



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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

College: VASAVI,TADEPALLIGUDEM:A8

Htno	Subcode	Subname	Internal	External	credits
07A81A1264	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	12	0	0
07A81A1264	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	14	11	0
08A81A0471	V3217	TELECOMMUNICATION SWITCHING SYSTEMS	11	7	0
08A81A0471	V3220	MICROWAVE ENGINEERING	13	-1	0
08A81A0494	V3218	DIGITAL SIGNAL PROCESSING	9	-1	0
08A81A0494	V3220	MICROWAVE ENGINEERING	12	-1	0
08A81A0494	V3221	MICRO PROCESSORS AND INTERFACING	11	-1	0
08A81A04B2	V3218	DIGITAL SIGNAL PROCESSING	16	-1	0
08A81A04B4	V3219	VLSI DESIGN	13	0	0
08A81A04B4	V3221	MICRO PROCESSORS AND INTERFACING	9	-1	0
09A81A0248	V3210	SWITCH GEAR & PROTECTION	8	14	0
09A81A0401	V3220	MICROWAVE ENGINEERING	12	-1	0
09A81A04A6	V3218	DIGITAL SIGNAL PROCESSING	6	-1	0
09A81A04A6	V3220	MICROWAVE ENGINEERING	10	-1	0
09A81A0559	V3223	COMPILER DESIGN	14	-1	0
09A81A0565	R32051	ADVANCED COMPUTER NETWORKS	12	26	0
09A81A0573	V3226	ARTIFICIAL INTELLIGENCE AND NEURAL NETWORKS	7	19	0
09A81A1255	V3241	WEB TECHNOLOGIES	10	-1	0
10A81A0213	R32023	UTILIZATION OF ELECTRICAL ENERGY	13	30	4
10A81A0213	R32024	MICROPROCESSORS AND MICROCONTROLLER	13	0	0
10A81A0213	R32025	POWER SEMICONDUCTOR DRIVES	11	0	0
10A81A0224	R32024	MICROPROCESSORS AND MICROCONTROLLER	11	11	0
10A81A0227	R32022	POWER SYSTEM ANALYSIS	12	1	0
10A81A0227	R32025	POWER SEMICONDUCTOR DRIVES	12	-1	0
10A81A0231	R32021	ELECTRICAL MACHINE DESIGN	14	8	0
10A81A0231	R32024	MICROPROCESSORS AND MICROCONTROLLER	10	13	0
10A81A0231	R32025	POWER SEMICONDUCTOR DRIVES	12	14	0
10A81A0242	R32021	ELECTRICAL MACHINE DESIGN	7	12	0
10A81A0242	R32024	MICROPROCESSORS AND MICROCONTROLLER	12	29	4
10A81A0242	R32025	POWER SEMICONDUCTOR DRIVES	10	10	0
10A81A0405	R32043	DIGITAL SIGNAL PROCESSING	5	26	0
10A81A0470	R32041	COMPUTER NETWORKS	12	-1	0
10A81A0470	R32043	DIGITAL SIGNAL PROCESSING	15	-1	0
10A81A0470	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	12	-1	0
10A81A04B2	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	6	-1	0
10A81A1217	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	13	17	0
10A81A1231	R32054	UNIX PROGRAMMING	15	-1	0
10A81A1258	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	26	4
10A81A1258	R32054	UNIX PROGRAMMING	15	27	4
10A81A1258	R32122	ADVANCED JAVA PROGRAMMING	15	19	0
10A85A0406	V3218	DIGITAL SIGNAL PROCESSING	12	43	4
11551A1269	R32026	MANAGEMENT SCIENCE	22	53	4
11551A1269	R32051	ADVANCED COMPUTER NETWORKS	22	52	4
11551A1269	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	35	4
11551A1269	R32054	UNIX PROGRAMMING	23	32	4
11551A1269	R32122	ADVANCED JAVA PROGRAMMING	22	46	4

Htno	Subcode	Subname	Internal	External	credits
11551A1269	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	18	44	4
11551A1269	R32127	COMPUTER NETWORKS AND UNIX LAB	23	47	2
11551A1269	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	47	2
11A81A0105	R32011	GEOTECHNICAL ENGINEERING - I	14	34	4
11A81A0115	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	17	13	0
11A81A0117	R32011	GEOTECHNICAL ENGINEERING - I	5	4	0
11A81A0117	R32012	WATER AND WASTEWATER ENGINEERING	6	26	0
11A81A0117	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	1	2	0
11A81A0117	R32014	WATER RESOURCES ENGINEERING-II	5	5	0
11A81A0117	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	4	12	0
11A81A0117	R32016	TRANSPORTATION ENGINEERING-II	16	11	0
11A81A0117	R32017	GEOTECHNICAL ENGINEERING LAB	17	38	2
11A81A0117	R32018	TRANSPORTATION ENGINEERING LAB	18	36	2
11A81A0148	R32011	GEOTECHNICAL ENGINEERING - I	9	36	4
11A81A0150	R32011	GEOTECHNICAL ENGINEERING - I	9	7	0
11A81A0150	R32012	WATER AND WASTEWATER ENGINEERING	9	10	0
11A81A0150	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	20	0	0
11A81A0150	R32014	WATER RESOURCES ENGINEERING-II	5	-1	0
11A81A0150	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	15	10	0
11A81A0150	R32016	TRANSPORTATION ENGINEERING-II	16	17	0
11A81A0150	R32017	GEOTECHNICAL ENGINEERING LAB	17	38	2
11A81A0150	R32018	TRANSPORTATION ENGINEERING LAB	18	36	2
11A81A0159	R32011	GEOTECHNICAL ENGINEERING - I	7	9	0
11A81A0159	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	17	18	0
11A81A0159	R32016	TRANSPORTATION ENGINEERING-II	7	15	0
11A81A0211	R32021	ELECTRICAL MACHINE DESIGN	0	0	0
11A81A0211	R32022	POWER SYSTEM ANALYSIS	3	2	0
11A81A0211	R32023	UTILIZATION OF ELECTRICAL ENERGY	6	20	0
11A81A0211	R32024	MICROPROCESSORS AND MICROCONTROLLER	6	0	0
11A81A0211	R32025	POWER SEMICONDUCTOR DRIVES	0	-1	0
11A81A0211	R32026	MANAGEMENT SCIENCE	7	-1	0
11A81A0211	R32027	POWER ELECTRONICS LAB	10	-1	0
11A81A0211	R32028	ELECTRICAL MEASUREMENTS LAB	7	-1	0
11A81A0217	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	12	0
11A81A0225	R32022	POWER SYSTEM ANALYSIS	10	-1	0
11A81A0231	R32022	POWER SYSTEM ANALYSIS	7	11	0
11A81A0231	R32024	MICROPROCESSORS AND MICROCONTROLLER	15	36	4
11A81A0241	R32025	POWER SEMICONDUCTOR DRIVES	19	7	0
11A81A0243	R32021	ELECTRICAL MACHINE DESIGN	20	46	4
11A81A0245	R32026	MANAGEMENT SCIENCE	9	17	0
11A81A0246	R32021	ELECTRICAL MACHINE DESIGN	8	12	0
11A81A0246	R32024	MICROPROCESSORS AND MICROCONTROLLER	2	-1	0
11A81A0246	R32026	MANAGEMENT SCIENCE	6	-1	0
11A81A0249	R32022	POWER SYSTEM ANALYSIS	10	8	0
11A81A0249	R32024	MICROPROCESSORS AND MICROCONTROLLER	10	31	4
11A81A0249	R32026	MANAGEMENT SCIENCE	11	34	4
11A81A0251	R32025	POWER SEMICONDUCTOR DRIVES	14	13	0
11A81A0251	R32026	MANAGEMENT SCIENCE	0	33	0
11A81A0253	R32022	POWER SYSTEM ANALYSIS	12	14	0
11A81A0253	R32024	MICROPROCESSORS AND MICROCONTROLLER	10	14	0
11A81A0253	R32026	MANAGEMENT SCIENCE	14	32	4

Htno	Subcode	Subname	Internal	External	credits
11A81A0256	R32022	POWER SYSTEM ANALYSIS	13	1	0
11A81A0256	R32024	MICROPROCESSORS AND MICROCONTROLLER	7	-1	0
11A81A0258	R32021	ELECTRICAL MACHINE DESIGN	12	-1	0
11A81A0258	R32026	MANAGEMENT SCIENCE	11	26	0
11A81A0261	R32024	MICROPROCESSORS AND MICROCONTROLLER	9	37	4
11A81A0271	R32021	ELECTRICAL MACHINE DESIGN	14	12	0
11A81A0272	R32021	ELECTRICAL MACHINE DESIGN	13	3	0
11A81A0272	R32022	POWER SYSTEM ANALYSIS	8	3	0
11A81A0272	R32023	UTILIZATION OF ELECTRICAL ENERGY	11	35	4
11A81A0272	R32024	MICROPROCESSORS AND MICROCONTROLLER	10	1	0
11A81A0272	R32025	POWER SEMICONDUCTOR DRIVES	14	4	0
11A81A0272	R32026	MANAGEMENT SCIENCE	4	26	0
11A81A0272	R32027	POWER ELECTRONICS LAB	10	-1	0
11A81A0272	R32028	ELECTRICAL MEASUREMENTS LAB	5	-1	0
11A81A0273	R32022	POWER SYSTEM ANALYSIS	9	12	0
11A81A0273	R32024	MICROPROCESSORS AND MICROCONTROLLER	10	20	0
11A81A0276	R32025	POWER SEMICONDUCTOR DRIVES	15	27	4
11A81A0281	R32021	ELECTRICAL MACHINE DESIGN	14	15	0
11A81A0281	R32022	POWER SYSTEM ANALYSIS	9	1	0
11A81A0281	R32023	UTILIZATION OF ELECTRICAL ENERGY	12	15	0
11A81A0281	R32024	MICROPROCESSORS AND MICROCONTROLLER	7	2	0
11A81A0281	R32025	POWER SEMICONDUCTOR DRIVES	15	4	0
11A81A0281	R32026	MANAGEMENT SCIENCE	12	14	0
11A81A0281	R32027	POWER ELECTRONICS LAB	12	40	2
11A81A0281	R32028	ELECTRICAL MEASUREMENTS LAB	16	40	2
11A81A0285	R32024	MICROPROCESSORS AND MICROCONTROLLER	11	29	4
11A81A0285	R32026	MANAGEMENT SCIENCE	10	30	4
11A81A0290	R32021	ELECTRICAL MACHINE DESIGN	23	46	4
11A81A0290	R32022	POWER SYSTEM ANALYSIS	13	19	0
11A81A0290	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	43	4
11A81A0290	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	28	4
11A81A0290	R32025	POWER SEMICONDUCTOR DRIVES	20	26	4
11A81A0290	R32026	MANAGEMENT SCIENCE	19	26	4
11A81A0290	R32027	POWER ELECTRONICS LAB	17	40	2
11A81A0290	R32028	ELECTRICAL MEASUREMENTS LAB	18	40	2
11A81A0291	R32025	POWER SEMICONDUCTOR DRIVES	19	3	0
11A81A0296	R32024	MICROPROCESSORS AND MICROCONTROLLER	11	10	0
11A81A0298	R32026	MANAGEMENT SCIENCE	17	26	4
11A81A0299	R32021	ELECTRICAL MACHINE DESIGN	15	18	0
11A81A0299	R32025	POWER SEMICONDUCTOR DRIVES	19	3	0
11A81A02A1	R32021	ELECTRICAL MACHINE DESIGN	21	44	4
11A81A02A1	R32022	POWER SYSTEM ANALYSIS	14	30	4
11A81A02A1	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	38	4
11A81A02A1	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	26	4
11A81A02A1	R32025	POWER SEMICONDUCTOR DRIVES	21	4	0
11A81A02A1	R32026	MANAGEMENT SCIENCE	17	34	4
11A81A02A1	R32027	POWER ELECTRONICS LAB	20	40	2
11A81A02A1	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
11A81A02B0	R32024	MICROPROCESSORS AND MICROCONTROLLER	11	12	0
11A81A02B5	R32021	ELECTRICAL MACHINE DESIGN	18	32	4
11A81A02B6	R32021	ELECTRICAL MACHINE DESIGN	16	18	0

Htno	Subcode	Subname	Internal	External	credits
11A81A02B6	R32024	MICROPROCESSORS AND MICROCONTROLLER	12	36	4
11A81A02B9	R32021	ELECTRICAL MACHINE DESIGN	18	32	4
11A81A02B9	R32022	POWER SYSTEM ANALYSIS	11	21	0
11A81A02B9	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	39	4
11A81A02B9	R32024	MICROPROCESSORS AND MICROCONTROLLER	15	3	0
11A81A02B9	R32025	POWER SEMICONDUCTOR DRIVES	22	-1	0
11A81A02B9	R32026	MANAGEMENT SCIENCE	19	56	4
11A81A02B9	R32027	POWER ELECTRONICS LAB	20	40	2
11A81A02B9	R32028	ELECTRICAL MEASUREMENTS LAB	16	42	2
11A81A0301	R32031	METROLOGY	11	34	4
11A81A0304	R32031	METROLOGY	11	29	4
11A81A0304	R32033	HEAT TRANSFER	12	26	0
11A81A0304	R32034	INSTRUMENTATION & CONTROL SYSTEMS	12	17	0
11A81A0306	R32033	HEAT TRANSFER	15	18	0
11A81A0309	R32031	METROLOGY	7	21	0
11A81A0312	R32031	METROLOGY	15	46	4
11A81A0312	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	-1	0
11A81A0349	R32033	HEAT TRANSFER	12	30	4
11A81A0349	R32036	INDUSTRIAL ENGG. & MANAGEMENT	13	33	4
11A81A0352	R32031	METROLOGY	13	30	4
11A81A0352	R32032	ROBOTICS	21	38	4
11A81A0352	R32033	HEAT TRANSFER	9	31	4
11A81A0352	R32034	INSTRUMENTATION & CONTROL SYSTEMS	8	16	0
11A81A0352	R32035	DESIGN OF MACHINE MEMBERS_II	22	37	4
11A81A0352	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	30	4
11A81A0352	R32037	METROLOGY & INSTRUMENTATION LAB	7	24	2
11A81A0352	R32038	HEAT TRANSFER LAB	12	-1	0
11A81A0357	R32036	INDUSTRIAL ENGG. & MANAGEMENT	7	30	0
11A81A0359	R32037	METROLOGY & INSTRUMENTATION LAB	0	47	2
11A81A0402	R32026	MANAGEMENT SCIENCE	17	32	4
11A81A0402	R32043	DIGITAL SIGNAL PROCESSING	12	16	0
11A81A0402	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	9	14	0
11A81A0402	R32045	VLSI DESIGN	11	17	0
11A81A0405	R32041	COMPUTER NETWORKS	16	12	0
11A81A0405	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	12	33	4
11A81A0406	R32026	MANAGEMENT SCIENCE	12	32	4
11A81A0406	R32042	MICROWAVE ENGINEERING	11	29	4
11A81A0409	R32043	DIGITAL SIGNAL PROCESSING	14	10	0
11A81A0410	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	8	0
11A81A0411	R32026	MANAGEMENT SCIENCE	18	33	4
11A81A0411	R32041	COMPUTER NETWORKS	12	34	4
11A81A0411	R32042	MICROWAVE ENGINEERING	17	41	4
11A81A0411	R32043	DIGITAL SIGNAL PROCESSING	14	29	4
11A81A0411	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	38	4
11A81A0411	R32045	VLSI DESIGN	11	29	4
11A81A0411	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	13	27	2
11A81A0411	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	13	-1	0
11A81A0424	R32026	MANAGEMENT SCIENCE	5	35	4
11A81A0424	R32041	COMPUTER NETWORKS	12	38	4
11A81A0424	R32042	MICROWAVE ENGINEERING	17	31	4
11A81A0424	R32043	DIGITAL SIGNAL PROCESSING	17	40	4

Htno	Subcode	Subname	Internal	External	credits
11A81A0424	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	11	0
11A81A0424	R32045	VLSI DESIGN	14	32	4
11A81A0424	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
11A81A0424	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	47	2
11A81A0427	R32042	MICROWAVE ENGINEERING	18	-1	0
11A81A0427	R32043	DIGITAL SIGNAL PROCESSING	16	-1	0
11A81A0428	R32045	VLSI DESIGN	18	-1	0
11A81A0453	R32041	COMPUTER NETWORKS	14	33	4
11A81A0453	R32043	DIGITAL SIGNAL PROCESSING	11	9	0
11A81A0453	R32045	VLSI DESIGN	17	30	4
11A81A0482	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	28	4
11A81A0485	R32041	COMPUTER NETWORKS	5	35	4
11A81A0485	R32045	VLSI DESIGN	10	27	0
11A81A04A0	R32043	DIGITAL SIGNAL PROCESSING	15	-1	0
11A81A0512	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	13	28	4
11A81A0512	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	27	4
11A81A0517	R32051	ADVANCED COMPUTER NETWORKS	11	47	4
11A81A0521	R32026	MANAGEMENT SCIENCE	9	22	0
11A81A0521	R32051	ADVANCED COMPUTER NETWORKS	10	16	0
11A81A0521	R32052	COMPUTER ARCHITECTURE	4	29	0
11A81A0521	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	3	0	0
11A81A0521	R32054	UNIX PROGRAMMING	0	10	0
11A81A0521	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	4	27	0
11A81A0521	R32057	COMPUTER NETWORKS AND UNIX LAB	10	-1	0
11A81A0521	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	7	-1	0
11A81A0561	R32052	COMPUTER ARCHITECTURE	8	-1	0
11A81A0562	R32052	COMPUTER ARCHITECTURE	12	-1	0
11A81A0563	R32026	MANAGEMENT SCIENCE	17	31	4
11A81A0563	R32052	COMPUTER ARCHITECTURE	10	19	0
11A81A0563	R32054	UNIX PROGRAMMING	12	28	4
11A81A0567	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	7	35	4
11A81A0578	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	16	0
11A81A0587	R32026	MANAGEMENT SCIENCE	9	31	4
11A81A0587	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	35	4
11A81A0594	R32052	COMPUTER ARCHITECTURE	13	17	0
11A81A0594	R32054	UNIX PROGRAMMING	18	18	0
11A81A0599	R32052	COMPUTER ARCHITECTURE	12	9	0
11A81A05B8	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	34	4
11A81A1206	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	12	18	0
11A81A1214	R32051	ADVANCED COMPUTER NETWORKS	11	17	0
11A81A1214	R32054	UNIX PROGRAMMING	10	2	0
11A81A1214	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	5	8	0
11A81A1216	R32054	UNIX PROGRAMMING	12	10	0
11A81A1224	R32054	UNIX PROGRAMMING	16	0	0
11A81A1233	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	17	0
11A81A1236	R32054	UNIX PROGRAMMING	11	0	0
11A81A1247	R32051	ADVANCED COMPUTER NETWORKS	10	31	4
11A81A1260	R32051	ADVANCED COMPUTER NETWORKS	12	30	4
11A81A1260	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	26	4
11A81A1260	R32054	UNIX PROGRAMMING	11	17	0
11A81A1260	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	7	33	4

Htno	Subcode	Subname	Internal	External	credits
11A85A0422	R32043	DIGITAL SIGNAL PROCESSING	12	5	0
11A85A0514	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	15	0
11A85A0514	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	-1	0
12A81A0101	R32011	GEOTECHNICAL ENGINEERING - I	17	9	0
12A81A0101	R32012	WATER AND WASTEWATER ENGINEERING	20	29	4
12A81A0101	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	21	31	4
12A81A0101	R32014	WATER RESOURCES ENGINEERING-II	16	29	4
12A81A0101	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	18	14	0
12A81A0101	R32016	TRANSPORTATION ENGINEERING-II	21	39	4
12A81A0101	R32017	GEOTECHNICAL ENGINEERING LAB	20	46	2
12A81A0101	R32018	TRANSPORTATION ENGINEERING LAB	20	42	2
12A81A0102	R32011	GEOTECHNICAL ENGINEERING - I	19	61	4
12A81A0102	R32012	WATER AND WASTEWATER ENGINEERING	20	37	4
12A81A0102	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	21	12	0
12A81A0102	R32014	WATER RESOURCES ENGINEERING-II	12	59	4
12A81A0102	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	22	46	4
12A81A0102	R32016	TRANSPORTATION ENGINEERING-II	24	33	4
12A81A0102	R32017	GEOTECHNICAL ENGINEERING LAB	23	47	2
12A81A0102	R32018	TRANSPORTATION ENGINEERING LAB	24	46	2
12A81A0103	R32011	GEOTECHNICAL ENGINEERING - I	14	16	0
12A81A0103	R32012	WATER AND WASTEWATER ENGINEERING	13	28	4
12A81A0103	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	14	8	0
12A81A0103	R32014	WATER RESOURCES ENGINEERING-II	13	36	4
12A81A0103	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	16	31	4
12A81A0103	R32016	TRANSPORTATION ENGINEERING-II	19	28	4
12A81A0103	R32017	GEOTECHNICAL ENGINEERING LAB	20	46	2
12A81A0103	R32018	TRANSPORTATION ENGINEERING LAB	23	44	2
12A81A0104	R32011	GEOTECHNICAL ENGINEERING - I	20	26	4
12A81A0104	R32012	WATER AND WASTEWATER ENGINEERING	14	26	4
12A81A0104	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	14	9	0
12A81A0104	R32014	WATER RESOURCES ENGINEERING-II	14	30	4
12A81A0104	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	15	26	4
12A81A0104	R32016	TRANSPORTATION ENGINEERING-II	19	28	4
12A81A0104	R32017	GEOTECHNICAL ENGINEERING LAB	19	47	2
12A81A0104	R32018	TRANSPORTATION ENGINEERING LAB	23	44	2
12A81A0105	R32011	GEOTECHNICAL ENGINEERING - I	21	32	4
12A81A0105	R32012	WATER AND WASTEWATER ENGINEERING	16	38	4
12A81A0105	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	15	30	4
12A81A0105	R32014	WATER RESOURCES ENGINEERING-II	15	51	4
12A81A0105	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	19	33	4
12A81A0105	R32016	TRANSPORTATION ENGINEERING-II	21	34	4
12A81A0105	R32017	GEOTECHNICAL ENGINEERING LAB	19	45	2
12A81A0105	R32018	TRANSPORTATION ENGINEERING LAB	20	40	2
12A81A0106	R32011	GEOTECHNICAL ENGINEERING - I	15	11	0
12A81A0106	R32012	WATER AND WASTEWATER ENGINEERING	12	13	0
12A81A0106	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	19	0	0
12A81A0106	R32014	WATER RESOURCES ENGINEERING-II	10	2	0
12A81A0106	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	16	10	0
12A81A0106	R32016	TRANSPORTATION ENGINEERING-II	11	24	0
12A81A0106	R32017	GEOTECHNICAL ENGINEERING LAB	17	38	2
12A81A0106	R32018	TRANSPORTATION ENGINEERING LAB	15	35	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0107	R32011	GEOTECHNICAL ENGINEERING - I	24	26	4
12A81A0107	R32012	WATER AND WASTEWATER ENGINEERING	22	33	4
12A81A0107	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	21	26	4
12A81A0107	R32014	WATER RESOURCES ENGINEERING-II	18	32	4
12A81A0107	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	18	41	4
12A81A0107	R32016	TRANSPORTATION ENGINEERING-II	21	28	4
12A81A0107	R32017	GEOTECHNICAL ENGINEERING LAB	20	46	2
12A81A0107	R32018	TRANSPORTATION ENGINEERING LAB	23	44	2
12A81A0108	R32011	GEOTECHNICAL ENGINEERING - I	19	39	4
12A81A0108	R32012	WATER AND WASTEWATER ENGINEERING	17	48	4
12A81A0108	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	12	28	4
12A81A0108	R32014	WATER RESOURCES ENGINEERING-II	17	49	4
12A81A0108	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	20	50	4
