502	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	42	2
13BJ5A0503	R32026	MANAGEMENT SCIENCE	22	30	4
13BJ5A0503	R32051	ADVANCED COMPUTER NETWORKS	15	30	4
13BJ5A0503	R32052	COMPUTER ARCHITECTURE	20	29	4
13BJ5A0503	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	9	0
13BJ5A0503	R32054	UNIX PROGRAMMING	15	33	4
13BJ5A0503	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	37	4
13BJ5A0503	R32057	COMPUTER NETWORKS AND UNIX LAB	15	43	2
13BJ5A0503	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	40	2

****Note:- For Recounting/Revaluation/Challenge By Revaluation Apply through College PORTAL by Examination Incharge only on or before 14-08-2015.**

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