12A81A0108	R32016	TRANSPORTATION ENGINEERING-II	24	35	4
12A81A0108	R32017	GEOTECHNICAL ENGINEERING LAB	23	48	2
12A81A0108	R32018	TRANSPORTATION ENGINEERING LAB	24	46	2
12A81A0109	R32011	GEOTECHNICAL ENGINEERING - I	15	10	0
12A81A0109	R32012	WATER AND WASTEWATER ENGINEERING	13	36	4
12A81A0109	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	17	40	4
12A81A0109	R32014	WATER RESOURCES ENGINEERING-II	16	42	4
12A81A0109	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	14	34	4
12A81A0109	R32016	TRANSPORTATION ENGINEERING-II	16	26	4
12A81A0109	R32017	GEOTECHNICAL ENGINEERING LAB	18	44	2
12A81A0109	R32018	TRANSPORTATION ENGINEERING LAB	22	42	2
12A81A0110	R32011	GEOTECHNICAL ENGINEERING - I	12	40	4
12A81A0110	R32012	WATER AND WASTEWATER ENGINEERING	16	45	4
12A81A0110	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	16	36	4
12A81A0110	R32014	WATER RESOURCES ENGINEERING-II	6	63	4
12A81A0110	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	14	48	4
12A81A0110	R32016	TRANSPORTATION ENGINEERING-II	14	40	4
12A81A0110	R32017	GEOTECHNICAL ENGINEERING LAB	21	45	2
12A81A0110	R32018	TRANSPORTATION ENGINEERING LAB	22	43	2
12A81A0112	R32011	GEOTECHNICAL ENGINEERING - I	20	54	4
12A81A0112	R32012	WATER AND WASTEWATER ENGINEERING	16	41	4
12A81A0112	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	19	26	4
12A81A0112	R32014	WATER RESOURCES ENGINEERING-II	18	43	4
12A81A0112	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	22	44	4
12A81A0112	R32016	TRANSPORTATION ENGINEERING-II	18	41	4
12A81A0112	R32017	GEOTECHNICAL ENGINEERING LAB	24	49	2
12A81A0112	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
12A81A0113	R32011	GEOTECHNICAL ENGINEERING - I	3	18	0
12A81A0113	R32012	WATER AND WASTEWATER ENGINEERING	3	12	0
12A81A0113	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	5	0	0
12A81A0113	R32014	WATER RESOURCES ENGINEERING-II	9	33	4
12A81A0113	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	10	10	0
12A81A0113	R32016	TRANSPORTATION ENGINEERING-II	13	27	4
12A81A0113	R32017	GEOTECHNICAL ENGINEERING LAB	17	35	2
12A81A0113	R32018	TRANSPORTATION ENGINEERING LAB	21	36	2
12A81A0114	R32011	GEOTECHNICAL ENGINEERING - I	24	34	4
12A81A0114	R32012	WATER AND WASTEWATER ENGINEERING	23	35	4
12A81A0114	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	19	28	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0114	R32014	WATER RESOURCES ENGINEERING-II	17	40	4
12A81A0114	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	24	43	4
12A81A0114	R32016	TRANSPORTATION ENGINEERING-II	20	36	4
12A81A0114	R32017	GEOTECHNICAL ENGINEERING LAB	20	45	2
12A81A0114	R32018	TRANSPORTATION ENGINEERING LAB	23	44	2
12A81A0115	R32011	GEOTECHNICAL ENGINEERING - I	19	64	4
12A81A0115	R32012	WATER AND WASTEWATER ENGINEERING	18	46	4
12A81A0115	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	16	36	4
12A81A0115	R32014	WATER RESOURCES ENGINEERING-II	14	61	4
12A81A0115	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	24	56	4
12A81A0115	R32016	TRANSPORTATION ENGINEERING-II	22	42	4
12A81A0115	R32017	GEOTECHNICAL ENGINEERING LAB	24	49	2
12A81A0115	R32018	TRANSPORTATION ENGINEERING LAB	24	48	2
12A81A0116	R32011	GEOTECHNICAL ENGINEERING - I	25	36	4
12A81A0116	R32012	WATER AND WASTEWATER ENGINEERING	23	45	4
12A81A0116	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	24	39	4
12A81A0116	R32014	WATER RESOURCES ENGINEERING-II	19	37	4
12A81A0116	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	23	33	4
12A81A0116	R32016	TRANSPORTATION ENGINEERING-II	22	28	4
12A81A0116	R32017	GEOTECHNICAL ENGINEERING LAB	23	48	2
12A81A0116	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
12A81A0117	R32011	GEOTECHNICAL ENGINEERING - I	23	42	4
12A81A0117	R32012	WATER AND WASTEWATER ENGINEERING	24	54	4
12A81A0117	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	23	47	4
12A81A0117	R32014	WATER RESOURCES ENGINEERING-II	21	68	4
12A81A0117	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	25	50	4
12A81A0117	R32016	TRANSPORTATION ENGINEERING-II	24	54	4
12A81A0117	R32017	GEOTECHNICAL ENGINEERING LAB	22	48	2
12A81A0117	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
12A81A0118	R32011	GEOTECHNICAL ENGINEERING - I	24	51	4
12A81A0118	R32012	WATER AND WASTEWATER ENGINEERING	23	43	4
12A81A0118	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	23	48	4
12A81A0118	R32014	WATER RESOURCES ENGINEERING-II	18	71	4
12A81A0118	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	24	49	4
12A81A0118	R32016	TRANSPORTATION ENGINEERING-II	23	55	4
12A81A0118	R32017	GEOTECHNICAL ENGINEERING LAB	23	49	2
12A81A0118	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
12A81A0119	R32011	GEOTECHNICAL ENGINEERING - I	12	17	0
12A81A0119	R32012	WATER AND WASTEWATER ENGINEERING	3	13	0
12A81A0119	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	23	8	0
12A81A0119	R32014	WATER RESOURCES ENGINEERING-II	12	4	0
12A81A0119	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	16	31	4
12A81A0119	R32016	TRANSPORTATION ENGINEERING-II	23	10	0
12A81A0119	R32017	GEOTECHNICAL ENGINEERING LAB	18	43	2
12A81A0119	R32018	TRANSPORTATION ENGINEERING LAB	22	43	2
12A81A0120	R32011	GEOTECHNICAL ENGINEERING - I	17	13	0
12A81A0120	R32012	WATER AND WASTEWATER ENGINEERING	17	36	4
12A81A0120	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	20	5	0
12A81A0120	R32014	WATER RESOURCES ENGINEERING-II	15	32	4
12A81A0120	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	20	31	4
12A81A0120	R32016	TRANSPORTATION ENGINEERING-II	17	18	0

Htno	Subcode	Subname	Internal	External	credits
12A81A0120	R32017	GEOTECHNICAL ENGINEERING LAB	17	43	2
12A81A0120	R32018	TRANSPORTATION ENGINEERING LAB	20	40	2
12A81A0121	R32011	GEOTECHNICAL ENGINEERING - I	16	26	4
12A81A0121	R32012	WATER AND WASTEWATER ENGINEERING	14	48	4
12A81A0121	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	20	32	4
12A81A0121	R32014	WATER RESOURCES ENGINEERING-II	15	44	4
12A81A0121	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	18	36	4
12A81A0121	R32016	TRANSPORTATION ENGINEERING-II	21	42	4
12A81A0121	R32017	GEOTECHNICAL ENGINEERING LAB	20	43	2
12A81A0121	R32018	TRANSPORTATION ENGINEERING LAB	22	41	2
12A81A0122	R32011	GEOTECHNICAL ENGINEERING - I	16	18	0
12A81A0122	R32012	WATER AND WASTEWATER ENGINEERING	13	34	4
12A81A0122	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	11	43	4
12A81A0122	R32014	WATER RESOURCES ENGINEERING-II	17	32	4
12A81A0122	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	23	26	4
12A81A0122	R32016	TRANSPORTATION ENGINEERING-II	16	26	4
12A81A0122	R32017	GEOTECHNICAL ENGINEERING LAB	21	45	2
12A81A0122	R32018	TRANSPORTATION ENGINEERING LAB	23	42	2
12A81A0123	R32011	GEOTECHNICAL ENGINEERING - I	20	45	4
12A81A0123	R32012	WATER AND WASTEWATER ENGINEERING	14	36	4
12A81A0123	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	12	75	4
12A81A0123	R32014	WATER RESOURCES ENGINEERING-II	14	50	4
12A81A0123	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	19	39	4
12A81A0123	R32016	TRANSPORTATION ENGINEERING-II	17	37	4
12A81A0123	R32017	GEOTECHNICAL ENGINEERING LAB	21	45	2
12A81A0123	R32018	TRANSPORTATION ENGINEERING LAB	22	43	2
12A81A0124	R32011	GEOTECHNICAL ENGINEERING - I	22	39	4
12A81A0124	R32012	WATER AND WASTEWATER ENGINEERING	20	40	4
12A81A0124	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	23	26	4
12A81A0124	R32014	WATER RESOURCES ENGINEERING-II	15	40	4
12A81A0124	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	22	48	4
12A81A0124	R32016	TRANSPORTATION ENGINEERING-II	17	45	4
12A81A0124	R32017	GEOTECHNICAL ENGINEERING LAB	21	47	2
12A81A0124	R32018	TRANSPORTATION ENGINEERING LAB	22	48	2
12A81A0125	R32011	GEOTECHNICAL ENGINEERING - I	21	32	4
12A81A0125	R32012	WATER AND WASTEWATER ENGINEERING	21	38	4
12A81A0125	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	21	32	4
12A81A0125	R32014	WATER RESOURCES ENGINEERING-II	17	39	4
12A81A0125	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	24	30	4
12A81A0125	R32016	TRANSPORTATION ENGINEERING-II	22	44	4
12A81A0125	R32017	GEOTECHNICAL ENGINEERING LAB	20	46	2
12A81A0125	R32018	TRANSPORTATION ENGINEERING LAB	23	44	2
12A81A0126	R32011	GEOTECHNICAL ENGINEERING - I	19	46	4
12A81A0126	R32012	WATER AND WASTEWATER ENGINEERING	18	34	4
12A81A0126	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	23	30	4
12A81A0126	R32014	WATER RESOURCES ENGINEERING-II	15	41	4
12A81A0126	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	17	33	4
12A81A0126	R32016	TRANSPORTATION ENGINEERING-II	17	39	4
12A81A0126	R32017	GEOTECHNICAL ENGINEERING LAB	22	46	2
12A81A0126	R32018	TRANSPORTATION ENGINEERING LAB	23	43	2
12A81A0128	R32011	GEOTECHNICAL ENGINEERING - I	18	38	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0128	R32012	WATER AND WASTEWATER ENGINEERING	20	36	4
12A81A0128	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	23	57	4
12A81A0128	R32014	WATER RESOURCES ENGINEERING-II	18	46	4
12A81A0128	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	19	54	4
12A81A0128	R32016	TRANSPORTATION ENGINEERING-II	22	39	4
12A81A0128	R32017	GEOTECHNICAL ENGINEERING LAB	20	45	2
12A81A0128	R32018	TRANSPORTATION ENGINEERING LAB	22	43	2
12A81A0129	R32011	GEOTECHNICAL ENGINEERING - I	14	19	0
12A81A0129	R32012	WATER AND WASTEWATER ENGINEERING	17	39	4
12A81A0129	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	22	5	0
12A81A0129	R32014	WATER RESOURCES ENGINEERING-II	17	32	4
12A81A0129	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	23	30	4
12A81A0129	R32016	TRANSPORTATION ENGINEERING-II	20	16	0
12A81A0129	R32017	GEOTECHNICAL ENGINEERING LAB	20	45	2
12A81A0129	R32018	TRANSPORTATION ENGINEERING LAB	22	41	2
12A81A0130	R32011	GEOTECHNICAL ENGINEERING - I	23	47	4
12A81A0130	R32012	WATER AND WASTEWATER ENGINEERING	24	59	4
12A81A0130	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	24	41	4
12A81A0130	R32014	WATER RESOURCES ENGINEERING-II	22	65	4
12A81A0130	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	24	59	4
12A81A0130	R32016	TRANSPORTATION ENGINEERING-II	24	56	4
12A81A0130	R32017	GEOTECHNICAL ENGINEERING LAB	24	49	2
12A81A0130	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
12A81A0131	R32011	GEOTECHNICAL ENGINEERING - I	25	35	4
12A81A0131	R32012	WATER AND WASTEWATER ENGINEERING	21	40	4
12A81A0131	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	22	35	4
12A81A0131	R32014	WATER RESOURCES ENGINEERING-II	17	64	4
12A81A0131	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	24	64	4
12A81A0131	R32016	TRANSPORTATION ENGINEERING-II	22	38	4
12A81A0131	R32017	GEOTECHNICAL ENGINEERING LAB	23	49	2
12A81A0131	R32018	TRANSPORTATION ENGINEERING LAB	25	46	2
12A81A0132	R32011	GEOTECHNICAL ENGINEERING - I	23	63	4
12A81A0132	R32012	WATER AND WASTEWATER ENGINEERING	25	44	4
12A81A0132	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	21	75	4
12A81A0132	R32014	WATER RESOURCES ENGINEERING-II	19	62	4
12A81A0132	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	24	46	4
12A81A0132	R32016	TRANSPORTATION ENGINEERING-II	23	44	4
12A81A0132	R32017	GEOTECHNICAL ENGINEERING LAB	23	49	2
12A81A0132	R32018	TRANSPORTATION ENGINEERING LAB	24	48	2
12A81A0133	R32011	GEOTECHNICAL ENGINEERING - I	23	35	4
12A81A0133	R32012	WATER AND WASTEWATER ENGINEERING	17	46	4
12A81A0133	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	23	26	4
12A81A0133	R32014	WATER RESOURCES ENGINEERING-II	15	41	4
12A81A0133	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	23	50	4
12A81A0133	R32016	TRANSPORTATION ENGINEERING-II	21	16	0
12A81A0133	R32017	GEOTECHNICAL ENGINEERING LAB	23	49	2
12A81A0133	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
12A81A0134	R32011	GEOTECHNICAL ENGINEERING - I	24	43	4
12A81A0134	R32012	WATER AND WASTEWATER ENGINEERING	23	56	4
12A81A0134	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	23	26	4
12A81A0134	R32014	WATER RESOURCES ENGINEERING-II	17	52	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0134	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	24	45	4
12A81A0134	R32016	TRANSPORTATION ENGINEERING-II	25	57	4
12A81A0134	R32017	GEOTECHNICAL ENGINEERING LAB	21	46	2
12A81A0134	R32018	TRANSPORTATION ENGINEERING LAB	23	44	2
12A81A0135	R32011	GEOTECHNICAL ENGINEERING - I	24	6	0
12A81A0135	R32012	WATER AND WASTEWATER ENGINEERING	20	38	4
12A81A0135	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	23	31	4
12A81A0135	R32014	WATER RESOURCES ENGINEERING-II	18	40	4
12A81A0135	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	20	33	4
12A81A0135	R32016	TRANSPORTATION ENGINEERING-II	24	41	4
12A81A0135	R32017	GEOTECHNICAL ENGINEERING LAB	21	46	2
12A81A0135	R32018	TRANSPORTATION ENGINEERING LAB	24	43	2
12A81A0136	R32011	GEOTECHNICAL ENGINEERING - I	25	26	4
12A81A0136	R32012	WATER AND WASTEWATER ENGINEERING	18	40	4
12A81A0136	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	13	39	4
12A81A0136	R32014	WATER RESOURCES ENGINEERING-II	18	70	4
12A81A0136	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	21	44	4
12A81A0136	R32016	TRANSPORTATION ENGINEERING-II	24	51	4
12A81A0136	R32017	GEOTECHNICAL ENGINEERING LAB	20	46	2
12A81A0136	R32018	TRANSPORTATION ENGINEERING LAB	22	43	2
12A81A0137	R32011	GEOTECHNICAL ENGINEERING - I	14	26	4
12A81A0137	R32012	WATER AND WASTEWATER ENGINEERING	17	31	4
12A81A0137	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	14	9	0
12A81A0137	R32014	WATER RESOURCES ENGINEERING-II	10	34	4
12A81A0137	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	9	31	4
12A81A0137	R32016	TRANSPORTATION ENGINEERING-II	9	16	0
12A81A0137	R32017	GEOTECHNICAL ENGINEERING LAB	17	38	2
12A81A0137	R32018	TRANSPORTATION ENGINEERING LAB	18	36	2
12A81A0138	R32011	GEOTECHNICAL ENGINEERING - I	13	40	4
12A81A0138	R32012	WATER AND WASTEWATER ENGINEERING	15	35	4
12A81A0138	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	15	9	0
12A81A0138	R32014	WATER RESOURCES ENGINEERING-II	15	40	4
12A81A0138	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	6	26	0
12A81A0138	R32016	TRANSPORTATION ENGINEERING-II	17	38	4
12A81A0138	R32017	GEOTECHNICAL ENGINEERING LAB	18	43	2
12A81A0138	R32018	TRANSPORTATION ENGINEERING LAB	19	40	2
12A81A0140	R32011	GEOTECHNICAL ENGINEERING - I	25	61	4
12A81A0140	R32012	WATER AND WASTEWATER ENGINEERING	24	48	4
12A81A0140	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	21	67	4
12A81A0140	R32014	WATER RESOURCES ENGINEERING-II	24	71	4
12A81A0140	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	25	51	4
12A81A0140	R32016	TRANSPORTATION ENGINEERING-II	24	55	4
12A81A0140	R32017	GEOTECHNICAL ENGINEERING LAB	24	49	2
12A81A0140	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
12A81A0141	R32011	GEOTECHNICAL ENGINEERING - I	15	26	4
12A81A0141	R32012	WATER AND WASTEWATER ENGINEERING	15	36	4
12A81A0141	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	16	39	4
12A81A0141	R32014	WATER RESOURCES ENGINEERING-II	16	61	4
12A81A0141	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	19	47	4
12A81A0141	R32016	TRANSPORTATION ENGINEERING-II	20	51	4
12A81A0141	R32017	GEOTECHNICAL ENGINEERING LAB	22	46	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0141	R32018	TRANSPORTATION ENGINEERING LAB	21	45	2
12A81A0142	R32011	GEOTECHNICAL ENGINEERING - I	15	26	4
12A81A0142	R32012	WATER AND WASTEWATER ENGINEERING	17	29	4
12A81A0142	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	13	8	0
12A81A0142	R32014	WATER RESOURCES ENGINEERING-II	11	34	4
12A81A0142	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	19	35	4
12A81A0142	R32016	TRANSPORTATION ENGINEERING-II	20	36	4
12A81A0142	R32017	GEOTECHNICAL ENGINEERING LAB	18	45	2
12A81A0142	R32018	TRANSPORTATION ENGINEERING LAB	20	40	2
12A81A0143	R32011	GEOTECHNICAL ENGINEERING - I	20	41	4
12A81A0143	R32012	WATER AND WASTEWATER ENGINEERING	18	45	4
12A81A0143	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	4	5	0
12A81A0143	R32014	WATER RESOURCES ENGINEERING-II	10	46	4
12A81A0143	R32015	DESIGN & DRAWING OF CONCRETE I STRUCTURES -II	8	40	4
12A81A0143	R32016	TRANSPORTATION ENGINEERING-II	12	43	4
12A81A0143	R32017	GEOTECHNICAL ENGINEERING LAB	19	43	2
12A81A0143	R32018	TRANSPORTATION ENGINEERING LAB	20	40	2
12A81A0144	R32011	GEOTECHNICAL ENGINEERING - I	22	37	4
12A81A0144	R32012	WATER AND WASTEWATER ENGINEERING	21	39	4
12A81A0144	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	22	28	4
12A81A0144	R32014	WATER RESOURCES ENGINEERING-II	15	59	4
12A81A0144	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	25	42	4
12A81A0144	R32016	TRANSPORTATION ENGINEERING-II	22	38	4
12A81A0144	R32017	GEOTECHNICAL ENGINEERING LAB	24	49	2
12A81A0144	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
12A81A0145	R32011	GEOTECHNICAL ENGINEERING - I	14	13	0
12A81A0145	R32012	WATER AND WASTEWATER ENGINEERING	21	40	4
12A81A0145	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	20	8	0
12A81A0145	R32014	WATER RESOURCES ENGINEERING-II	15	45	4
12A81A0145	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	21	33	4
12A81A0145	R32016	TRANSPORTATION ENGINEERING-II	19	39	4
12A81A0145	R32017	GEOTECHNICAL ENGINEERING LAB	20	45	2
12A81A0145	R32018	TRANSPORTATION ENGINEERING LAB	24	45	2
12A81A0147	R32011	GEOTECHNICAL ENGINEERING - I	21	33	4
12A81A0147	R32012	WATER AND WASTEWATER ENGINEERING	22	30	4
12A81A0147	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	16	7	0
12A81A0147	R32014	WATER RESOURCES ENGINEERING-II	13	28	4
12A81A0147	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	20	45	4
12A81A0147	R32016	TRANSPORTATION ENGINEERING-II	22	30	4
12A81A0147	R32017	GEOTECHNICAL ENGINEERING LAB	22	48	2
12A81A0147	R32018	TRANSPORTATION ENGINEERING LAB	25	46	2
12A81A0148	R32011	GEOTECHNICAL ENGINEERING - I	22	44	4
12A81A0148	R32012	WATER AND WASTEWATER ENGINEERING	16	52	4
12A81A0148	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	15	44	4
12A81A0148	R32014	WATER RESOURCES ENGINEERING-II	16	41	4
12A81A0148	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	19	40	4
12A81A0148	R32016	TRANSPORTATION ENGINEERING-II	20	50	4
12A81A0148	R32017	GEOTECHNICAL ENGINEERING LAB	23	48	2
12A81A0148	R32018	TRANSPORTATION ENGINEERING LAB	23	44	2
12A81A0149	R32011	GEOTECHNICAL ENGINEERING - I	23	35	4
12A81A0149	R32012	WATER AND WASTEWATER ENGINEERING	22	26	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0149	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	18	40	4
12A81A0149	R32014	WATER RESOURCES ENGINEERING-II	16	42	4
12A81A0149	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	25	48	4
12A81A0149	R32016	TRANSPORTATION ENGINEERING-II	20	33	4
12A81A0149	R32017	GEOTECHNICAL ENGINEERING LAB	21	49	2
12A81A0149	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
12A81A0150	R32011	GEOTECHNICAL ENGINEERING - I	21	54	4
12A81A0150	R32012	WATER AND WASTEWATER ENGINEERING	19	32	4
12A81A0150	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	14	36	4
12A81A0150	R32014	WATER RESOURCES ENGINEERING-II	17	53	4
12A81A0150	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	19	47	4
12A81A0150	R32016	TRANSPORTATION ENGINEERING-II	19	41	4
12A81A0150	R32017	GEOTECHNICAL ENGINEERING LAB	22	49	2
12A81A0150	R32018	TRANSPORTATION ENGINEERING LAB	24	48	2
12A81A0151	R32011	GEOTECHNICAL ENGINEERING - I	19	26	4
12A81A0151	R32012	WATER AND WASTEWATER ENGINEERING	15	38	4
12A81A0151	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	14	7	0
12A81A0151	R32014	WATER RESOURCES ENGINEERING-II	11	37	4
12A81A0151	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	12	34	4
12A81A0151	R32016	TRANSPORTATION ENGINEERING-II	13	28	4
12A81A0151	R32017	GEOTECHNICAL ENGINEERING LAB	18	43	2
12A81A0151	R32018	TRANSPORTATION ENGINEERING LAB	22	40	2
12A81A0152	R32011	GEOTECHNICAL ENGINEERING - I	16	72	4
12A81A0152	R32012	WATER AND WASTEWATER ENGINEERING	20	46	4
12A81A0152	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	14	26	4
12A81A0152	R32014	WATER RESOURCES ENGINEERING-II	13	56	4
12A81A0152	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	23	48	4
12A81A0152	R32016	TRANSPORTATION ENGINEERING-II	23	61	4
12A81A0152	R32017	GEOTECHNICAL ENGINEERING LAB	22	46	2
12A81A0152	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
12A81A0153	R32011	GEOTECHNICAL ENGINEERING - I	24	43	4
12A81A0153	R32012	WATER AND WASTEWATER ENGINEERING	20	29	4
12A81A0153	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	13	35	4
12A81A0153	R32014	WATER RESOURCES ENGINEERING-II	16	67	4
12A81A0153	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	19	33	4
12A81A0153	R32016	TRANSPORTATION ENGINEERING-II	25	46	4
12A81A0153	R32017	GEOTECHNICAL ENGINEERING LAB	23	48	2
12A81A0153	R32018	TRANSPORTATION ENGINEERING LAB	23	46	2
12A81A0154	R32011	GEOTECHNICAL ENGINEERING - I	17	39	4
12A81A0154	R32012	WATER AND WASTEWATER ENGINEERING	14	29	4
12A81A0154	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	16	10	0
12A81A0154	R32014	WATER RESOURCES ENGINEERING-II	15	36	4
12A81A0154	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	19	41	4
12A81A0154	R32016	TRANSPORTATION ENGINEERING-II	15	39	4
12A81A0154	R32017	GEOTECHNICAL ENGINEERING LAB	19	43	2
12A81A0154	R32018	TRANSPORTATION ENGINEERING LAB	22	43	2
12A81A0155	R32011	GEOTECHNICAL ENGINEERING - I	24	35	4
12A81A0155	R32012	WATER AND WASTEWATER ENGINEERING	19	36	4
12A81A0155	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	16	9	0
12A81A0155	R32014	WATER RESOURCES ENGINEERING-II	16	43	4
12A81A0155	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	19	38	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0155	R32016	TRANSPORTATION ENGINEERING-II	25	28	4
12A81A0155	R32017	GEOTECHNICAL ENGINEERING LAB	20	45	2
12A81A0155	R32018	TRANSPORTATION ENGINEERING LAB	24	46	2
12A81A0156	R32011	GEOTECHNICAL ENGINEERING - I	18	26	4
12A81A0156	R32012	WATER AND WASTEWATER ENGINEERING	20	4	0
12A81A0156	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	18	26	4
12A81A0156	R32014	WATER RESOURCES ENGINEERING-II	15	35	4
12A81A0156	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	14	36	4
12A81A0156	R32016	TRANSPORTATION ENGINEERING-II	19	43	4
12A81A0156	R32017	GEOTECHNICAL ENGINEERING LAB	19	43	2
12A81A0156	R32018	TRANSPORTATION ENGINEERING LAB	22	43	2
12A81A0157	R32011	GEOTECHNICAL ENGINEERING - I	19	28	4
12A81A0157	R32012	WATER AND WASTEWATER ENGINEERING	19	32	4
12A81A0157	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	11	14	0
12A81A0157	R32014	WATER RESOURCES ENGINEERING-II	12	30	4
12A81A0157	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	14	36	4
12A81A0157	R32016	TRANSPORTATION ENGINEERING-II	17	44	4
12A81A0157	R32017	GEOTECHNICAL ENGINEERING LAB	23	49	2
12A81A0157	R32018	TRANSPORTATION ENGINEERING LAB	24	46	2
12A81A0201	R32021	ELECTRICAL MACHINE DESIGN	25	34	4
12A81A0201	R32022	POWER SYSTEM ANALYSIS	23	41	4
12A81A0201	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	56	4
12A81A0201	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	38	4
12A81A0201	R32025	POWER SEMICONDUCTOR DRIVES	24	28	4
12A81A0201	R32026	MANAGEMENT SCIENCE	20	38	4
12A81A0201	R32027	POWER ELECTRONICS LAB	25	46	2
12A81A0201	R32028	ELECTRICAL MEASUREMENTS LAB	22	45	2
12A81A0202	R32021	ELECTRICAL MACHINE DESIGN	25	57	4
12A81A0202	R32022	POWER SYSTEM ANALYSIS	23	47	4
12A81A0202	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	53	4
12A81A0202	R32024	MICROPROCESSORS AND MICROCONTROLLER	23	47	4
12A81A0202	R32025	POWER SEMICONDUCTOR DRIVES	23	52	4
12A81A0202	R32026	MANAGEMENT SCIENCE	22	33	4
12A81A0202	R32027	POWER ELECTRONICS LAB	25	48	2
12A81A0202	R32028	ELECTRICAL MEASUREMENTS LAB	24	48	2
12A81A0203	R32021	ELECTRICAL MACHINE DESIGN	25	47	4
12A81A0203	R32022	POWER SYSTEM ANALYSIS	24	39	4
12A81A0203	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	56	4
12A81A0203	R32024	MICROPROCESSORS AND MICROCONTROLLER	24	33	4
12A81A0203	R32025	POWER SEMICONDUCTOR DRIVES	22	46	4
12A81A0203	R32026	MANAGEMENT SCIENCE	21	49	4
12A81A0203	R32027	POWER ELECTRONICS LAB	23	47	2
12A81A0203	R32028	ELECTRICAL MEASUREMENTS LAB	23	46	2
12A81A0204	R32021	ELECTRICAL MACHINE DESIGN	22	26	4
12A81A0204	R32022	POWER SYSTEM ANALYSIS	21	31	4
12A81A0204	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	52	4
12A81A0204	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	42	4
12A81A0204	R32025	POWER SEMICONDUCTOR DRIVES	17	53	4
12A81A0204	R32026	MANAGEMENT SCIENCE	18	50	4
12A81A0204	R32027	POWER ELECTRONICS LAB	22	45	2
12A81A0204	R32028	ELECTRICAL MEASUREMENTS LAB	23	46	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0205	R32021	ELECTRICAL MACHINE DESIGN	22	55	4
12A81A0205	R32022	POWER SYSTEM ANALYSIS	19	37	4
12A81A0205	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	60	4
12A81A0205	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	48	4
12A81A0205	R32025	POWER SEMICONDUCTOR DRIVES	14	33	4
12A81A0205	R32026	MANAGEMENT SCIENCE	18	44	4
12A81A0205	R32027	POWER ELECTRONICS LAB	19	45	2
12A81A0205	R32028	ELECTRICAL MEASUREMENTS LAB	22	45	2
12A81A0206	R32021	ELECTRICAL MACHINE DESIGN	24	33	4
12A81A0206	R32022	POWER SYSTEM ANALYSIS	22	29	4
12A81A0206	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	51	4
12A81A0206	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	42	4
12A81A0206	R32025	POWER SEMICONDUCTOR DRIVES	14	11	0
12A81A0206	R32026	MANAGEMENT SCIENCE	21	28	4
12A81A0206	R32027	POWER ELECTRONICS LAB	23	44	2
12A81A0206	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
12A81A0207	R32021	ELECTRICAL MACHINE DESIGN	20	42	4
12A81A0207	R32022	POWER SYSTEM ANALYSIS	21	45	4
12A81A0207	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	53	4
12A81A0207	R32024	MICROPROCESSORS AND MICROCONTROLLER	15	31	4
12A81A0207	R32025	POWER SEMICONDUCTOR DRIVES	12	39	4
12A81A0207	R32026	MANAGEMENT SCIENCE	20	48	4
12A81A0207	R32027	POWER ELECTRONICS LAB	25	48	2
12A81A0207	R32028	ELECTRICAL MEASUREMENTS LAB	22	45	2
12A81A0208	R32021	ELECTRICAL MACHINE DESIGN	23	26	4
12A81A0208	R32022	POWER SYSTEM ANALYSIS	21	34	4
12A81A0208	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	50	4
12A81A0208	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	41	4
12A81A0208	R32025	POWER SEMICONDUCTOR DRIVES	16	61	4
12A81A0208	R32026	MANAGEMENT SCIENCE	20	59	4
12A81A0208	R32027	POWER ELECTRONICS LAB	22	45	2
12A81A0208	R32028	ELECTRICAL MEASUREMENTS LAB	20	43	2
12A81A0209	R32021	ELECTRICAL MACHINE DESIGN	24	46	4
12A81A0209	R32022	POWER SYSTEM ANALYSIS	23	65	4
12A81A0209	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	60	4
12A81A0209	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	39	4
12A81A0209	R32025	POWER SEMICONDUCTOR DRIVES	20	35	4
12A81A0209	R32026	MANAGEMENT SCIENCE	21	48	4
12A81A0209	R32027	POWER ELECTRONICS LAB	22	46	2
12A81A0209	R32028	ELECTRICAL MEASUREMENTS LAB	22	45	2
12A81A0210	R32021	ELECTRICAL MACHINE DESIGN	24	56	4
12A81A0210	R32022	POWER SYSTEM ANALYSIS	23	33	4
12A81A0210	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	46	4
12A81A0210	R32024	MICROPROCESSORS AND MICROCONTROLLER	22	27	4
12A81A0210	R32025	POWER SEMICONDUCTOR DRIVES	23	42	4
12A81A0210	R32026	MANAGEMENT SCIENCE	23	43	4
12A81A0210	R32027	POWER ELECTRONICS LAB	25	47	2
12A81A0210	R32028	ELECTRICAL MEASUREMENTS LAB	23	46	2
12A81A0211	R32021	ELECTRICAL MACHINE DESIGN	25	57	4
12A81A0211	R32022	POWER SYSTEM ANALYSIS	23	37	4
12A81A0211	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	54	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0211	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	31	4
12A81A0211	R32025	POWER SEMICONDUCTOR DRIVES	17	48	4
12A81A0211	R32026	MANAGEMENT SCIENCE	17	47	4
12A81A0211	R32027	POWER ELECTRONICS LAB	23	43	2
12A81A0211	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
12A81A0212	R32021	ELECTRICAL MACHINE DESIGN	25	56	4
12A81A0212	R32022	POWER SYSTEM ANALYSIS	25	35	4
12A81A0212	R32023	UTILIZATION OF ELECTRICAL ENERGY	25	51	4
12A81A0212	R32024	MICROPROCESSORS AND MICROCONTROLLER	24	37	4
12A81A0212	R32025	POWER SEMICONDUCTOR DRIVES	22	53	4
12A81A0212	R32026	MANAGEMENT SCIENCE	23	57	4
12A81A0212	R32027	POWER ELECTRONICS LAB	25	48	2
12A81A0212	R32028	ELECTRICAL MEASUREMENTS LAB	25	49	2
12A81A0213	R32021	ELECTRICAL MACHINE DESIGN	23	29	4
12A81A0213	R32022	POWER SYSTEM ANALYSIS	21	33	4
12A81A0213	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	59	4
12A81A0213	R32024	MICROPROCESSORS AND MICROCONTROLLER	14	38	4
12A81A0213	R32025	POWER SEMICONDUCTOR DRIVES	15	29	4
12A81A0213	R32026	MANAGEMENT SCIENCE	15	43	4
12A81A0213	R32027	POWER ELECTRONICS LAB	23	44	2
12A81A0213	R32028	ELECTRICAL MEASUREMENTS LAB	21	42	2
12A81A0214	R32021	ELECTRICAL MACHINE DESIGN	25	57	4
12A81A0214	R32022	POWER SYSTEM ANALYSIS	24	43	4
12A81A0214	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	59	4
12A81A0214	R32024	MICROPROCESSORS AND MICROCONTROLLER	24	52	4
12A81A0214	R32025	POWER SEMICONDUCTOR DRIVES	23	42	4
12A81A0214	R32026	MANAGEMENT SCIENCE	23	56	4
12A81A0214	R32027	POWER ELECTRONICS LAB	24	45	2
12A81A0214	R32028	ELECTRICAL MEASUREMENTS LAB	24	48	2
12A81A0215	R32021	ELECTRICAL MACHINE DESIGN	25	39	4
12A81A0215	R32022	POWER SYSTEM ANALYSIS	20	42	4
12A81A0215	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	63	4
12A81A0215	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	31	4
12A81A0215	R32025	POWER SEMICONDUCTOR DRIVES	20	26	4
12A81A0215	R32026	MANAGEMENT SCIENCE	23	42	4
12A81A0215	R32027	POWER ELECTRONICS LAB	25	47	2
12A81A0215	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
12A81A0216	R32021	ELECTRICAL MACHINE DESIGN	24	30	4
12A81A0216	R32022	POWER SYSTEM ANALYSIS	23	32	4
12A81A0216	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	43	4
12A81A0216	R32024	MICROPROCESSORS AND MICROCONTROLLER	24	30	4
12A81A0216	R32025	POWER SEMICONDUCTOR DRIVES	21	60	4
12A81A0216	R32026	MANAGEMENT SCIENCE	22	45	4
12A81A0216	R32027	POWER ELECTRONICS LAB	23	48	2
12A81A0216	R32028	ELECTRICAL MEASUREMENTS LAB	24	48	2
12A81A0217	R32021	ELECTRICAL MACHINE DESIGN	22	33	4
12A81A0217	R32022	POWER SYSTEM ANALYSIS	22	38	4
12A81A0217	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	62	4
12A81A0217	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	43	4
12A81A0217	R32025	POWER SEMICONDUCTOR DRIVES	15	39	4
12A81A0217	R32026	MANAGEMENT SCIENCE	16	30	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0217	R32027	POWER ELECTRONICS LAB	23	48	2
12A81A0217	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
12A81A0218	R32021	ELECTRICAL MACHINE DESIGN	25	57	4
12A81A0218	R32022	POWER SYSTEM ANALYSIS	22	30	4
12A81A0218	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	49	4
12A81A0218	R32024	MICROPROCESSORS AND MICROCONTROLLER	24	47	4
12A81A0218	R32025	POWER SEMICONDUCTOR DRIVES	21	50	4
12A81A0218	R32026	MANAGEMENT SCIENCE	21	39	4
12A81A0218	R32027	POWER ELECTRONICS LAB	25	45	2
12A81A0218	R32028	ELECTRICAL MEASUREMENTS LAB	21	43	2
12A81A0219	R32021	ELECTRICAL MACHINE DESIGN	22	34	4
12A81A0219	R32022	POWER SYSTEM ANALYSIS	17	35	4
12A81A0219	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	46	4
12A81A0219	R32024	MICROPROCESSORS AND MICROCONTROLLER	15	29	4
12A81A0219	R32025	POWER SEMICONDUCTOR DRIVES	17	26	4
12A81A0219	R32026	MANAGEMENT SCIENCE	20	37	4
12A81A0219	R32027	POWER ELECTRONICS LAB	22	43	2
12A81A0219	R32028	ELECTRICAL MEASUREMENTS LAB	23	47	2
12A81A0223	R32021	ELECTRICAL MACHINE DESIGN	24	30	4
12A81A0223	R32022	POWER SYSTEM ANALYSIS	24	35	4
12A81A0223	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	51	4
12A81A0223	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	28	4
12A81A0223	R32025	POWER SEMICONDUCTOR DRIVES	18	48	4
12A81A0223	R32026	MANAGEMENT SCIENCE	21	50	4
12A81A0223	R32027	POWER ELECTRONICS LAB	24	48	2
12A81A0223	R32028	ELECTRICAL MEASUREMENTS LAB	23	47	2
12A81A0225	R32021	ELECTRICAL MACHINE DESIGN	24	45	4
12A81A0225	R32022	POWER SYSTEM ANALYSIS	22	50	4
12A81A0225	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	56	4
12A81A0225	R32024	MICROPROCESSORS AND MICROCONTROLLER	22	43	4
12A81A0225	R32025	POWER SEMICONDUCTOR DRIVES	21	28	4
12A81A0225	R32026	MANAGEMENT SCIENCE	20	31	4
12A81A0225	R32027	POWER ELECTRONICS LAB	23	46	2
12A81A0225	R32028	ELECTRICAL MEASUREMENTS LAB	20	41	2
12A81A0226	R32021	ELECTRICAL MACHINE DESIGN	17	45	4
12A81A0226	R32022	POWER SYSTEM ANALYSIS	14	12	0
12A81A0226	R32023	UTILIZATION OF ELECTRICAL ENERGY	13	42	4
12A81A0226	R32024	MICROPROCESSORS AND MICROCONTROLLER	11	31	4
12A81A0226	R32025	POWER SEMICONDUCTOR DRIVES	13	13	0
12A81A0226	R32026	MANAGEMENT SCIENCE	16	33	4
12A81A0226	R32027	POWER ELECTRONICS LAB	22	40	2
12A81A0226	R32028	ELECTRICAL MEASUREMENTS LAB	19	41	2
12A81A0227	R32021	ELECTRICAL MACHINE DESIGN	25	49	4
12A81A0227	R32022	POWER SYSTEM ANALYSIS	23	47	4
12A81A0227	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	57	4
12A81A0227	R32024	MICROPROCESSORS AND MICROCONTROLLER	24	49	4
12A81A0227	R32025	POWER SEMICONDUCTOR DRIVES	23	50	4
12A81A0227	R32026	MANAGEMENT SCIENCE	23	50	4
12A81A0227	R32027	POWER ELECTRONICS LAB	24	47	2
12A81A0227	R32028	ELECTRICAL MEASUREMENTS LAB	23	46	2
12A81A0228	R32021	ELECTRICAL MACHINE DESIGN	25	26	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0228	R32022	POWER SYSTEM ANALYSIS	20	30	4
12A81A0228	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	40	4
12A81A0228	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	17	0
12A81A0228	R32025	POWER SEMICONDUCTOR DRIVES	16	41	4
12A81A0228	R32026	MANAGEMENT SCIENCE	18	43	4
12A81A0228	R32027	POWER ELECTRONICS LAB	24	46	2
12A81A0228	R32028	ELECTRICAL MEASUREMENTS LAB	22	45	2
12A81A0229	R32021	ELECTRICAL MACHINE DESIGN	22	26	4
12A81A0229	R32022	POWER SYSTEM ANALYSIS	20	38	4
12A81A0229	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	57	4
12A81A0229	R32024	MICROPROCESSORS AND MICROCONTROLLER	14	34	4
12A81A0229	R32025	POWER SEMICONDUCTOR DRIVES	13	27	4
12A81A0229	R32026	MANAGEMENT SCIENCE	21	29	4
12A81A0229	R32027	POWER ELECTRONICS LAB	21	45	2
12A81A0229	R32028	ELECTRICAL MEASUREMENTS LAB	20	42	2
12A81A0230	R32021	ELECTRICAL MACHINE DESIGN	24	51	4
12A81A0230	R32022	POWER SYSTEM ANALYSIS	24	19	0
12A81A0230	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	40	4
12A81A0230	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	38	4
12A81A0230	R32025	POWER SEMICONDUCTOR DRIVES	23	26	4
12A81A0230	R32026	MANAGEMENT SCIENCE	22	37	4
12A81A0230	R32027	POWER ELECTRONICS LAB	24	46	2
12A81A0230	R32028	ELECTRICAL MEASUREMENTS LAB	24	47	2
12A81A0231	R32021	ELECTRICAL MACHINE DESIGN	24	42	4
12A81A0231	R32022	POWER SYSTEM ANALYSIS	22	32	4
12A81A0231	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	50	4
12A81A0231	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	26	4
12A81A0231	R32025	POWER SEMICONDUCTOR DRIVES	17	26	4
12A81A0231	R32026	MANAGEMENT SCIENCE	23	44	4
12A81A0231	R32027	POWER ELECTRONICS LAB	23	47	2
12A81A0231	R32028	ELECTRICAL MEASUREMENTS LAB	23	45	2
12A81A0232	R32021	ELECTRICAL MACHINE DESIGN	18	26	4
12A81A0232	R32022	POWER SYSTEM ANALYSIS	17	30	4
12A81A0232	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	39	4
12A81A0232	R32024	MICROPROCESSORS AND MICROCONTROLLER	6	38	4
12A81A0232	R32025	POWER SEMICONDUCTOR DRIVES	11	34	4
12A81A0232	R32026	MANAGEMENT SCIENCE	21	47	4
12A81A0232	R32027	POWER ELECTRONICS LAB	23	46	2
12A81A0232	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
12A81A0233	R32021	ELECTRICAL MACHINE DESIGN	25	55	4
12A81A0233	R32022	POWER SYSTEM ANALYSIS	23	51	4
12A81A0233	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	63	4
12A81A0233	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	36	4
12A81A0233	R32025	POWER SEMICONDUCTOR DRIVES	15	26	4
12A81A0233	R32026	MANAGEMENT SCIENCE	18	51	4
12A81A0233	R32027	POWER ELECTRONICS LAB	23	45	2
12A81A0233	R32028	ELECTRICAL MEASUREMENTS LAB	23	46	2
12A81A0234	R32021	ELECTRICAL MACHINE DESIGN	25	41	4
12A81A0234	R32022	POWER SYSTEM ANALYSIS	23	32	4
12A81A0234	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	50	4
12A81A0234	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	41	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0234	R32025	POWER SEMICONDUCTOR DRIVES	21	37	4
12A81A0234	R32026	MANAGEMENT SCIENCE	22	26	4
12A81A0234	R32027	POWER ELECTRONICS LAB	23	48	2
12A81A0234	R32028	ELECTRICAL MEASUREMENTS LAB	24	47	2
12A81A0235	R32021	ELECTRICAL MACHINE DESIGN	25	52	4
12A81A0235	R32022	POWER SYSTEM ANALYSIS	20	35	4
12A81A0235	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	58	4
12A81A0235	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	18	0
12A81A0235	R32025	POWER SEMICONDUCTOR DRIVES	19	26	4
12A81A0235	R32026	MANAGEMENT SCIENCE	23	43	4
12A81A0235	R32027	POWER ELECTRONICS LAB	23	47	2
12A81A0235	R32028	ELECTRICAL MEASUREMENTS LAB	20	40	2
12A81A0236	R32021	ELECTRICAL MACHINE DESIGN	23	42	4
12A81A0236	R32022	POWER SYSTEM ANALYSIS	19	37	4
12A81A0236	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	50	4
12A81A0236	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	41	4
12A81A0236	R32025	POWER SEMICONDUCTOR DRIVES	18	59	4
12A81A0236	R32026	MANAGEMENT SCIENCE	17	36	4
12A81A0236	R32027	POWER ELECTRONICS LAB	20	48	2
12A81A0236	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
12A81A0237	R32021	ELECTRICAL MACHINE DESIGN	25	56	4
12A81A0237	R32022	POWER SYSTEM ANALYSIS	23	67	4
12A81A0237	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	74	4
12A81A0237	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	45	4
12A81A0237	R32025	POWER SEMICONDUCTOR DRIVES	18	35	4
12A81A0237	R32026	MANAGEMENT SCIENCE	21	55	4
12A81A0237	R32027	POWER ELECTRONICS LAB	23	48	2
12A81A0237	R32028	ELECTRICAL MEASUREMENTS LAB	24	48	2
12A81A0238	R32021	ELECTRICAL MACHINE DESIGN	24	57	4
12A81A0238	R32022	POWER SYSTEM ANALYSIS	23	31	4
12A81A0238	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	53	4
12A81A0238	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	33	4
12A81A0238	R32025	POWER SEMICONDUCTOR DRIVES	19	37	4
12A81A0238	R32026	MANAGEMENT SCIENCE	19	38	4
12A81A0238	R32027	POWER ELECTRONICS LAB	24	46	2
12A81A0238	R32028	ELECTRICAL MEASUREMENTS LAB	23	47	2
12A81A0239	R32021	ELECTRICAL MACHINE DESIGN	25	32	4
12A81A0239	R32022	POWER SYSTEM ANALYSIS	19	34	4
12A81A0239	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	52	4
12A81A0239	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	26	4
12A81A0239	R32025	POWER SEMICONDUCTOR DRIVES	19	52	4
12A81A0239	R32026	MANAGEMENT SCIENCE	21	37	4
12A81A0239	R32027	POWER ELECTRONICS LAB	23	47	2
12A81A0239	R32028	ELECTRICAL MEASUREMENTS LAB	23	46	2
12A81A0240	R32021	ELECTRICAL MACHINE DESIGN	20	12	0
12A81A0240	R32022	POWER SYSTEM ANALYSIS	17	17	0
12A81A0240	R32023	UTILIZATION OF ELECTRICAL ENERGY	15	46	4
12A81A0240	R32024	MICROPROCESSORS AND MICROCONTROLLER	14	34	4
12A81A0240	R32025	POWER SEMICONDUCTOR DRIVES	8	16	0
12A81A0240	R32026	MANAGEMENT SCIENCE	15	51	4
12A81A0240	R32027	POWER ELECTRONICS LAB	22	42	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0240	R32028	ELECTRICAL MEASUREMENTS LAB	19	40	2
12A81A0241	R32021	ELECTRICAL MACHINE DESIGN	22	31	4
12A81A0241	R32022	POWER SYSTEM ANALYSIS	20	26	4
12A81A0241	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	65	4
12A81A0241	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	38	4
12A81A0241	R32025	POWER SEMICONDUCTOR DRIVES	17	41	4
12A81A0241	R32026	MANAGEMENT SCIENCE	19	49	4
12A81A0241	R32027	POWER ELECTRONICS LAB	22	44	2
12A81A0241	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
12A81A0242	R32021	ELECTRICAL MACHINE DESIGN	24	45	4
12A81A0242	R32022	POWER SYSTEM ANALYSIS	24	34	4
12A81A0242	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	45	4
12A81A0242	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	39	4
12A81A0242	R32025	POWER SEMICONDUCTOR DRIVES	18	39	4
12A81A0242	R32026	MANAGEMENT SCIENCE	17	34	4
12A81A0242	R32027	POWER ELECTRONICS LAB	25	43	2
12A81A0242	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
12A81A0243	R32021	ELECTRICAL MACHINE DESIGN	25	48	4
12A81A0243	R32022	POWER SYSTEM ANALYSIS	24	48	4
12A81A0243	R32023	UTILIZATION OF ELECTRICAL ENERGY	25	52	4
12A81A0243	R32024	MICROPROCESSORS AND MICROCONTROLLER	25	44	4
12A81A0243	R32025	POWER SEMICONDUCTOR DRIVES	21	49	4
12A81A0243	R32026	MANAGEMENT SCIENCE	22	64	4
12A81A0243	R32027	POWER ELECTRONICS LAB	23	46	2
12A81A0243	R32028	ELECTRICAL MEASUREMENTS LAB	25	49	2
12A81A0245	R32021	ELECTRICAL MACHINE DESIGN	23	26	4
12A81A0245	R32022	POWER SYSTEM ANALYSIS	20	30	4
12A81A0245	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	42	4
12A81A0245	R32024	MICROPROCESSORS AND MICROCONTROLLER	14	31	4
12A81A0245	R32025	POWER SEMICONDUCTOR DRIVES	17	35	4
12A81A0245	R32026	MANAGEMENT SCIENCE	18	58	4
12A81A0245	R32027	POWER ELECTRONICS LAB	23	48	2
12A81A0245	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
12A81A0246	R32021	ELECTRICAL MACHINE DESIGN	21	33	4
12A81A0246	R32022	POWER SYSTEM ANALYSIS	23	59	4
12A81A0246	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	59	4
12A81A0246	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	49	4
12A81A0246	R32025	POWER SEMICONDUCTOR DRIVES	19	34	4
12A81A0246	R32026	MANAGEMENT SCIENCE	16	42	4
12A81A0246	R32027	POWER ELECTRONICS LAB	23	47	2
12A81A0246	R32028	ELECTRICAL MEASUREMENTS LAB	24	47	2
12A81A0247	R32021	ELECTRICAL MACHINE DESIGN	22	39	4
12A81A0247	R32022	POWER SYSTEM ANALYSIS	20	39	4
12A81A0247	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	48	4
12A81A0247	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	40	4
12A81A0247	R32025	POWER SEMICONDUCTOR DRIVES	17	15	0
12A81A0247	R32026	MANAGEMENT SCIENCE	19	26	4
12A81A0247	R32027	POWER ELECTRONICS LAB	24	46	2
12A81A0247	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
12A81A0248	R32021	ELECTRICAL MACHINE DESIGN	25	41	4
12A81A0248	R32022	POWER SYSTEM ANALYSIS	22	30	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0248	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	52	4
12A81A0248	R32024	MICROPROCESSORS AND MICROCONTROLLER	24	35	4
12A81A0248	R32025	POWER SEMICONDUCTOR DRIVES	22	34	4
12A81A0248	R32026	MANAGEMENT SCIENCE	20	45	4
12A81A0248	R32027	POWER ELECTRONICS LAB	23	47	2
12A81A0248	R32028	ELECTRICAL MEASUREMENTS LAB	23	48	2
12A81A0249	R32021	ELECTRICAL MACHINE DESIGN	25	26	4
12A81A0249	R32022	POWER SYSTEM ANALYSIS	20	34	4
12A81A0249	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	38	4
12A81A0249	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	16	0
12A81A0249	R32025	POWER SEMICONDUCTOR DRIVES	18	36	4
12A81A0249	R32026	MANAGEMENT SCIENCE	23	59	4
12A81A0249	R32027	POWER ELECTRONICS LAB	23	46	2
12A81A0249	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
12A81A0250	R32021	ELECTRICAL MACHINE DESIGN	22	41	4
12A81A0250	R32022	POWER SYSTEM ANALYSIS	23	71	4
12A81A0250	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	66	4
12A81A0250	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	39	4
12A81A0250	R32025	POWER SEMICONDUCTOR DRIVES	17	28	4
12A81A0250	R32026	MANAGEMENT SCIENCE	21	58	4
12A81A0250	R32027	POWER ELECTRONICS LAB	24	47	2
12A81A0250	R32028	ELECTRICAL MEASUREMENTS LAB	22	42	2
12A81A0251	R32021	ELECTRICAL MACHINE DESIGN	22	44	4
12A81A0251	R32022	POWER SYSTEM ANALYSIS	18	31	4
12A81A0251	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	50	4
12A81A0251	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	43	4
12A81A0251	R32025	POWER SEMICONDUCTOR DRIVES	23	31	4
12A81A0251	R32026	MANAGEMENT SCIENCE	19	32	4
12A81A0251	R32027	POWER ELECTRONICS LAB	23	45	2
12A81A0251	R32028	ELECTRICAL MEASUREMENTS LAB	24	48	2
12A81A0253	R32021	ELECTRICAL MACHINE DESIGN	22	43	4
12A81A0253	R32022	POWER SYSTEM ANALYSIS	16	43	4
12A81A0253	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	43	4
12A81A0253	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	40	4
12A81A0253	R32025	POWER SEMICONDUCTOR DRIVES	21	29	4
12A81A0253	R32026	MANAGEMENT SCIENCE	19	29	4
12A81A0253	R32027	POWER ELECTRONICS LAB	19	40	2
12A81A0253	R32028	ELECTRICAL MEASUREMENTS LAB	23	44	2
12A81A0254	R32021	ELECTRICAL MACHINE DESIGN	21	13	0
12A81A0254	R32022	POWER SYSTEM ANALYSIS	13	27	4
12A81A0254	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	42	4
12A81A0254	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	39	4
12A81A0254	R32025	POWER SEMICONDUCTOR DRIVES	23	34	4
12A81A0254	R32026	MANAGEMENT SCIENCE	19	38	4
12A81A0254	R32027	POWER ELECTRONICS LAB	21	47	2
12A81A0254	R32028	ELECTRICAL MEASUREMENTS LAB	23	47	2
12A81A0255	R32021	ELECTRICAL MACHINE DESIGN	25	44	4
12A81A0255	R32022	POWER SYSTEM ANALYSIS	22	61	4
12A81A0255	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	71	4
12A81A0255	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	63	4
12A81A0255	R32025	POWER SEMICONDUCTOR DRIVES	22	46	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0255	R32026	MANAGEMENT SCIENCE	21	55	4
12A81A0255	R32027	POWER ELECTRONICS LAB	20	48	2
12A81A0255	R32028	ELECTRICAL MEASUREMENTS LAB	24	49	2
12A81A0256	R32021	ELECTRICAL MACHINE DESIGN	21	50	4
12A81A0256	R32022	POWER SYSTEM ANALYSIS	18	29	4
12A81A0256	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	51	4
12A81A0256	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	43	4
12A81A0256	R32025	POWER SEMICONDUCTOR DRIVES	21	39	4
12A81A0256	R32026	MANAGEMENT SCIENCE	19	35	4
12A81A0256	R32027	POWER ELECTRONICS LAB	20	46	2
12A81A0256	R32028	ELECTRICAL MEASUREMENTS LAB	23	46	2
12A81A0257	R32021	ELECTRICAL MACHINE DESIGN	24	54	4
12A81A0257	R32022	POWER SYSTEM ANALYSIS	21	40	4
12A81A0257	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	54	4
12A81A0257	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	46	4
12A81A0257	R32025	POWER SEMICONDUCTOR DRIVES	23	17	0
12A81A0257	R32026	MANAGEMENT SCIENCE	23	51	4
12A81A0257	R32027	POWER ELECTRONICS LAB	23	47	2
12A81A0257	R32028	ELECTRICAL MEASUREMENTS LAB	23	47	2
12A81A0258	R32021	ELECTRICAL MACHINE DESIGN	22	39	4
12A81A0258	R32022	POWER SYSTEM ANALYSIS	19	31	4
12A81A0258	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	46	4
12A81A0258	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	37	4
12A81A0258	R32025	POWER SEMICONDUCTOR DRIVES	19	60	4
12A81A0258	R32026	MANAGEMENT SCIENCE	21	48	4
12A81A0258	R32027	POWER ELECTRONICS LAB	21	48	2
12A81A0258	R32028	ELECTRICAL MEASUREMENTS LAB	22	46	2
12A81A0259	R32021	ELECTRICAL MACHINE DESIGN	24	33	4
12A81A0259	R32022	POWER SYSTEM ANALYSIS	23	45	4
12A81A0259	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	70	4
12A81A0259	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	50	4
12A81A0259	R32025	POWER SEMICONDUCTOR DRIVES	25	39	4
12A81A0259	R32026	MANAGEMENT SCIENCE	22	41	4
12A81A0259	R32027	POWER ELECTRONICS LAB	21	45	2
12A81A0259	R32028	ELECTRICAL MEASUREMENTS LAB	23	48	2
12A81A0260	R32021	ELECTRICAL MACHINE DESIGN	10	9	0
12A81A0260	R32022	POWER SYSTEM ANALYSIS	2	0	0
12A81A0260	R32023	UTILIZATION OF ELECTRICAL ENERGY	12	11	0
12A81A0260	R32024	MICROPROCESSORS AND MICROCONTROLLER	0	8	0
12A81A0260	R32025	POWER SEMICONDUCTOR DRIVES	11	0	0
12A81A0260	R32026	MANAGEMENT SCIENCE	13	2	0
12A81A0260	R32027	POWER ELECTRONICS LAB	22	43	2
12A81A0260	R32028	ELECTRICAL MEASUREMENTS LAB	22	48	2
12A81A0261	R32021	ELECTRICAL MACHINE DESIGN	22	35	4
12A81A0261	R32022	POWER SYSTEM ANALYSIS	20	37	4
12A81A0261	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	52	4
12A81A0261	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	26	4
12A81A0261	R32025	POWER SEMICONDUCTOR DRIVES	20	34	4
12A81A0261	R32026	MANAGEMENT SCIENCE	19	8	0
12A81A0261	R32027	POWER ELECTRONICS LAB	20	48	2
12A81A0261	R32028	ELECTRICAL MEASUREMENTS LAB	18	40	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0262	R32021	ELECTRICAL MACHINE DESIGN	20	26	4
12A81A0262	R32022	POWER SYSTEM ANALYSIS	15	26	4
12A81A0262	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	46	4
12A81A0262	R32024	MICROPROCESSORS AND MICROCONTROLLER	14	29	4
12A81A0262	R32025	POWER SEMICONDUCTOR DRIVES	22	11	0
12A81A0262	R32026	MANAGEMENT SCIENCE	17	51	4
12A81A0262	R32027	POWER ELECTRONICS LAB	21	47	2
12A81A0262	R32028	ELECTRICAL MEASUREMENTS LAB	21	45	2
12A81A0263	R32021	ELECTRICAL MACHINE DESIGN	23	39	4
12A81A0263	R32022	POWER SYSTEM ANALYSIS	13	33	4
12A81A0263	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	59	4
12A81A0263	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	40	4
12A81A0263	R32025	POWER SEMICONDUCTOR DRIVES	22	49	4
12A81A0263	R32026	MANAGEMENT SCIENCE	18	49	4
12A81A0263	R32027	POWER ELECTRONICS LAB	22	48	2
12A81A0263	R32028	ELECTRICAL MEASUREMENTS LAB	23	48	2
12A81A0264	R32021	ELECTRICAL MACHINE DESIGN	22	54	4
12A81A0264	R32022	POWER SYSTEM ANALYSIS	25	57	4
12A81A0264	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	54	4
12A81A0264	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	43	4
12A81A0264	R32025	POWER SEMICONDUCTOR DRIVES	23	53	4
12A81A0264	R32026	MANAGEMENT SCIENCE	20	46	4
12A81A0264	R32027	POWER ELECTRONICS LAB	22	48	2
12A81A0264	R32028	ELECTRICAL MEASUREMENTS LAB	25	49	2
12A81A0265	R32021	ELECTRICAL MACHINE DESIGN	19	45	4
12A81A0265	R32022	POWER SYSTEM ANALYSIS	17	44	4
12A81A0265	R32023	UTILIZATION OF ELECTRICAL ENERGY	25	57	4
12A81A0265	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	26	4
12A81A0265	R32025	POWER SEMICONDUCTOR DRIVES	22	15	0
12A81A0265	R32026	MANAGEMENT SCIENCE	18	28	4
12A81A0265	R32027	POWER ELECTRONICS LAB	22	47	2
12A81A0265	R32028	ELECTRICAL MEASUREMENTS LAB	23	44	2
12A81A0266	R32021	ELECTRICAL MACHINE DESIGN	23	26	4
12A81A0266	R32022	POWER SYSTEM ANALYSIS	20	34	4
12A81A0266	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	51	4
12A81A0266	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	41	4
12A81A0266	R32025	POWER SEMICONDUCTOR DRIVES	24	35	4
12A81A0266	R32026	MANAGEMENT SCIENCE	22	42	4
12A81A0266	R32027	POWER ELECTRONICS LAB	23	48	2
12A81A0266	R32028	ELECTRICAL MEASUREMENTS LAB	22	47	2
12A81A0267	R32021	ELECTRICAL MACHINE DESIGN	24	33	4
12A81A0267	R32022	POWER SYSTEM ANALYSIS	18	15	0
12A81A0267	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	70	4
12A81A0267	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	47	4
12A81A0267	R32025	POWER SEMICONDUCTOR DRIVES	23	27	4
12A81A0267	R32026	MANAGEMENT SCIENCE	23	49	4
12A81A0267	R32027	POWER ELECTRONICS LAB	22	49	2
12A81A0267	R32028	ELECTRICAL MEASUREMENTS LAB	22	46	2
12A81A0268	R32021	ELECTRICAL MACHINE DESIGN	18	26	4
12A81A0268	R32022	POWER SYSTEM ANALYSIS	15	15	0
12A81A0268	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	39	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0268	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	9	0
12A81A0268	R32025	POWER SEMICONDUCTOR DRIVES	22	18	0
12A81A0268	R32026	MANAGEMENT SCIENCE	16	31	4
12A81A0268	R32027	POWER ELECTRONICS LAB	21	47	2
12A81A0268	R32028	ELECTRICAL MEASUREMENTS LAB	22	45	2
12A81A0270	R32021	ELECTRICAL MACHINE DESIGN	17	32	4
12A81A0270	R32022	POWER SYSTEM ANALYSIS	17	27	4
12A81A0270	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	46	4
12A81A0270	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	12	0
12A81A0270	R32025	POWER SEMICONDUCTOR DRIVES	21	7	0
12A81A0270	R32026	MANAGEMENT SCIENCE	17	33	4
12A81A0270	R32027	POWER ELECTRONICS LAB	21	48	2
12A81A0270	R32028	ELECTRICAL MEASUREMENTS LAB	21	42	2
12A81A0271	R32021	ELECTRICAL MACHINE DESIGN	16	11	0
12A81A0271	R32022	POWER SYSTEM ANALYSIS	16	9	0
12A81A0271	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	49	4
12A81A0271	R32024	MICROPROCESSORS AND MICROCONTROLLER	15	32	4
12A81A0271	R32025	POWER SEMICONDUCTOR DRIVES	22	35	4
12A81A0271	R32026	MANAGEMENT SCIENCE	15	30	4
12A81A0271	R32027	POWER ELECTRONICS LAB	19	46	2
12A81A0271	R32028	ELECTRICAL MEASUREMENTS LAB	21	42	2
12A81A0272	R32021	ELECTRICAL MACHINE DESIGN	22	29	4
12A81A0272	R32022	POWER SYSTEM ANALYSIS	17	26	4
12A81A0272	R32023	UTILIZATION OF ELECTRICAL ENERGY	15	52	4
12A81A0272	R32024	MICROPROCESSORS AND MICROCONTROLLER	10	16	0
12A81A0272	R32025	POWER SEMICONDUCTOR DRIVES	15	37	4
12A81A0272	R32026	MANAGEMENT SCIENCE	10	19	0
12A81A0272	R32027	POWER ELECTRONICS LAB	16	47	2
12A81A0272	R32028	ELECTRICAL MEASUREMENTS LAB	22	48	2
12A81A0274	R32021	ELECTRICAL MACHINE DESIGN	20	38	4
12A81A0274	R32022	POWER SYSTEM ANALYSIS	17	32	4
12A81A0274	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	44	4
12A81A0274	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	36	4
12A81A0274	R32025	POWER SEMICONDUCTOR DRIVES	20	34	4
12A81A0274	R32026	MANAGEMENT SCIENCE	21	44	4
12A81A0274	R32027	POWER ELECTRONICS LAB	21	47	2
12A81A0274	R32028	ELECTRICAL MEASUREMENTS LAB	22	46	2
12A81A0275	R32021	ELECTRICAL MACHINE DESIGN	25	49	4
12A81A0275	R32022	POWER SYSTEM ANALYSIS	24	46	4
12A81A0275	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	64	4
12A81A0275	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	38	4
12A81A0275	R32025	POWER SEMICONDUCTOR DRIVES	25	50	4
12A81A0275	R32026	MANAGEMENT SCIENCE	23	42	4
12A81A0275	R32027	POWER ELECTRONICS LAB	22	48	2
12A81A0275	R32028	ELECTRICAL MEASUREMENTS LAB	23	48	2
12A81A0276	R32021	ELECTRICAL MACHINE DESIGN	25	39	4
12A81A0276	R32022	POWER SYSTEM ANALYSIS	20	38	4
12A81A0276	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	54	4
12A81A0276	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	50	4
12A81A0276	R32025	POWER SEMICONDUCTOR DRIVES	25	75	4
12A81A0276	R32026	MANAGEMENT SCIENCE	19	55	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0276	R32027	POWER ELECTRONICS LAB	22	48	2
12A81A0276	R32028	ELECTRICAL MEASUREMENTS LAB	24	49	2
12A81A0277	R32021	ELECTRICAL MACHINE DESIGN	23	47	4
12A81A0277	R32022	POWER SYSTEM ANALYSIS	17	51	4
12A81A0277	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	65	4
12A81A0277	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	56	4
12A81A0277	R32025	POWER SEMICONDUCTOR DRIVES	25	28	4
12A81A0277	R32026	MANAGEMENT SCIENCE	21	33	4
12A81A0277	R32027	POWER ELECTRONICS LAB	22	47	2
12A81A0277	R32028	ELECTRICAL MEASUREMENTS LAB	24	49	2
12A81A0278	R32021	ELECTRICAL MACHINE DESIGN	15	33	4
12A81A0278	R32022	POWER SYSTEM ANALYSIS	11	10	0
12A81A0278	R32023	UTILIZATION OF ELECTRICAL ENERGY	13	32	4
12A81A0278	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	43	4
12A81A0278	R32025	POWER SEMICONDUCTOR DRIVES	21	0	0
12A81A0278	R32026	MANAGEMENT SCIENCE	11	16	0
12A81A0278	R32027	POWER ELECTRONICS LAB	15	40	2
12A81A0278	R32028	ELECTRICAL MEASUREMENTS LAB	22	45	2
12A81A0279	R32021	ELECTRICAL MACHINE DESIGN	20	47	4
12A81A0279	R32022	POWER SYSTEM ANALYSIS	20	31	4
12A81A0279	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	64	4
12A81A0279	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	35	4
12A81A0279	R32025	POWER SEMICONDUCTOR DRIVES	24	47	4
12A81A0279	R32026	MANAGEMENT SCIENCE	22	58	4
12A81A0279	R32027	POWER ELECTRONICS LAB	22	47	2
12A81A0279	R32028	ELECTRICAL MEASUREMENTS LAB	23	46	2
12A81A0280	R32021	ELECTRICAL MACHINE DESIGN	16	26	4
12A81A0280	R32022	POWER SYSTEM ANALYSIS	25	13	0
12A81A0280	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	30	4
12A81A0280	R32024	MICROPROCESSORS AND MICROCONTROLLER	23	39	4
12A81A0280	R32025	POWER SEMICONDUCTOR DRIVES	23	59	4
12A81A0280	R32026	MANAGEMENT SCIENCE	22	32	4
12A81A0280	R32027	POWER ELECTRONICS LAB	17	48	2
12A81A0280	R32028	ELECTRICAL MEASUREMENTS LAB	23	48	2
12A81A0281	R32021	ELECTRICAL MACHINE DESIGN	21	35	4
12A81A0281	R32022	POWER SYSTEM ANALYSIS	18	65	4
12A81A0281	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	55	4
12A81A0281	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	38	4
12A81A0281	R32025	POWER SEMICONDUCTOR DRIVES	22	29	4
12A81A0281	R32026	MANAGEMENT SCIENCE	19	39	4
12A81A0281	R32027	POWER ELECTRONICS LAB	21	47	2
12A81A0281	R32028	ELECTRICAL MEASUREMENTS LAB	23	47	2
12A81A0282	R32021	ELECTRICAL MACHINE DESIGN	23	45	4
12A81A0282	R32022	POWER SYSTEM ANALYSIS	21	34	4
12A81A0282	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	47	4
12A81A0282	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	47	4
12A81A0282	R32025	POWER SEMICONDUCTOR DRIVES	25	49	4
12A81A0282	R32026	MANAGEMENT SCIENCE	22	36	4
12A81A0282	R32027	POWER ELECTRONICS LAB	22	46	2
12A81A0282	R32028	ELECTRICAL MEASUREMENTS LAB	23	48	2
12A81A0283	R32021	ELECTRICAL MACHINE DESIGN	24	54	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0283	R32022	POWER SYSTEM ANALYSIS	20	27	4
12A81A0283	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	67	4
12A81A0283	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	38	4
12A81A0283	R32025	POWER SEMICONDUCTOR DRIVES	24	30	4
12A81A0283	R32026	MANAGEMENT SCIENCE	20	34	4
12A81A0283	R32027	POWER ELECTRONICS LAB	22	44	2
12A81A0283	R32028	ELECTRICAL MEASUREMENTS LAB	22	42	2
12A81A0284	R32021	ELECTRICAL MACHINE DESIGN	22	45	4
12A81A0284	R32022	POWER SYSTEM ANALYSIS	17	30	4
12A81A0284	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	50	4
12A81A0284	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	44	4
12A81A0284	R32025	POWER SEMICONDUCTOR DRIVES	24	69	4
12A81A0284	R32026	MANAGEMENT SCIENCE	20	52	4
12A81A0284	R32027	POWER ELECTRONICS LAB	21	46	2
12A81A0284	R32028	ELECTRICAL MEASUREMENTS LAB	24	49	2
12A81A0285	R32021	ELECTRICAL MACHINE DESIGN	21	28	4
12A81A0285	R32022	POWER SYSTEM ANALYSIS	13	27	4
12A81A0285	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	60	4
12A81A0285	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	41	4
12A81A0285	R32025	POWER SEMICONDUCTOR DRIVES	23	28	4
12A81A0285	R32026	MANAGEMENT SCIENCE	19	33	4
12A81A0285	R32027	POWER ELECTRONICS LAB	21	47	2
12A81A0285	R32028	ELECTRICAL MEASUREMENTS LAB	22	42	2
12A81A0286	R32021	ELECTRICAL MACHINE DESIGN	24	41	4
12A81A0286	R32022	POWER SYSTEM ANALYSIS	15	15	0
12A81A0286	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	43	4
12A81A0286	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	32	4
12A81A0286	R32025	POWER SEMICONDUCTOR DRIVES	22	31	4
12A81A0286	R32026	MANAGEMENT SCIENCE	20	28	4
12A81A0286	R32027	POWER ELECTRONICS LAB	21	49	2
12A81A0286	R32028	ELECTRICAL MEASUREMENTS LAB	23	46	2
12A81A0287	R32021	ELECTRICAL MACHINE DESIGN	23	41	4
12A81A0287	R32022	POWER SYSTEM ANALYSIS	14	31	4
12A81A0287	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	53	4
12A81A0287	R32024	MICROPROCESSORS AND MICROCONTROLLER	15	33	4
12A81A0287	R32025	POWER SEMICONDUCTOR DRIVES	22	16	0
12A81A0287	R32026	MANAGEMENT SCIENCE	20	32	4
12A81A0287	R32027	POWER ELECTRONICS LAB	20	47	2
12A81A0287	R32028	ELECTRICAL MEASUREMENTS LAB	23	47	2
12A81A0288	R32021	ELECTRICAL MACHINE DESIGN	25	42	4
12A81A0288	R32022	POWER SYSTEM ANALYSIS	21	26	4
12A81A0288	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	49	4
12A81A0288	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	44	4
12A81A0288	R32025	POWER SEMICONDUCTOR DRIVES	23	48	4
12A81A0288	R32026	MANAGEMENT SCIENCE	22	52	4
12A81A0288	R32027	POWER ELECTRONICS LAB	22	48	2
12A81A0288	R32028	ELECTRICAL MEASUREMENTS LAB	23	47	2
12A81A0289	R32021	ELECTRICAL MACHINE DESIGN	24	41	4
12A81A0289	R32022	POWER SYSTEM ANALYSIS	18	50	4
12A81A0289	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	65	4
12A81A0289	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	44	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0289	R32025	POWER SEMICONDUCTOR DRIVES	22	33	4
12A81A0289	R32026	MANAGEMENT SCIENCE	18	30	4
12A81A0289	R32027	POWER ELECTRONICS LAB	22	48	2
12A81A0289	R32028	ELECTRICAL MEASUREMENTS LAB	24	48	2
12A81A0291	R32021	ELECTRICAL MACHINE DESIGN	18	11	0
12A81A0291	R32022	POWER SYSTEM ANALYSIS	13	18	0
12A81A0291	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	26	4
12A81A0291	R32024	MICROPROCESSORS AND MICROCONTROLLER	14	26	4
12A81A0291	R32025	POWER SEMICONDUCTOR DRIVES	15	6	0
12A81A0291	R32026	MANAGEMENT SCIENCE	14	26	4
12A81A0291	R32027	POWER ELECTRONICS LAB	21	47	2
12A81A0291	R32028	ELECTRICAL MEASUREMENTS LAB	18	42	2
12A81A0292	R32021	ELECTRICAL MACHINE DESIGN	20	52	4
12A81A0292	R32022	POWER SYSTEM ANALYSIS	14	36	4
12A81A0292	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	58	4
12A81A0292	R32024	MICROPROCESSORS AND MICROCONTROLLER	15	40	4
12A81A0292	R32025	POWER SEMICONDUCTOR DRIVES	20	30	4
12A81A0292	R32026	MANAGEMENT SCIENCE	17	40	4
12A81A0292	R32027	POWER ELECTRONICS LAB	18	47	2
12A81A0292	R32028	ELECTRICAL MEASUREMENTS LAB	23	47	2
12A81A0293	R32021	ELECTRICAL MACHINE DESIGN	19	13	0
12A81A0293	R32022	POWER SYSTEM ANALYSIS	11	29	4
12A81A0293	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	33	4
12A81A0293	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	37	4
12A81A0293	R32025	POWER SEMICONDUCTOR DRIVES	21	26	4
12A81A0293	R32026	MANAGEMENT SCIENCE	14	41	4
12A81A0293	R32027	POWER ELECTRONICS LAB	22	48	2
12A81A0293	R32028	ELECTRICAL MEASUREMENTS LAB	21	47	2
12A81A0294	R32021	ELECTRICAL MACHINE DESIGN	24	39	4
12A81A0294	R32022	POWER SYSTEM ANALYSIS	16	37	4
12A81A0294	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	62	4
12A81A0294	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	34	4
12A81A0294	R32025	POWER SEMICONDUCTOR DRIVES	23	29	4
12A81A0294	R32026	MANAGEMENT SCIENCE	17	32	4
12A81A0294	R32027	POWER ELECTRONICS LAB	22	46	2
12A81A0294	R32028	ELECTRICAL MEASUREMENTS LAB	21	44	2
12A81A0301	R32031	METROLOGY	20	29	4
12A81A0301	R32032	ROBOTICS	17	37	4
12A81A0301	R32033	HEAT TRANSFER	23	40	4
12A81A0301	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	53	4
12A81A0301	R32035	DESIGN OF MACHINE MEMBERS_II	21	26	4
12A81A0301	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	1	0
12A81A0301	R32037	METROLOGY & INSTRUMENTATION LAB	24	40	2
12A81A0301	R32038	HEAT TRANSFER LAB	22	43	2
12A81A0302	R32031	METROLOGY	14	17	0
12A81A0302	R32032	ROBOTICS	4	38	4
12A81A0302	R32033	HEAT TRANSFER	11	30	4
12A81A0302	R32034	INSTRUMENTATION & CONTROL SYSTEMS	12	28	4
12A81A0302	R32035	DESIGN OF MACHINE MEMBERS_II	16	31	4
12A81A0302	R32036	INDUSTRIAL ENGG. & MANAGEMENT	11	33	4
12A81A0302	R32037	METROLOGY & INSTRUMENTATION LAB	17	40	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0302	R32038	HEAT TRANSFER LAB	12	36	2
12A81A0303	R32031	METROLOGY	19	62	4
12A81A0303	R32032	ROBOTICS	19	40	4
12A81A0303	R32033	HEAT TRANSFER	18	29	4
12A81A0303	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	36	4
12A81A0303	R32035	DESIGN OF MACHINE MEMBERS_II	16	40	4
12A81A0303	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	40	4
12A81A0303	R32037	METROLOGY & INSTRUMENTATION LAB	23	40	2
12A81A0303	R32038	HEAT TRANSFER LAB	16	37	2
12A81A0304	R32031	METROLOGY	21	50	4
12A81A0304	R32032	ROBOTICS	21	52	4
12A81A0304	R32033	HEAT TRANSFER	24	29	4
12A81A0304	R32034	INSTRUMENTATION & CONTROL SYSTEMS	24	36	4
12A81A0304	R32035	DESIGN OF MACHINE MEMBERS_II	21	47	4
12A81A0304	R32036	INDUSTRIAL ENGG. & MANAGEMENT	24	46	4
12A81A0304	R32037	METROLOGY & INSTRUMENTATION LAB	23	48	2
12A81A0304	R32038	HEAT TRANSFER LAB	23	42	2
12A81A0305	R32031	METROLOGY	14	26	4
12A81A0305	R32032	ROBOTICS	14	27	4
12A81A0305	R32033	HEAT TRANSFER	19	10	0
12A81A0305	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	36	4
12A81A0305	R32035	DESIGN OF MACHINE MEMBERS_II	19	12	0
12A81A0305	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	37	4
12A81A0305	R32037	METROLOGY & INSTRUMENTATION LAB	18	45	2
12A81A0305	R32038	HEAT TRANSFER LAB	17	36	2
12A81A0306	R32031	METROLOGY	17	16	0
12A81A0306	R32032	ROBOTICS	6	55	4
12A81A0306	R32033	HEAT TRANSFER	10	13	0
12A81A0306	R32034	INSTRUMENTATION & CONTROL SYSTEMS	7	16	0
12A81A0306	R32035	DESIGN OF MACHINE MEMBERS_II	19	9	0
12A81A0306	R32036	INDUSTRIAL ENGG. & MANAGEMENT	13	45	4
12A81A0306	R32037	METROLOGY & INSTRUMENTATION LAB	15	36	2
12A81A0306	R32038	HEAT TRANSFER LAB	20	33	2
12A81A0307	R32031	METROLOGY	14	46	4
12A81A0307	R32032	ROBOTICS	9	39	4
12A81A0307	R32033	HEAT TRANSFER	7	18	0
12A81A0307	R32034	INSTRUMENTATION & CONTROL SYSTEMS	2	40	4
12A81A0307	R32035	DESIGN OF MACHINE MEMBERS_II	3	13	0
12A81A0307	R32036	INDUSTRIAL ENGG. & MANAGEMENT	5	43	4
12A81A0307	R32037	METROLOGY & INSTRUMENTATION LAB	12	35	2
12A81A0307	R32038	HEAT TRANSFER LAB	12	-1	0
12A81A0308	R32031	METROLOGY	15	57	4
12A81A0308	R32032	ROBOTICS	12	51	4
12A81A0308	R32033	HEAT TRANSFER	9	31	4
12A81A0308	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	37	4
12A81A0308	R32035	DESIGN OF MACHINE MEMBERS_II	13	53	4
12A81A0308	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	42	4
12A81A0308	R32037	METROLOGY & INSTRUMENTATION LAB	24	48	2
12A81A0308	R32038	HEAT TRANSFER LAB	21	46	2
12A81A0309	R32031	METROLOGY	20	29	4
12A81A0309	R32032	ROBOTICS	16	40	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0309	R32033	HEAT TRANSFER	15	37	4
12A81A0309	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	16	0
12A81A0309	R32035	DESIGN OF MACHINE MEMBERS_II	11	40	4
12A81A0309	R32036	INDUSTRIAL ENGG. & MANAGEMENT	12	39	4
12A81A0309	R32037	METROLOGY & INSTRUMENTATION LAB	24	48	2
12A81A0309	R32038	HEAT TRANSFER LAB	19	38	2
12A81A0311	R32031	METROLOGY	18	26	4
12A81A0311	R32032	ROBOTICS	18	38	4
12A81A0311	R32033	HEAT TRANSFER	22	41	4
12A81A0311	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	36	4
12A81A0311	R32035	DESIGN OF MACHINE MEMBERS_II	20	31	4
12A81A0311	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	31	4
12A81A0311	R32037	METROLOGY & INSTRUMENTATION LAB	20	44	2
12A81A0311	R32038	HEAT TRANSFER LAB	20	42	2
12A81A0312	R32031	METROLOGY	17	57	4
12A81A0312	R32032	ROBOTICS	19	33	4
12A81A0312	R32033	HEAT TRANSFER	20	39	4
12A81A0312	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	48	4
12A81A0312	R32035	DESIGN OF MACHINE MEMBERS_II	13	53	4
12A81A0312	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	43	4
12A81A0312	R32037	METROLOGY & INSTRUMENTATION LAB	21	46	2
12A81A0312	R32038	HEAT TRANSFER LAB	20	40	2
12A81A0313	R32031	METROLOGY	19	58	4
12A81A0313	R32032	ROBOTICS	20	55	4
12A81A0313	R32033	HEAT TRANSFER	16	42	4
12A81A0313	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	35	4
12A81A0313	R32035	DESIGN OF MACHINE MEMBERS_II	18	41	4
12A81A0313	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	51	4
12A81A0313	R32037	METROLOGY & INSTRUMENTATION LAB	19	48	2
12A81A0313	R32038	HEAT TRANSFER LAB	18	46	2
12A81A0314	R32031	METROLOGY	10	30	4
12A81A0314	R32032	ROBOTICS	13	38	4
12A81A0314	R32033	HEAT TRANSFER	8	19	0
12A81A0314	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	27	4
12A81A0314	R32035	DESIGN OF MACHINE MEMBERS_II	13	11	0
12A81A0314	R32036	INDUSTRIAL ENGG. & MANAGEMENT	12	45	4
12A81A0314	R32037	METROLOGY & INSTRUMENTATION LAB	22	40	2
12A81A0314	R32038	HEAT TRANSFER LAB	18	37	2
12A81A0315	R32031	METROLOGY	10	0	0
12A81A0315	R32032	ROBOTICS	3	0	0
12A81A0315	R32033	HEAT TRANSFER	4	0	0
12A81A0315	R32034	INSTRUMENTATION & CONTROL SYSTEMS	2	0	0
12A81A0315	R32035	DESIGN OF MACHINE MEMBERS_II	3	9	0
12A81A0315	R32036	INDUSTRIAL ENGG. & MANAGEMENT	5	2	0
12A81A0315	R32037	METROLOGY & INSTRUMENTATION LAB	7	-1	0
12A81A0315	R32038	HEAT TRANSFER LAB	12	-1	0
12A81A0316	R32031	METROLOGY	13	27	4
12A81A0316	R32032	ROBOTICS	12	36	4
12A81A0316	R32033	HEAT TRANSFER	9	12	0
12A81A0316	R32034	INSTRUMENTATION & CONTROL SYSTEMS	7	11	0
12A81A0316	R32035	DESIGN OF MACHINE MEMBERS_II	12	28	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0316	R32036	INDUSTRIAL ENGG. & MANAGEMENT	6	34	4
12A81A0316	R32037	METROLOGY & INSTRUMENTATION LAB	19	42	2
12A81A0316	R32038	HEAT TRANSFER LAB	12	28	2
12A81A0317	R32031	METROLOGY	12	1	0
12A81A0317	R32032	ROBOTICS	13	43	4
12A81A0317	R32033	HEAT TRANSFER	15	9	0
12A81A0317	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	18	0
12A81A0317	R32035	DESIGN OF MACHINE MEMBERS_II	18	38	4
12A81A0317	R32036	INDUSTRIAL ENGG. & MANAGEMENT	8	13	0
12A81A0317	R32037	METROLOGY & INSTRUMENTATION LAB	14	38	2
12A81A0317	R32038	HEAT TRANSFER LAB	12	-1	0
12A81A0319	R32031	METROLOGY	15	31	4
12A81A0319	R32032	ROBOTICS	19	35	4
12A81A0319	R32033	HEAT TRANSFER	14	37	4
12A81A0319	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	45	4
12A81A0319	R32035	DESIGN OF MACHINE MEMBERS_II	13	27	4
12A81A0319	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	46	4
12A81A0319	R32037	METROLOGY & INSTRUMENTATION LAB	16	43	2
12A81A0319	R32038	HEAT TRANSFER LAB	14	34	2
12A81A0320	R32031	METROLOGY	17	26	4
12A81A0320	R32032	ROBOTICS	19	42	4
12A81A0320	R32033	HEAT TRANSFER	20	43	4
12A81A0320	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	29	4
12A81A0320	R32035	DESIGN OF MACHINE MEMBERS_II	20	26	4
12A81A0320	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	39	4
12A81A0320	R32037	METROLOGY & INSTRUMENTATION LAB	22	45	2
12A81A0320	R32038	HEAT TRANSFER LAB	17	40	2
12A81A0321	R32031	METROLOGY	19	54	4
12A81A0321	R32032	ROBOTICS	21	47	4
12A81A0321	R32033	HEAT TRANSFER	21	43	4
12A81A0321	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	55	4
12A81A0321	R32035	DESIGN OF MACHINE MEMBERS_II	16	52	4
12A81A0321	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	43	4
12A81A0321	R32037	METROLOGY & INSTRUMENTATION LAB	23	48	2
12A81A0321	R32038	HEAT TRANSFER LAB	18	40	2
12A81A0322	R32031	METROLOGY	11	40	4
12A81A0322	R32032	ROBOTICS	19	44	4
12A81A0322	R32033	HEAT TRANSFER	12	28	4
12A81A0322	R32034	INSTRUMENTATION & CONTROL SYSTEMS	7	33	4
12A81A0322	R32035	DESIGN OF MACHINE MEMBERS_II	17	54	4
12A81A0322	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	50	4
12A81A0322	R32037	METROLOGY & INSTRUMENTATION LAB	15	43	2
12A81A0322	R32038	HEAT TRANSFER LAB	19	40	2
12A81A0323	R32031	METROLOGY	15	30	4
12A81A0323	R32032	ROBOTICS	14	35	4
12A81A0323	R32033	HEAT TRANSFER	12	0	0
12A81A0323	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	32	4
12A81A0323	R32035	DESIGN OF MACHINE MEMBERS_II	20	10	0
12A81A0323	R32036	INDUSTRIAL ENGG. & MANAGEMENT	11	40	4
12A81A0323	R32037	METROLOGY & INSTRUMENTATION LAB	17	38	2
12A81A0323	R32038	HEAT TRANSFER LAB	18	38	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0324	R32031	METROLOGY	24	33	4
12A81A0324	R32032	ROBOTICS	24	62	4
12A81A0324	R32033	HEAT TRANSFER	22	52	4
12A81A0324	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	52	4
12A81A0324	R32035	DESIGN OF MACHINE MEMBERS_II	19	40	4
12A81A0324	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	47	4
12A81A0324	R32037	METROLOGY & INSTRUMENTATION LAB	23	48	2
12A81A0324	R32038	HEAT TRANSFER LAB	21	44	2
12A81A0325	R32031	METROLOGY	21	64	4
12A81A0325	R32032	ROBOTICS	23	44	4
12A81A0325	R32033	HEAT TRANSFER	22	59	4
12A81A0325	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	40	4
12A81A0325	R32035	DESIGN OF MACHINE MEMBERS_II	17	49	4
12A81A0325	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	30	4
12A81A0325	R32037	METROLOGY & INSTRUMENTATION LAB	24	49	2
12A81A0325	R32038	HEAT TRANSFER LAB	21	47	2
12A81A0326	R32031	METROLOGY	18	45	4
12A81A0326	R32032	ROBOTICS	16	48	4
12A81A0326	R32033	HEAT TRANSFER	18	12	0
12A81A0326	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	26	4
12A81A0326	R32035	DESIGN OF MACHINE MEMBERS_II	18	49	4
12A81A0326	R32036	INDUSTRIAL ENGG. & MANAGEMENT	12	50	4
12A81A0326	R32037	METROLOGY & INSTRUMENTATION LAB	21	35	2
12A81A0326	R32038	HEAT TRANSFER LAB	20	33	2
12A81A0327	R32031	METROLOGY	14	46	4
12A81A0327	R32032	ROBOTICS	17	37	4
12A81A0327	R32033	HEAT TRANSFER	10	12	0
12A81A0327	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	38	4
12A81A0327	R32035	DESIGN OF MACHINE MEMBERS_II	16	11	0
12A81A0327	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	4	0
12A81A0327	R32037	METROLOGY & INSTRUMENTATION LAB	14	42	2
12A81A0327	R32038	HEAT TRANSFER LAB	15	32	2
12A81A0328	R32031	METROLOGY	15	14	0
12A81A0328	R32032	ROBOTICS	13	37	4
12A81A0328	R32033	HEAT TRANSFER	8	17	0
12A81A0328	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	30	4
12A81A0328	R32035	DESIGN OF MACHINE MEMBERS_II	11	30	4
12A81A0328	R32036	INDUSTRIAL ENGG. & MANAGEMENT	9	39	4
12A81A0328	R32037	METROLOGY & INSTRUMENTATION LAB	17	41	2
12A81A0328	R32038	HEAT TRANSFER LAB	14	37	2
12A81A0329	R32031	METROLOGY	15	45	4
12A81A0329	R32032	ROBOTICS	16	26	4
12A81A0329	R32033	HEAT TRANSFER	10	30	4
12A81A0329	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	29	4
12A81A0329	R32035	DESIGN OF MACHINE MEMBERS_II	20	35	4
12A81A0329	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	28	4
12A81A0329	R32037	METROLOGY & INSTRUMENTATION LAB	17	40	2
12A81A0329	R32038	HEAT TRANSFER LAB	19	31	2
12A81A0330	R32031	METROLOGY	17	47	4
12A81A0330	R32032	ROBOTICS	15	43	4
12A81A0330	R32033	HEAT TRANSFER	16	26	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0330	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	29	4
12A81A0330	R32035	DESIGN OF MACHINE MEMBERS_II	14	38	4
12A81A0330	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	32	4
12A81A0330	R32037	METROLOGY & INSTRUMENTATION LAB	17	39	2
12A81A0330	R32038	HEAT TRANSFER LAB	23	40	2
12A81A0331	R32031	METROLOGY	13	29	4
12A81A0331	R32032	ROBOTICS	17	35	4
12A81A0331	R32033	HEAT TRANSFER	16	26	4
12A81A0331	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	0	0
12A81A0331	R32035	DESIGN OF MACHINE MEMBERS_II	21	5	0
12A81A0331	R32036	INDUSTRIAL ENGG. & MANAGEMENT	10	24	0
12A81A0331	R32037	METROLOGY & INSTRUMENTATION LAB	17	46	2
12A81A0331	R32038	HEAT TRANSFER LAB	17	36	2
12A81A0332	R32031	METROLOGY	21	32	4
12A81A0332	R32032	ROBOTICS	20	54	4
12A81A0332	R32033	HEAT TRANSFER	21	65	4
12A81A0332	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	36	4
12A81A0332	R32035	DESIGN OF MACHINE MEMBERS_II	22	40	4
12A81A0332	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	41	4
12A81A0332	R32037	METROLOGY & INSTRUMENTATION LAB	21	47	2
12A81A0332	R32038	HEAT TRANSFER LAB	19	45	2
12A81A0333	R32031	METROLOGY	20	63	4
12A81A0333	R32032	ROBOTICS	22	47	4
12A81A0333	R32033	HEAT TRANSFER	20	58	4
12A81A0333	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	43	4
12A81A0333	R32035	DESIGN OF MACHINE MEMBERS_II	20	59	4
12A81A0333	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	29	4
12A81A0333	R32037	METROLOGY & INSTRUMENTATION LAB	24	49	2
12A81A0333	R32038	HEAT TRANSFER LAB	23	47	2
12A81A0334	R32031	METROLOGY	20	59	4
12A81A0334	R32032	ROBOTICS	20	57	4
12A81A0334	R32033	HEAT TRANSFER	14	33	4
12A81A0334	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	43	4
12A81A0334	R32035	DESIGN OF MACHINE MEMBERS_II	20	57	4
12A81A0334	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	50	4
12A81A0334	R32037	METROLOGY & INSTRUMENTATION LAB	23	45	2
12A81A0334	R32038	HEAT TRANSFER LAB	14	44	2
12A81A0335	R32031	METROLOGY	12	10	0
12A81A0335	R32032	ROBOTICS	14	0	0
12A81A0335	R32033	HEAT TRANSFER	10	9	0
12A81A0335	R32034	INSTRUMENTATION & CONTROL SYSTEMS	11	30	4
12A81A0335	R32035	DESIGN OF MACHINE MEMBERS_II	19	17	0
12A81A0335	R32036	INDUSTRIAL ENGG. & MANAGEMENT	11	26	0
12A81A0335	R32037	METROLOGY & INSTRUMENTATION LAB	17	25	2
12A81A0335	R32038	HEAT TRANSFER LAB	14	27	2
12A81A0336	R32031	METROLOGY	16	10	0
12A81A0336	R32032	ROBOTICS	19	37	4
12A81A0336	R32033	HEAT TRANSFER	9	5	0
12A81A0336	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	0	0
12A81A0336	R32035	DESIGN OF MACHINE MEMBERS_II	16	26	4
12A81A0336	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	18	0

Htno	Subcode	Subname	Internal	External	credits
12A81A0336	R32037	METROLOGY & INSTRUMENTATION LAB	12	30	2
12A81A0336	R32038	HEAT TRANSFER LAB	12	20	2
12A81A0337	R32031	METROLOGY	16	60	4
12A81A0337	R32032	ROBOTICS	18	46	4
12A81A0337	R32033	HEAT TRANSFER	12	35	4
12A81A0337	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	41	4
12A81A0337	R32035	DESIGN OF MACHINE MEMBERS_II	20	26	4
12A81A0337	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	43	4
12A81A0337	R32037	METROLOGY & INSTRUMENTATION LAB	24	46	2
12A81A0337	R32038	HEAT TRANSFER LAB	21	42	2
12A81A0338	R32031	METROLOGY	10	12	0
12A81A0338	R32032	ROBOTICS	6	2	0
12A81A0338	R32033	HEAT TRANSFER	0	0	0
12A81A0338	R32034	INSTRUMENTATION & CONTROL SYSTEMS	0	0	0
12A81A0338	R32035	DESIGN OF MACHINE MEMBERS_II	1	0	0
12A81A0338	R32036	INDUSTRIAL ENGG. & MANAGEMENT	5	20	0
12A81A0338	R32037	METROLOGY & INSTRUMENTATION LAB	7	-1	0
12A81A0338	R32038	HEAT TRANSFER LAB	12	-1	0
12A81A0339	R32031	METROLOGY	18	30	4
12A81A0339	R32032	ROBOTICS	17	41	4
12A81A0339	R32033	HEAT TRANSFER	14	26	4
12A81A0339	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	42	4
12A81A0339	R32035	DESIGN OF MACHINE MEMBERS_II	11	12	0
12A81A0339	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	40	4
12A81A0339	R32037	METROLOGY & INSTRUMENTATION LAB	22	38	2
12A81A0339	R32038	HEAT TRANSFER LAB	21	32	2
12A81A0340	R32031	METROLOGY	22	39	4
12A81A0340	R32032	ROBOTICS	23	74	4
12A81A0340	R32033	HEAT TRANSFER	22	54	4
12A81A0340	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	49	4
12A81A0340	R32035	DESIGN OF MACHINE MEMBERS_II	19	40	4
12A81A0340	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	53	4
12A81A0340	R32037	METROLOGY & INSTRUMENTATION LAB	24	49	2
12A81A0340	R32038	HEAT TRANSFER LAB	21	46	2
12A81A0341	R32031	METROLOGY	17	35	4
12A81A0341	R32032	ROBOTICS	18	39	4
12A81A0341	R32033	HEAT TRANSFER	19	27	4
12A81A0341	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	34	4
12A81A0341	R32035	DESIGN OF MACHINE MEMBERS_II	17	45	4
12A81A0341	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	28	4
12A81A0341	R32037	METROLOGY & INSTRUMENTATION LAB	19	40	2
12A81A0341	R32038	HEAT TRANSFER LAB	19	28	2
12A81A0342	R32031	METROLOGY	23	65	4
12A81A0342	R32032	ROBOTICS	22	56	4
12A81A0342	R32033	HEAT TRANSFER	19	30	4
12A81A0342	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	42	4
12A81A0342	R32035	DESIGN OF MACHINE MEMBERS_II	14	48	4
12A81A0342	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	43	4
12A81A0342	R32037	METROLOGY & INSTRUMENTATION LAB	24	43	2
12A81A0342	R32038	HEAT TRANSFER LAB	21	38	2
12A81A0343	R32031	METROLOGY	21	26	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0343	R32032	ROBOTICS	17	44	4
12A81A0343	R32033	HEAT TRANSFER	21	46	4
12A81A0343	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	42	4
12A81A0343	R32035	DESIGN OF MACHINE MEMBERS_II	11	35	4
12A81A0343	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	43	4
12A81A0343	R32037	METROLOGY & INSTRUMENTATION LAB	23	41	2
12A81A0343	R32038	HEAT TRANSFER LAB	21	39	2
12A81A0344	R32031	METROLOGY	25	37	4
12A81A0344	R32032	ROBOTICS	22	67	4
12A81A0344	R32033	HEAT TRANSFER	23	45	4
12A81A0344	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	46	4
12A81A0344	R32035	DESIGN OF MACHINE MEMBERS_II	19	34	4
12A81A0344	R32036	INDUSTRIAL ENGG. & MANAGEMENT	24	50	4
12A81A0344	R32037	METROLOGY & INSTRUMENTATION LAB	23	48	2
12A81A0344	R32038	HEAT TRANSFER LAB	21	48	2
12A81A0345	R32031	METROLOGY	25	51	4
12A81A0345	R32032	ROBOTICS	22	55	4
12A81A0345	R32033	HEAT TRANSFER	23	45	4
12A81A0345	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	58	4
12A81A0345	R32035	DESIGN OF MACHINE MEMBERS_II	23	58	4
12A81A0345	R32036	INDUSTRIAL ENGG. & MANAGEMENT	23	28	4
12A81A0345	R32037	METROLOGY & INSTRUMENTATION LAB	24	49	2
12A81A0345	R32038	HEAT TRANSFER LAB	23	46	2
12A81A0346	R32031	METROLOGY	22	61	4
12A81A0346	R32032	ROBOTICS	21	46	4
12A81A0346	R32033	HEAT TRANSFER	22	26	4
12A81A0346	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	40	4
12A81A0346	R32035	DESIGN OF MACHINE MEMBERS_II	21	48	4
12A81A0346	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	30	4
12A81A0346	R32037	METROLOGY & INSTRUMENTATION LAB	22	45	2
12A81A0346	R32038	HEAT TRANSFER LAB	20	45	2
12A81A0347	R32031	METROLOGY	20	51	4
12A81A0347	R32032	ROBOTICS	19	49	4
12A81A0347	R32033	HEAT TRANSFER	18	26	4
12A81A0347	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	54	4
12A81A0347	R32035	DESIGN OF MACHINE MEMBERS_II	20	38	4
12A81A0347	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	41	4
12A81A0347	R32037	METROLOGY & INSTRUMENTATION LAB	24	43	2
12A81A0347	R32038	HEAT TRANSFER LAB	20	42	2
12A81A0348	R32031	METROLOGY	17	27	4
12A81A0348	R32032	ROBOTICS	19	44	4
12A81A0348	R32033	HEAT TRANSFER	16	30	4
12A81A0348	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	30	4
12A81A0348	R32035	DESIGN OF MACHINE MEMBERS_II	15	30	4
12A81A0348	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	39	4
12A81A0348	R32037	METROLOGY & INSTRUMENTATION LAB	20	39	2
12A81A0348	R32038	HEAT TRANSFER LAB	20	35	2
12A81A0349	R32031	METROLOGY	3	35	0
12A81A0349	R32032	ROBOTICS	10	2	0
12A81A0349	R32033	HEAT TRANSFER	1	0	0
12A81A0349	R32034	INSTRUMENTATION & CONTROL SYSTEMS	10	0	0

Htno	Subcode	Subname	Internal	External	credits
12A81A0349	R32035	DESIGN OF MACHINE MEMBERS_II	9	6	0
12A81A0349	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	0	0
12A81A0349	R32037	METROLOGY & INSTRUMENTATION LAB	7	-1	0
12A81A0349	R32038	HEAT TRANSFER LAB	12	-1	0
12A81A0350	R32031	METROLOGY	17	37	4
12A81A0350	R32032	ROBOTICS	18	48	4
12A81A0350	R32033	HEAT TRANSFER	19	27	4
12A81A0350	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	37	4
12A81A0350	R32035	DESIGN OF MACHINE MEMBERS_II	21	52	4
12A81A0350	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	51	4
12A81A0350	R32037	METROLOGY & INSTRUMENTATION LAB	18	47	2
12A81A0350	R32038	HEAT TRANSFER LAB	19	40	2
12A81A0351	R32031	METROLOGY	14	16	0
12A81A0351	R32032	ROBOTICS	17	34	4
12A81A0351	R32033	HEAT TRANSFER	18	26	4
12A81A0351	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	30	4
12A81A0351	R32035	DESIGN OF MACHINE MEMBERS_II	18	42	4
12A81A0351	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	32	4
12A81A0351	R32037	METROLOGY & INSTRUMENTATION LAB	19	25	2
12A81A0351	R32038	HEAT TRANSFER LAB	19	39	2
12A81A0352	R32031	METROLOGY	20	42	4
12A81A0352	R32032	ROBOTICS	21	54	4
12A81A0352	R32033	HEAT TRANSFER	21	49	4
12A81A0352	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	39	4
12A81A0352	R32035	DESIGN OF MACHINE MEMBERS_II	19	40	4
12A81A0352	R32036	INDUSTRIAL ENGG. & MANAGEMENT	22	47	4
12A81A0352	R32037	METROLOGY & INSTRUMENTATION LAB	23	47	2
12A81A0352	R32038	HEAT TRANSFER LAB	20	44	2
12A81A0353	R32031	METROLOGY	19	47	4
12A81A0353	R32032	ROBOTICS	22	44	4
12A81A0353	R32033	HEAT TRANSFER	19	48	4
12A81A0353	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	33	4
12A81A0353	R32035	DESIGN OF MACHINE MEMBERS_II	23	46	4
12A81A0353	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	28	4
12A81A0353	R32037	METROLOGY & INSTRUMENTATION LAB	23	49	2
12A81A0353	R32038	HEAT TRANSFER LAB	22	41	2
12A81A0354	R32031	METROLOGY	10	32	4
12A81A0354	R32032	ROBOTICS	13	32	4
12A81A0354	R32033	HEAT TRANSFER	13	8	0
12A81A0354	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	26	4
12A81A0354	R32035	DESIGN OF MACHINE MEMBERS_II	14	26	4
12A81A0354	R32036	INDUSTRIAL ENGG. & MANAGEMENT	9	14	0
12A81A0354	R32037	METROLOGY & INSTRUMENTATION LAB	16	42	2
12A81A0354	R32038	HEAT TRANSFER LAB	16	37	2
12A81A0355	R32031	METROLOGY	18	31	4
12A81A0355	R32032	ROBOTICS	21	58	4
12A81A0355	R32033	HEAT TRANSFER	16	52	4
12A81A0355	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	43	4
12A81A0355	R32035	DESIGN OF MACHINE MEMBERS_II	15	26	4
12A81A0355	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	52	4
12A81A0355	R32037	METROLOGY & INSTRUMENTATION LAB	17	47	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0355	R32038	HEAT TRANSFER LAB	17	38	2
12A81A0357	R32031	METROLOGY	15	17	0
12A81A0357	R32032	ROBOTICS	16	26	4
12A81A0357	R32033	HEAT TRANSFER	17	11	0
12A81A0357	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	8	0
12A81A0357	R32035	DESIGN OF MACHINE MEMBERS_II	9	20	0
12A81A0357	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	26	4
12A81A0357	R32037	METROLOGY & INSTRUMENTATION LAB	16	45	2
12A81A0357	R32038	HEAT TRANSFER LAB	18	39	2
12A81A0358	R32031	METROLOGY	7	30	0
12A81A0358	R32032	ROBOTICS	18	15	0
12A81A0358	R32033	HEAT TRANSFER	15	16	0
12A81A0358	R32034	INSTRUMENTATION & CONTROL SYSTEMS	10	14	0
12A81A0358	R32035	DESIGN OF MACHINE MEMBERS_II	15	16	0
12A81A0358	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	12	0
12A81A0358	R32037	METROLOGY & INSTRUMENTATION LAB	17	40	2
12A81A0358	R32038	HEAT TRANSFER LAB	18	37	2
12A81A0359	R32031	METROLOGY	17	56	4
12A81A0359	R32032	ROBOTICS	17	47	4
12A81A0359	R32033	HEAT TRANSFER	19	26	4
12A81A0359	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	56	4
12A81A0359	R32035	DESIGN OF MACHINE MEMBERS_II	13	47	4
12A81A0359	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	34	4
12A81A0359	R32037	METROLOGY & INSTRUMENTATION LAB	18	45	2
12A81A0359	R32038	HEAT TRANSFER LAB	16	36	2
12A81A0360	R32031	METROLOGY	16	9	0
12A81A0360	R32032	ROBOTICS	19	26	4
12A81A0360	R32033	HEAT TRANSFER	19	26	4
12A81A0360	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	14	0
12A81A0360	R32035	DESIGN OF MACHINE MEMBERS_II	10	9	0
12A81A0360	R32036	INDUSTRIAL ENGG. & MANAGEMENT	12	33	4
12A81A0360	R32037	METROLOGY & INSTRUMENTATION LAB	21	40	2
12A81A0360	R32038	HEAT TRANSFER LAB	14	33	2
12A81A0361	R32031	METROLOGY	14	26	4
12A81A0361	R32032	ROBOTICS	19	56	4
12A81A0361	R32033	HEAT TRANSFER	13	30	4
12A81A0361	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	26	4
12A81A0361	R32035	DESIGN OF MACHINE MEMBERS_II	21	31	4
12A81A0361	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	50	4
12A81A0361	R32037	METROLOGY & INSTRUMENTATION LAB	19	32	2
12A81A0361	R32038	HEAT TRANSFER LAB	17	36	2
12A81A0362	R32031	METROLOGY	14	53	4
12A81A0362	R32032	ROBOTICS	18	50	4
12A81A0362	R32033	HEAT TRANSFER	18	31	4
12A81A0362	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	44	4
12A81A0362	R32035	DESIGN OF MACHINE MEMBERS_II	18	49	4
12A81A0362	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	28	4
12A81A0362	R32037	METROLOGY & INSTRUMENTATION LAB	23	45	2
12A81A0362	R32038	HEAT TRANSFER LAB	20	37	2
12A81A0363	R32031	METROLOGY	20	54	4
12A81A0363	R32032	ROBOTICS	21	45	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0363	R32033	HEAT TRANSFER	18	28	4
12A81A0363	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	32	4
12A81A0363	R32035	DESIGN OF MACHINE MEMBERS_II	18	48	4
12A81A0363	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	29	4
12A81A0363	R32037	METROLOGY & INSTRUMENTATION LAB	21	41	2
12A81A0363	R32038	HEAT TRANSFER LAB	18	41	2
12A81A0364	R32031	METROLOGY	14	14	0
12A81A0364	R32032	ROBOTICS	17	35	4
12A81A0364	R32033	HEAT TRANSFER	15	13	0
12A81A0364	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	18	0
12A81A0364	R32035	DESIGN OF MACHINE MEMBERS_II	16	12	0
12A81A0364	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	38	4
12A81A0364	R32037	METROLOGY & INSTRUMENTATION LAB	17	28	2
12A81A0364	R32038	HEAT TRANSFER LAB	17	27	2
12A81A0365	R32031	METROLOGY	16	34	4
12A81A0365	R32032	ROBOTICS	16	35	4
12A81A0365	R32033	HEAT TRANSFER	14	39	4
12A81A0365	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	27	4
12A81A0365	R32035	DESIGN OF MACHINE MEMBERS_II	17	29	4
12A81A0365	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	42	4
12A81A0365	R32037	METROLOGY & INSTRUMENTATION LAB	22	49	2
12A81A0365	R32038	HEAT TRANSFER LAB	19	47	2
12A81A0366	R32031	METROLOGY	14	43	4
12A81A0366	R32032	ROBOTICS	19	36	4
12A81A0366	R32033	HEAT TRANSFER	12	28	4
12A81A0366	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	35	4
12A81A0366	R32035	DESIGN OF MACHINE MEMBERS_II	16	44	4
12A81A0366	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	33	4
12A81A0366	R32037	METROLOGY & INSTRUMENTATION LAB	21	28	2
12A81A0366	R32038	HEAT TRANSFER LAB	17	30	2
12A81A0367	R32031	METROLOGY	16	51	4
12A81A0367	R32032	ROBOTICS	20	50	4
12A81A0367	R32033	HEAT TRANSFER	19	18	0
12A81A0367	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	46	4
12A81A0367	R32035	DESIGN OF MACHINE MEMBERS_II	21	45	4
12A81A0367	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	34	4
12A81A0367	R32037	METROLOGY & INSTRUMENTATION LAB	21	48	2
12A81A0367	R32038	HEAT TRANSFER LAB	19	34	2
12A81A0368	R32031	METROLOGY	18	35	4
12A81A0368	R32032	ROBOTICS	21	50	4
12A81A0368	R32033	HEAT TRANSFER	15	49	4
12A81A0368	R32034	INSTRUMENTATION & CONTROL SYSTEMS	24	51	4
12A81A0368	R32035	DESIGN OF MACHINE MEMBERS_II	18	32	4
12A81A0368	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	38	4
12A81A0368	R32037	METROLOGY & INSTRUMENTATION LAB	23	41	2
12A81A0368	R32038	HEAT TRANSFER LAB	19	36	2
12A81A0369	R32031	METROLOGY	16	26	4
12A81A0369	R32032	ROBOTICS	18	38	4
12A81A0369	R32033	HEAT TRANSFER	18	37	4
12A81A0369	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	18	0
12A81A0369	R32035	DESIGN OF MACHINE MEMBERS_II	21	28	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0369	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	36	4
12A81A0369	R32037	METROLOGY & INSTRUMENTATION LAB	21	36	2
12A81A0369	R32038	HEAT TRANSFER LAB	21	43	2
12A81A0370	R32031	METROLOGY	18	52	4
12A81A0370	R32032	ROBOTICS	22	53	4
12A81A0370	R32033	HEAT TRANSFER	20	56	4
12A81A0370	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	47	4
12A81A0370	R32035	DESIGN OF MACHINE MEMBERS_II	20	52	4
12A81A0370	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	29	4
12A81A0370	R32037	METROLOGY & INSTRUMENTATION LAB	23	48	2
12A81A0370	R32038	HEAT TRANSFER LAB	18	40	2
12A81A0371	R32031	METROLOGY	18	51	4
12A81A0371	R32032	ROBOTICS	17	49	4
12A81A0371	R32033	HEAT TRANSFER	18	26	4
12A81A0371	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	28	4
12A81A0371	R32035	DESIGN OF MACHINE MEMBERS_II	17	57	4
12A81A0371	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	43	4
12A81A0371	R32037	METROLOGY & INSTRUMENTATION LAB	22	43	2
12A81A0371	R32038	HEAT TRANSFER LAB	17	44	2
12A81A0372	R32031	METROLOGY	14	29	4
12A81A0372	R32032	ROBOTICS	18	28	4
12A81A0372	R32033	HEAT TRANSFER	17	38	4
12A81A0372	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	28	4
12A81A0372	R32035	DESIGN OF MACHINE MEMBERS_II	20	14	0
12A81A0372	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	36	4
12A81A0372	R32037	METROLOGY & INSTRUMENTATION LAB	23	48	2
12A81A0372	R32038	HEAT TRANSFER LAB	19	38	2
12A81A0373	R32031	METROLOGY	16	27	4
12A81A0373	R32032	ROBOTICS	12	50	4
12A81A0373	R32033	HEAT TRANSFER	15	43	4
12A81A0373	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	17	0
12A81A0373	R32035	DESIGN OF MACHINE MEMBERS_II	17	32	4
12A81A0373	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	37	4
12A81A0373	R32037	METROLOGY & INSTRUMENTATION LAB	23	42	2
12A81A0373	R32038	HEAT TRANSFER LAB	16	28	2
12A81A0374	R32031	METROLOGY	18	46	4
12A81A0374	R32032	ROBOTICS	17	42	4
12A81A0374	R32033	HEAT TRANSFER	15	36	4
12A81A0374	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	13	0
12A81A0374	R32035	DESIGN OF MACHINE MEMBERS_II	17	4	0
12A81A0374	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	30	4
12A81A0374	R32037	METROLOGY & INSTRUMENTATION LAB	18	41	2
12A81A0374	R32038	HEAT TRANSFER LAB	17	41	2
12A81A0375	R32031	METROLOGY	14	31	4
12A81A0375	R32032	ROBOTICS	18	46	4
12A81A0375	R32033	HEAT TRANSFER	13	27	4
12A81A0375	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	26	4
12A81A0375	R32035	DESIGN OF MACHINE MEMBERS_II	18	47	4
12A81A0375	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	40	4
12A81A0375	R32037	METROLOGY & INSTRUMENTATION LAB	22	46	2
12A81A0375	R32038	HEAT TRANSFER LAB	12	18	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0376	R32031	METROLOGY	19	29	4
12A81A0376	R32032	ROBOTICS	18	45	4
12A81A0376	R32033	HEAT TRANSFER	18	51	4
12A81A0376	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	44	4
12A81A0376	R32035	DESIGN OF MACHINE MEMBERS_II	15	28	4
12A81A0376	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	49	4
12A81A0376	R32037	METROLOGY & INSTRUMENTATION LAB	23	47	2
12A81A0376	R32038	HEAT TRANSFER LAB	18	43	2
12A81A0377	R32031	METROLOGY	16	26	4
12A81A0377	R32032	ROBOTICS	13	34	4
12A81A0377	R32033	HEAT TRANSFER	16	29	4
12A81A0377	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	34	4
12A81A0377	R32035	DESIGN OF MACHINE MEMBERS_II	13	30	4
12A81A0377	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	42	4
12A81A0377	R32037	METROLOGY & INSTRUMENTATION LAB	17	45	2
12A81A0377	R32038	HEAT TRANSFER LAB	18	38	2
12A81A0378	R32031	METROLOGY	16	48	4
12A81A0378	R32032	ROBOTICS	15	26	4
12A81A0378	R32033	HEAT TRANSFER	15	27	4
12A81A0378	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	37	4
12A81A0378	R32035	DESIGN OF MACHINE MEMBERS_II	19	44	4
12A81A0378	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	34	4
12A81A0378	R32037	METROLOGY & INSTRUMENTATION LAB	23	41	2
12A81A0378	R32038	HEAT TRANSFER LAB	18	38	2
12A81A0379	R32031	METROLOGY	17	49	4
12A81A0379	R32032	ROBOTICS	17	60	4
12A81A0379	R32033	HEAT TRANSFER	17	34	4
12A81A0379	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	42	4
12A81A0379	R32035	DESIGN OF MACHINE MEMBERS_II	19	38	4
12A81A0379	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	50	4
12A81A0379	R32037	METROLOGY & INSTRUMENTATION LAB	22	47	2
12A81A0379	R32038	HEAT TRANSFER LAB	19	32	2
12A81A0380	R32031	METROLOGY	17	38	4
12A81A0380	R32032	ROBOTICS	17	48	4
12A81A0380	R32033	HEAT TRANSFER	16	26	4
12A81A0380	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	26	4
12A81A0380	R32035	DESIGN OF MACHINE MEMBERS_II	18	26	4
12A81A0380	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	45	4
12A81A0380	R32037	METROLOGY & INSTRUMENTATION LAB	19	43	2
12A81A0380	R32038	HEAT TRANSFER LAB	17	41	2
12A81A0382	R32031	METROLOGY	20	36	4
12A81A0382	R32032	ROBOTICS	23	73	4
12A81A0382	R32033	HEAT TRANSFER	21	57	4
12A81A0382	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	48	4
12A81A0382	R32035	DESIGN OF MACHINE MEMBERS_II	23	44	4
12A81A0382	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	54	4
12A81A0382	R32037	METROLOGY & INSTRUMENTATION LAB	20	47	2
12A81A0382	R32038	HEAT TRANSFER LAB	19	45	2
12A81A0383	R32031	METROLOGY	19	45	4
12A81A0383	R32032	ROBOTICS	21	44	4
12A81A0383	R32033	HEAT TRANSFER	20	36	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0383	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	40	4
12A81A0383	R32035	DESIGN OF MACHINE MEMBERS_II	16	36	4
12A81A0383	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	43	4
12A81A0383	R32037	METROLOGY & INSTRUMENTATION LAB	21	47	2
12A81A0383	R32038	HEAT TRANSFER LAB	19	36	2
12A81A0384	R32031	METROLOGY	20	48	4
12A81A0384	R32032	ROBOTICS	23	44	4
12A81A0384	R32033	HEAT TRANSFER	19	32	4
12A81A0384	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	30	4
12A81A0384	R32035	DESIGN OF MACHINE MEMBERS_II	15	52	4
12A81A0384	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	35	4
12A81A0384	R32037	METROLOGY & INSTRUMENTATION LAB	23	46	2
12A81A0384	R32038	HEAT TRANSFER LAB	19	34	2
12A81A0385	R32031	METROLOGY	18	30	4
12A81A0385	R32032	ROBOTICS	21	37	4
12A81A0385	R32033	HEAT TRANSFER	18	57	4
12A81A0385	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	33	4
12A81A0385	R32035	DESIGN OF MACHINE MEMBERS_II	19	31	4
12A81A0385	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	45	4
12A81A0385	R32037	METROLOGY & INSTRUMENTATION LAB	19	46	2
12A81A0385	R32038	HEAT TRANSFER LAB	18	42	2
12A81A0386	R32031	METROLOGY	17	14	0
12A81A0386	R32032	ROBOTICS	10	35	4
12A81A0386	R32033	HEAT TRANSFER	8	15	0
12A81A0386	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	26	4
12A81A0386	R32035	DESIGN OF MACHINE MEMBERS_II	12	8	0
12A81A0386	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	28	4
12A81A0386	R32037	METROLOGY & INSTRUMENTATION LAB	18	20	2
12A81A0386	R32038	HEAT TRANSFER LAB	12	20	2
12A81A0387	R32031	METROLOGY	23	63	4
12A81A0387	R32032	ROBOTICS	21	39	4
12A81A0387	R32033	HEAT TRANSFER	18	45	4
12A81A0387	R32034	INSTRUMENTATION & CONTROL SYSTEMS	24	57	4
12A81A0387	R32035	DESIGN OF MACHINE MEMBERS_II	18	59	4
12A81A0387	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	46	4
12A81A0387	R32037	METROLOGY & INSTRUMENTATION LAB	23	36	2
12A81A0387	R32038	HEAT TRANSFER LAB	20	45	2
12A81A0388	R32031	METROLOGY	21	50	4
12A81A0388	R32032	ROBOTICS	19	60	4
12A81A0388	R32033	HEAT TRANSFER	13	30	4
12A81A0388	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	38	4
12A81A0388	R32035	DESIGN OF MACHINE MEMBERS_II	20	54	4
12A81A0388	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	57	4
12A81A0388	R32037	METROLOGY & INSTRUMENTATION LAB	16	41	2
12A81A0388	R32038	HEAT TRANSFER LAB	17	38	2
12A81A0390	R32031	METROLOGY	17	36	4
12A81A0390	R32032	ROBOTICS	18	38	4
12A81A0390	R32033	HEAT TRANSFER	15	36	4
12A81A0390	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	44	4
12A81A0390	R32035	DESIGN OF MACHINE MEMBERS_II	18	5	0
12A81A0390	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	41	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0390	R32037	METROLOGY & INSTRUMENTATION LAB	17	36	2
12A81A0390	R32038	HEAT TRANSFER LAB	15	40	2
12A81A0391	R32031	METROLOGY	19	31	4
12A81A0391	R32032	ROBOTICS	19	44	4
12A81A0391	R32033	HEAT TRANSFER	17	38	4
12A81A0391	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	39	4
12A81A0391	R32035	DESIGN OF MACHINE MEMBERS_II	17	26	4
12A81A0391	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	44	4
12A81A0391	R32037	METROLOGY & INSTRUMENTATION LAB	23	47	2
12A81A0391	R32038	HEAT TRANSFER LAB	19	41	2
12A81A0392	R32031	METROLOGY	20	37	4
12A81A0392	R32032	ROBOTICS	12	47	4
12A81A0392	R32033	HEAT TRANSFER	17	8	0
12A81A0392	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	33	4
12A81A0392	R32035	DESIGN OF MACHINE MEMBERS_II	17	13	0
12A81A0392	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	41	4
12A81A0392	R32037	METROLOGY & INSTRUMENTATION LAB	16	22	2
12A81A0392	R32038	HEAT TRANSFER LAB	14	22	2
12A81A0393	R32031	METROLOGY	22	48	4
12A81A0393	R32032	ROBOTICS	17	54	4
12A81A0393	R32033	HEAT TRANSFER	11	34	4
12A81A0393	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	42	4
12A81A0393	R32035	DESIGN OF MACHINE MEMBERS_II	17	49	4
12A81A0393	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	41	4
12A81A0393	R32037	METROLOGY & INSTRUMENTATION LAB	21	41	2
12A81A0393	R32038	HEAT TRANSFER LAB	20	34	2
12A81A0394	R32031	METROLOGY	20	12	0
12A81A0394	R32032	ROBOTICS	17	31	4
12A81A0394	R32033	HEAT TRANSFER	16	7	0
12A81A0394	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	29	4
12A81A0394	R32035	DESIGN OF MACHINE MEMBERS_II	17	6	0
12A81A0394	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	32	4
12A81A0394	R32037	METROLOGY & INSTRUMENTATION LAB	20	46	2
12A81A0394	R32038	HEAT TRANSFER LAB	17	40	2
12A81A0395	R32031	METROLOGY	23	31	4
12A81A0395	R32032	ROBOTICS	21	54	4
12A81A0395	R32033	HEAT TRANSFER	20	47	4
12A81A0395	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	40	4
12A81A0395	R32035	DESIGN OF MACHINE MEMBERS_II	20	36	4
12A81A0395	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	51	4
12A81A0395	R32037	METROLOGY & INSTRUMENTATION LAB	23	45	2
12A81A0395	R32038	HEAT TRANSFER LAB	18	48	2
12A81A0396	R32031	METROLOGY	21	50	4
12A81A0396	R32032	ROBOTICS	19	42	4
12A81A0396	R32033	HEAT TRANSFER	20	41	4
12A81A0396	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	56	4
12A81A0396	R32035	DESIGN OF MACHINE MEMBERS_II	18	56	4
12A81A0396	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	45	4
12A81A0396	R32037	METROLOGY & INSTRUMENTATION LAB	23	45	2
12A81A0396	R32038	HEAT TRANSFER LAB	18	37	2
12A81A0397	R32031	METROLOGY	21	50	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0397	R32032	ROBOTICS	19	40	4
12A81A0397	R32033	HEAT TRANSFER	16	32	4
12A81A0397	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	39	4
12A81A0397	R32035	DESIGN OF MACHINE MEMBERS_II	19	52	4
12A81A0397	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	48	4
12A81A0397	R32037	METROLOGY & INSTRUMENTATION LAB	25	44	2
12A81A0397	R32038	HEAT TRANSFER LAB	17	37	2
12A81A0398	R32031	METROLOGY	17	32	4
12A81A0398	R32032	ROBOTICS	18	42	4
12A81A0398	R32033	HEAT TRANSFER	19	35	4
12A81A0398	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	35	4
12A81A0398	R32035	DESIGN OF MACHINE MEMBERS_II	19	28	4
12A81A0398	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	31	4
12A81A0398	R32037	METROLOGY & INSTRUMENTATION LAB	22	40	2
12A81A0398	R32038	HEAT TRANSFER LAB	19	40	2
12A81A0399	R32031	METROLOGY	18	26	4
12A81A0399	R32032	ROBOTICS	21	49	4
12A81A0399	R32033	HEAT TRANSFER	20	37	4
12A81A0399	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	28	4
12A81A0399	R32035	DESIGN OF MACHINE MEMBERS_II	19	28	4
12A81A0399	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	47	4
12A81A0399	R32037	METROLOGY & INSTRUMENTATION LAB	23	47	2
12A81A0399	R32038	HEAT TRANSFER LAB	18	48	2
12A81A03A0	R32031	METROLOGY	13	27	4
12A81A03A0	R32032	ROBOTICS	16	33	4
12A81A03A0	R32033	HEAT TRANSFER	12	5	0
12A81A03A0	R32034	INSTRUMENTATION & CONTROL SYSTEMS	13	13	0
12A81A03A0	R32035	DESIGN OF MACHINE MEMBERS_II	9	31	4
12A81A03A0	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	36	4
12A81A03A0	R32037	METROLOGY & INSTRUMENTATION LAB	18	39	2
12A81A03A0	R32038	HEAT TRANSFER LAB	12	23	2
12A81A03A1	R32031	METROLOGY	19	47	4
12A81A03A1	R32032	ROBOTICS	21	50	4
12A81A03A1	R32033	HEAT TRANSFER	17	26	4
12A81A03A1	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	27	4
12A81A03A1	R32035	DESIGN OF MACHINE MEMBERS_II	13	41	4
12A81A03A1	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	45	4
12A81A03A1	R32037	METROLOGY & INSTRUMENTATION LAB	24	46	2
12A81A03A1	R32038	HEAT TRANSFER LAB	14	41	2
12A81A03A2	R32031	METROLOGY	18	39	4
12A81A03A2	R32032	ROBOTICS	18	44	4
12A81A03A2	R32033	HEAT TRANSFER	9	31	4
12A81A03A2	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	44	4
12A81A03A2	R32035	DESIGN OF MACHINE MEMBERS_II	11	30	4
12A81A03A2	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	45	4
12A81A03A2	R32037	METROLOGY & INSTRUMENTATION LAB	15	45	2
12A81A03A2	R32038	HEAT TRANSFER LAB	12	32	2
12A81A03A3	R32031	METROLOGY	17	26	4
12A81A03A3	R32032	ROBOTICS	20	33	4
12A81A03A3	R32033	HEAT TRANSFER	10	17	0
12A81A03A3	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	19	0

Htno	Subcode	Subname	Internal	External	credits
12A81A03A3	R32035	DESIGN OF MACHINE MEMBERS_II	12	13	0
12A81A03A3	R32036	INDUSTRIAL ENGG. & MANAGEMENT	13	33	4
12A81A03A3	R32037	METROLOGY & INSTRUMENTATION LAB	16	36	2
12A81A03A3	R32038	HEAT TRANSFER LAB	17	30	2
12A81A03A5	R32031	METROLOGY	20	49	4
12A81A03A5	R32032	ROBOTICS	19	39	4
12A81A03A5	R32033	HEAT TRANSFER	15	47	4
12A81A03A5	R32034	INSTRUMENTATION & CONTROL SYSTEMS	24	34	4
12A81A03A5	R32035	DESIGN OF MACHINE MEMBERS_II	22	55	4
12A81A03A5	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	47	4
12A81A03A5	R32037	METROLOGY & INSTRUMENTATION LAB	22	45	2
12A81A03A5	R32038	HEAT TRANSFER LAB	19	40	2
12A81A03A6	R32031	METROLOGY	11	6	0
12A81A03A6	R32032	ROBOTICS	15	29	4
12A81A03A6	R32033	HEAT TRANSFER	9	12	0
12A81A03A6	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	6	0
12A81A03A6	R32035	DESIGN OF MACHINE MEMBERS_II	12	28	4
12A81A03A6	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	38	4
12A81A03A6	R32037	METROLOGY & INSTRUMENTATION LAB	17	36	2
12A81A03A6	R32038	HEAT TRANSFER LAB	12	25	2
12A81A03A7	R32031	METROLOGY	20	48	4
12A81A03A7	R32032	ROBOTICS	21	61	4
12A81A03A7	R32033	HEAT TRANSFER	16	41	4
12A81A03A7	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	44	4
12A81A03A7	R32035	DESIGN OF MACHINE MEMBERS_II	12	35	4
12A81A03A7	R32036	INDUSTRIAL ENGG. & MANAGEMENT	22	52	4
12A81A03A7	R32037	METROLOGY & INSTRUMENTATION LAB	21	36	2
12A81A03A7	R32038	HEAT TRANSFER LAB	13	38	2
12A81A03A8	R32031	METROLOGY	22	37	4
12A81A03A8	R32032	ROBOTICS	21	54	4
12A81A03A8	R32033	HEAT TRANSFER	15	30	4
12A81A03A8	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	38	4
12A81A03A8	R32035	DESIGN OF MACHINE MEMBERS_II	17	29	4
12A81A03A8	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	47	4
12A81A03A8	R32037	METROLOGY & INSTRUMENTATION LAB	22	46	2
12A81A03A8	R32038	HEAT TRANSFER LAB	21	40	2
12A81A03A9	R32031	METROLOGY	21	47	4
12A81A03A9	R32032	ROBOTICS	21	36	4
12A81A03A9	R32033	HEAT TRANSFER	16	36	4
12A81A03A9	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	45	4
12A81A03A9	R32035	DESIGN OF MACHINE MEMBERS_II	16	48	4
12A81A03A9	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	34	4
12A81A03A9	R32037	METROLOGY & INSTRUMENTATION LAB	22	48	2
12A81A03A9	R32038	HEAT TRANSFER LAB	21	47	2
12A81A03B0	R32031	METROLOGY	18	37	4
12A81A03B0	R32032	ROBOTICS	21	53	4
12A81A03B0	R32033	HEAT TRANSFER	13	27	4
12A81A03B0	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	26	4
12A81A03B0	R32035	DESIGN OF MACHINE MEMBERS_II	7	33	4
12A81A03B0	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	37	4
12A81A03B0	R32037	METROLOGY & INSTRUMENTATION LAB	12	36	2

Htno	Subcode	Subname	Internal	External	credits
12A81A03B0	R32038	HEAT TRANSFER LAB	12	32	2
12A81A0401	R32026	MANAGEMENT SCIENCE	24	34	4
12A81A0401	R32041	COMPUTER NETWORKS	23	61	4
12A81A0401	R32042	MICROWAVE ENGINEERING	24	55	4
12A81A0401	R32043	DIGITAL SIGNAL PROCESSING	17	39	4
12A81A0401	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	44	4
12A81A0401	R32045	VLSI DESIGN	22	42	4
12A81A0401	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	42	2
12A81A0401	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	44	2
12A81A0402	R32026	MANAGEMENT SCIENCE	22	45	4
12A81A0402	R32041	COMPUTER NETWORKS	18	42	4
12A81A0402	R32042	MICROWAVE ENGINEERING	21	50	4
12A81A0402	R32043	DIGITAL SIGNAL PROCESSING	14	44	4
12A81A0402	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	29	4
12A81A0402	R32045	VLSI DESIGN	13	32	4
12A81A0402	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
12A81A0402	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
12A81A0403	R32026	MANAGEMENT SCIENCE	20	41	4
12A81A0403	R32041	COMPUTER NETWORKS	18	44	4
12A81A0403	R32042	MICROWAVE ENGINEERING	21	56	4
12A81A0403	R32043	DIGITAL SIGNAL PROCESSING	15	32	4
12A81A0403	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	40	4
12A81A0403	R32045	VLSI DESIGN	23	30	4
12A81A0403	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
12A81A0403	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	44	2
12A81A0404	R32026	MANAGEMENT SCIENCE	21	58	4
12A81A0404	R32041	COMPUTER NETWORKS	22	54	4
12A81A0404	R32042	MICROWAVE ENGINEERING	23	43	4
12A81A0404	R32043	DIGITAL SIGNAL PROCESSING	22	68	4
12A81A0404	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	28	4
12A81A0404	R32045	VLSI DESIGN	22	51	4
12A81A0404	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	47	2
12A81A0404	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12A81A0407	R32026	MANAGEMENT SCIENCE	20	32	4
12A81A0407	R32041	COMPUTER NETWORKS	18	52	4
12A81A0407	R32042	MICROWAVE ENGINEERING	19	47	4
12A81A0407	R32043	DIGITAL SIGNAL PROCESSING	17	39	4
12A81A0407	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	43	4
12A81A0407	R32045	VLSI DESIGN	18	35	4
12A81A0407	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
12A81A0407	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	45	2
12A81A0408	R32026	MANAGEMENT SCIENCE	20	31	4
12A81A0408	R32041	COMPUTER NETWORKS	21	33	4
12A81A0408	R32042	MICROWAVE ENGINEERING	20	40	4
12A81A0408	R32043	DIGITAL SIGNAL PROCESSING	14	26	4
12A81A0408	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	30	4
12A81A0408	R32045	VLSI DESIGN	17	19	0
12A81A0408	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	44	2
12A81A0408	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	45	2
12A81A0409	R32026	MANAGEMENT SCIENCE	18	48	4
12A81A0409	R32041	COMPUTER NETWORKS	16	49	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0409	R32042	MICROWAVE ENGINEERING	22	61	4
12A81A0409	R32043	DIGITAL SIGNAL PROCESSING	21	34	4
12A81A0409	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	43	4
12A81A0409	R32045	VLSI DESIGN	18	30	4
12A81A0409	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	48	2
12A81A0409	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12A81A0410	R32026	MANAGEMENT SCIENCE	18	49	4
12A81A0410	R32041	COMPUTER NETWORKS	19	44	4
12A81A0410	R32042	MICROWAVE ENGINEERING	21	40	4
12A81A0410	R32043	DIGITAL SIGNAL PROCESSING	21	48	4
12A81A0410	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	17	0
12A81A0410	R32045	VLSI DESIGN	18	48	4
12A81A0410	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
12A81A0410	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
12A81A0411	R32026	MANAGEMENT SCIENCE	22	44	4
12A81A0411	R32041	COMPUTER NETWORKS	21	56	4
12A81A0411	R32042	MICROWAVE ENGINEERING	22	46	4
12A81A0411	R32043	DIGITAL SIGNAL PROCESSING	18	45	4
12A81A0411	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	32	4
12A81A0411	R32045	VLSI DESIGN	17	35	4
12A81A0411	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
12A81A0411	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	42	2
12A81A0412	R32026	MANAGEMENT SCIENCE	19	40	4
12A81A0412	R32041	COMPUTER NETWORKS	18	41	4
12A81A0412	R32042	MICROWAVE ENGINEERING	22	40	4
12A81A0412	R32043	DIGITAL SIGNAL PROCESSING	16	48	4
12A81A0412	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	35	4
12A81A0412	R32045	VLSI DESIGN	18	33	4
12A81A0412	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
12A81A0412	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	19	40	2
12A81A0413	R32026	MANAGEMENT SCIENCE	17	26	4
12A81A0413	R32041	COMPUTER NETWORKS	15	26	4
12A81A0413	R32042	MICROWAVE ENGINEERING	18	10	0
12A81A0413	R32043	DIGITAL SIGNAL PROCESSING	5	1	0
12A81A0413	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	26	4
12A81A0413	R32045	VLSI DESIGN	13	11	0
12A81A0413	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	35	2
12A81A0413	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	14	35	2
12A81A0414	R32026	MANAGEMENT SCIENCE	21	55	4
12A81A0414	R32041	COMPUTER NETWORKS	18	47	4
12A81A0414	R32042	MICROWAVE ENGINEERING	22	33	4
12A81A0414	R32043	DIGITAL SIGNAL PROCESSING	19	42	4
12A81A0414	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	34	4
12A81A0414	R32045	VLSI DESIGN	21	53	4
12A81A0414	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
12A81A0414	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12A81A0415	R32026	MANAGEMENT SCIENCE	24	50	4
12A81A0415	R32041	COMPUTER NETWORKS	19	50	4
12A81A0415	R32042	MICROWAVE ENGINEERING	24	44	4
12A81A0415	R32043	DIGITAL SIGNAL PROCESSING	20	43	4
12A81A0415	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	31	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0415	R32045	VLSI DESIGN	23	37	4
12A81A0415	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	46	2
12A81A0415	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	46	2
12A81A0416	R32026	MANAGEMENT SCIENCE	20	50	4
12A81A0416	R32041	COMPUTER NETWORKS	22	47	4
12A81A0416	R32042	MICROWAVE ENGINEERING	25	54	4
12A81A0416	R32043	DIGITAL SIGNAL PROCESSING	21	58	4
12A81A0416	R32044	MICROPROCESSORS AND MICROCONTROLLERS	23	57	4
12A81A0416	R32045	VLSI DESIGN	23	53	4
12A81A0416	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
12A81A0416	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	48	2
12A81A0417	R32026	MANAGEMENT SCIENCE	24	44	4
12A81A0417	R32041	COMPUTER NETWORKS	22	49	4
12A81A0417	R32042	MICROWAVE ENGINEERING	24	72	4
12A81A0417	R32043	DIGITAL SIGNAL PROCESSING	20	39	4
12A81A0417	R32044	MICROPROCESSORS AND MICROCONTROLLERS	22	39	4
12A81A0417	R32045	VLSI DESIGN	25	31	4
12A81A0417	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	46	2
12A81A0417	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	48	2
12A81A0418	R32026	MANAGEMENT SCIENCE	22	42	4
12A81A0418	R32041	COMPUTER NETWORKS	21	57	4
12A81A0418	R32042	MICROWAVE ENGINEERING	24	31	4
12A81A0418	R32043	DIGITAL SIGNAL PROCESSING	24	61	4
12A81A0418	R32044	MICROPROCESSORS AND MICROCONTROLLERS	25	26	4
12A81A0418	R32045	VLSI DESIGN	19	61	4
12A81A0418	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
12A81A0418	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	44	2
12A81A0419	R32026	MANAGEMENT SCIENCE	22	35	4
12A81A0419	R32041	COMPUTER NETWORKS	19	41	4
12A81A0419	R32042	MICROWAVE ENGINEERING	21	34	4
12A81A0419	R32043	DIGITAL SIGNAL PROCESSING	20	33	4
12A81A0419	R32044	MICROPROCESSORS AND MICROCONTROLLERS	24	35	4
12A81A0419	R32045	VLSI DESIGN	19	32	4
12A81A0419	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	42	2
12A81A0419	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	19	44	2
12A81A0420	R32026	MANAGEMENT SCIENCE	24	55	4
12A81A0420	R32041	COMPUTER NETWORKS	23	42	4
12A81A0420	R32042	MICROWAVE ENGINEERING	24	55	4
12A81A0420	R32043	DIGITAL SIGNAL PROCESSING	21	66	4
12A81A0420	R32044	MICROPROCESSORS AND MICROCONTROLLERS	23	44	4
12A81A0420	R32045	VLSI DESIGN	25	52	4
12A81A0420	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	43	2
12A81A0420	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	48	2
12A81A0421	R32026	MANAGEMENT SCIENCE	18	46	4
12A81A0421	R32041	COMPUTER NETWORKS	21	45	4
12A81A0421	R32042	MICROWAVE ENGINEERING	20	68	4
12A81A0421	R32043	DIGITAL SIGNAL PROCESSING	19	32	4
12A81A0421	R32044	MICROPROCESSORS AND MICROCONTROLLERS	19	42	4
12A81A0421	R32045	VLSI DESIGN	20	31	4
12A81A0421	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	46	2
12A81A0421	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	45	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0422	R32026	MANAGEMENT SCIENCE	19	50	4
12A81A0422	R32041	COMPUTER NETWORKS	12	34	4
12A81A0422	R32042	MICROWAVE ENGINEERING	20	18	0
12A81A0422	R32043	DIGITAL SIGNAL PROCESSING	17	33	4
12A81A0422	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	26	4
12A81A0422	R32045	VLSI DESIGN	17	34	4
12A81A0422	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	43	2
12A81A0422	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	38	2
12A81A0424	R32026	MANAGEMENT SCIENCE	18	40	4
12A81A0424	R32041	COMPUTER NETWORKS	16	44	4
12A81A0424	R32042	MICROWAVE ENGINEERING	21	44	4
12A81A0424	R32043	DIGITAL SIGNAL PROCESSING	14	26	4
12A81A0424	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	31	4
12A81A0424	R32045	VLSI DESIGN	22	27	4
12A81A0424	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
12A81A0424	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	45	2
12A81A0425	R32026	MANAGEMENT SCIENCE	19	46	4
12A81A0425	R32041	COMPUTER NETWORKS	15	33	4
12A81A0425	R32042	MICROWAVE ENGINEERING	18	49	4
12A81A0425	R32043	DIGITAL SIGNAL PROCESSING	16	42	4
12A81A0425	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	36	4
12A81A0425	R32045	VLSI DESIGN	21	42	4
12A81A0425	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	43	2
12A81A0425	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	40	2
12A81A0426	R32026	MANAGEMENT SCIENCE	22	39	4
12A81A0426	R32041	COMPUTER NETWORKS	17	35	4
12A81A0426	R32042	MICROWAVE ENGINEERING	23	44	4
12A81A0426	R32043	DIGITAL SIGNAL PROCESSING	17	26	4
12A81A0426	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	43	4
12A81A0426	R32045	VLSI DESIGN	18	26	4
12A81A0426	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
12A81A0426	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	19	36	2
12A81A0427	R32026	MANAGEMENT SCIENCE	21	51	4
12A81A0427	R32041	COMPUTER NETWORKS	18	49	4
12A81A0427	R32042	MICROWAVE ENGINEERING	23	17	0
12A81A0427	R32043	DIGITAL SIGNAL PROCESSING	14	31	4
12A81A0427	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	5	0
12A81A0427	R32045	VLSI DESIGN	16	47	4
12A81A0427	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
12A81A0427	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	42	2
12A81A0428	R32026	MANAGEMENT SCIENCE	22	44	4
12A81A0428	R32041	COMPUTER NETWORKS	18	43	4
12A81A0428	R32042	MICROWAVE ENGINEERING	17	36	4
12A81A0428	R32043	DIGITAL SIGNAL PROCESSING	11	33	4
12A81A0428	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	44	4
12A81A0428	R32045	VLSI DESIGN	18	27	4
12A81A0428	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	38	2
12A81A0428	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	40	2
12A81A0429	R32026	MANAGEMENT SCIENCE	22	43	4
12A81A0429	R32041	COMPUTER NETWORKS	21	37	4
12A81A0429	R32042	MICROWAVE ENGINEERING	23	52	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0429	R32043	DIGITAL SIGNAL PROCESSING	21	40	4
12A81A0429	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	44	4
12A81A0429	R32045	VLSI DESIGN	21	45	4
12A81A0429	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	40	2
12A81A0429	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	43	2
12A81A0430	R32026	MANAGEMENT SCIENCE	22	46	4
12A81A0430	R32041	COMPUTER NETWORKS	19	26	4
12A81A0430	R32042	MICROWAVE ENGINEERING	22	43	4
12A81A0430	R32043	DIGITAL SIGNAL PROCESSING	18	32	4
12A81A0430	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	36	4
12A81A0430	R32045	VLSI DESIGN	18	26	4
12A81A0430	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	42	2
12A81A0430	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	40	2
12A81A0431	R32026	MANAGEMENT SCIENCE	23	50	4
12A81A0431	R32041	COMPUTER NETWORKS	19	47	4
12A81A0431	R32042	MICROWAVE ENGINEERING	19	29	4
12A81A0431	R32043	DIGITAL SIGNAL PROCESSING	19	48	4
12A81A0431	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	16	0
12A81A0431	R32045	VLSI DESIGN	21	43	4
12A81A0431	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	44	2
12A81A0431	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	46	2
12A81A0432	R32026	MANAGEMENT SCIENCE	17	30	4
12A81A0432	R32041	COMPUTER NETWORKS	13	33	4
12A81A0432	R32042	MICROWAVE ENGINEERING	12	33	4
12A81A0432	R32043	DIGITAL SIGNAL PROCESSING	16	12	0
12A81A0432	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	14	14	0
12A81A0432	R32045	VLSI DESIGN	13	12	0
12A81A0432	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	13	25	2
12A81A0432	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	12	33	2
12A81A0433	R32026	MANAGEMENT SCIENCE	20	39	4
12A81A0433	R32041	COMPUTER NETWORKS	20	40	4
12A81A0433	R32042	MICROWAVE ENGINEERING	19	43	4
12A81A0433	R32043	DIGITAL SIGNAL PROCESSING	17	34	4
12A81A0433	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	30	4
12A81A0433	R32045	VLSI DESIGN	16	28	4
12A81A0433	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	43	2
12A81A0433	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	38	2
12A81A0434	R32026	MANAGEMENT SCIENCE	20	31	4
12A81A0434	R32041	COMPUTER NETWORKS	13	33	4
12A81A0434	R32042	MICROWAVE ENGINEERING	15	33	4
12A81A0434	R32043	DIGITAL SIGNAL PROCESSING	13	27	4
12A81A0434	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	9	0
12A81A0434	R32045	VLSI DESIGN	11	7	0
12A81A0434	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
12A81A0434	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	19	38	2
12A81A0435	R32026	MANAGEMENT SCIENCE	24	51	4
12A81A0435	R32041	COMPUTER NETWORKS	22	54	4
12A81A0435	R32042	MICROWAVE ENGINEERING	25	31	4
12A81A0435	R32043	DIGITAL SIGNAL PROCESSING	21	61	4
12A81A0435	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	30	4
12A81A0435	R32045	VLSI DESIGN	21	60	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0435	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
12A81A0435	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	48	2
12A81A0436	R32026	MANAGEMENT SCIENCE	20	37	4
12A81A0436	R32041	COMPUTER NETWORKS	19	42	4
12A81A0436	R32042	MICROWAVE ENGINEERING	21	50	4
12A81A0436	R32043	DIGITAL SIGNAL PROCESSING	18	34	4
12A81A0436	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	36	4
12A81A0436	R32045	VLSI DESIGN	19	29	4
12A81A0436	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
12A81A0436	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
12A81A0437	R32026	MANAGEMENT SCIENCE	18	41	4
12A81A0437	R32041	COMPUTER NETWORKS	13	35	4
12A81A0437	R32042	MICROWAVE ENGINEERING	16	37	4
12A81A0437	R32043	DIGITAL SIGNAL PROCESSING	16	34	4
12A81A0437	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	32	4
12A81A0437	R32045	VLSI DESIGN	20	27	4
12A81A0437	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	43	2
12A81A0437	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	42	2
12A81A0438	R32026	MANAGEMENT SCIENCE	25	59	4
12A81A0438	R32041	COMPUTER NETWORKS	23	40	4
12A81A0438	R32042	MICROWAVE ENGINEERING	24	61	4
12A81A0438	R32043	DIGITAL SIGNAL PROCESSING	22	48	4
12A81A0438	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	26	4
12A81A0438	R32045	VLSI DESIGN	23	26	4
12A81A0438	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
12A81A0438	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	48	2
12A81A0439	R32026	MANAGEMENT SCIENCE	22	45	4
12A81A0439	R32041	COMPUTER NETWORKS	19	62	4
12A81A0439	R32042	MICROWAVE ENGINEERING	18	31	4
12A81A0439	R32043	DIGITAL SIGNAL PROCESSING	15	14	0
12A81A0439	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	3	0
12A81A0439	R32045	VLSI DESIGN	18	42	4
12A81A0439	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	40	2
12A81A0439	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	39	2
12A81A0440	R32026	MANAGEMENT SCIENCE	22	42	4
12A81A0440	R32041	COMPUTER NETWORKS	16	37	4
12A81A0440	R32042	MICROWAVE ENGINEERING	20	36	4
12A81A0440	R32043	DIGITAL SIGNAL PROCESSING	19	26	4
12A81A0440	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	29	4
12A81A0440	R32045	VLSI DESIGN	19	27	4
12A81A0440	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12A81A0440	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	47	2
12A81A0441	R32026	MANAGEMENT SCIENCE	23	54	4
12A81A0441	R32041	COMPUTER NETWORKS	21	47	4
12A81A0441	R32042	MICROWAVE ENGINEERING	23	43	4
12A81A0441	R32043	DIGITAL SIGNAL PROCESSING	24	60	4
12A81A0441	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	57	4
12A81A0441	R32045	VLSI DESIGN	22	43	4
12A81A0441	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	40	2
12A81A0441	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	47	2
12A81A0442	R32026	MANAGEMENT SCIENCE	21	53	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0442	R32041	COMPUTER NETWORKS	22	51	4
12A81A0442	R32042	MICROWAVE ENGINEERING	22	48	4
12A81A0442	R32043	DIGITAL SIGNAL PROCESSING	23	49	4
12A81A0442	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	37	4
12A81A0442	R32045	VLSI DESIGN	21	29	4
12A81A0442	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	49	2
12A81A0442	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12A81A0445	R32026	MANAGEMENT SCIENCE	22	52	4
12A81A0445	R32041	COMPUTER NETWORKS	17	51	4
12A81A0445	R32042	MICROWAVE ENGINEERING	17	67	4
12A81A0445	R32043	DIGITAL SIGNAL PROCESSING	21	46	4
12A81A0445	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	33	4
12A81A0445	R32045	VLSI DESIGN	19	51	4
12A81A0445	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	46	2
12A81A0445	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	44	2
12A81A0446	R32026	MANAGEMENT SCIENCE	19	26	4
12A81A0446	R32041	COMPUTER NETWORKS	22	42	4
12A81A0446	R32042	MICROWAVE ENGINEERING	19	47	4
12A81A0446	R32043	DIGITAL SIGNAL PROCESSING	22	14	0
12A81A0446	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	42	4
12A81A0446	R32045	VLSI DESIGN	21	28	4
12A81A0446	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	42	2
12A81A0446	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	40	2
12A81A0447	R32026	MANAGEMENT SCIENCE	23	47	4
12A81A0447	R32041	COMPUTER NETWORKS	23	52	4
12A81A0447	R32042	MICROWAVE ENGINEERING	24	58	4
12A81A0447	R32043	DIGITAL SIGNAL PROCESSING	21	51	4
12A81A0447	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	40	4
12A81A0447	R32045	VLSI DESIGN	23	51	4
12A81A0447	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	46	2
12A81A0447	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	44	2
12A81A0448	R32026	MANAGEMENT SCIENCE	23	53	4
12A81A0448	R32041	COMPUTER NETWORKS	20	49	4
12A81A0448	R32042	MICROWAVE ENGINEERING	24	56	4
12A81A0448	R32043	DIGITAL SIGNAL PROCESSING	21	37	4
12A81A0448	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	46	4
12A81A0448	R32045	VLSI DESIGN	21	37	4
12A81A0448	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	45	2
12A81A0448	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	44	2
12A81A0449	R32026	MANAGEMENT SCIENCE	24	48	4
12A81A0449	R32041	COMPUTER NETWORKS	19	64	4
12A81A0449	R32042	MICROWAVE ENGINEERING	25	65	4
12A81A0449	R32043	DIGITAL SIGNAL PROCESSING	20	43	4
12A81A0449	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	36	4
12A81A0449	R32045	VLSI DESIGN	21	45	4
12A81A0449	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	42	2
12A81A0449	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	44	2
12A81A0450	R32026	MANAGEMENT SCIENCE	20	37	4
12A81A0450	R32041	COMPUTER NETWORKS	15	42	4
12A81A0450	R32042	MICROWAVE ENGINEERING	16	34	4
12A81A0450	R32043	DIGITAL SIGNAL PROCESSING	11	33	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0450	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	9	0
12A81A0450	R32045	VLSI DESIGN	11	15	0
12A81A0450	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	41	2
12A81A0450	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	45	2
12A81A0452	R32026	MANAGEMENT SCIENCE	21	37	4
12A81A0452	R32041	COMPUTER NETWORKS	17	36	4
12A81A0452	R32042	MICROWAVE ENGINEERING	22	45	4
12A81A0452	R32043	DIGITAL SIGNAL PROCESSING	15	40	4
12A81A0452	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	51	4
12A81A0452	R32045	VLSI DESIGN	16	19	0
12A81A0452	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	40	2
12A81A0452	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	40	2
12A81A0453	R32026	MANAGEMENT SCIENCE	23	62	4
12A81A0453	R32041	COMPUTER NETWORKS	18	43	4
12A81A0453	R32042	MICROWAVE ENGINEERING	25	41	4
12A81A0453	R32043	DIGITAL SIGNAL PROCESSING	21	28	4
12A81A0453	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	26	4
12A81A0453	R32045	VLSI DESIGN	20	40	4
12A81A0453	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	46	2
12A81A0453	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	40	2
12A81A0454	R32026	MANAGEMENT SCIENCE	17	55	4
12A81A0454	R32041	COMPUTER NETWORKS	15	56	4
12A81A0454	R32042	MICROWAVE ENGINEERING	19	55	4
12A81A0454	R32043	DIGITAL SIGNAL PROCESSING	21	48	4
12A81A0454	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	34	4
12A81A0454	R32045	VLSI DESIGN	19	56	4
12A81A0454	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	45	2
12A81A0454	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	40	2
12A81A0455	R32026	MANAGEMENT SCIENCE	23	39	4
12A81A0455	R32041	COMPUTER NETWORKS	24	60	4
12A81A0455	R32042	MICROWAVE ENGINEERING	25	57	4
12A81A0455	R32043	DIGITAL SIGNAL PROCESSING	22	41	4
12A81A0455	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	34	4
12A81A0455	R32045	VLSI DESIGN	20	38	4
12A81A0455	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	42	2
12A81A0455	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	42	2
12A81A0456	R32026	MANAGEMENT SCIENCE	22	14	0
12A81A0456	R32041	COMPUTER NETWORKS	16	34	4
12A81A0456	R32042	MICROWAVE ENGINEERING	23	37	4
12A81A0456	R32043	DIGITAL SIGNAL PROCESSING	14	33	4
12A81A0456	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	26	4
12A81A0456	R32045	VLSI DESIGN	14	20	0
12A81A0456	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	41	2
12A81A0456	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	38	2
12A81A0457	R32026	MANAGEMENT SCIENCE	21	50	4
12A81A0457	R32041	COMPUTER NETWORKS	22	45	4
12A81A0457	R32042	MICROWAVE ENGINEERING	24	51	4
12A81A0457	R32043	DIGITAL SIGNAL PROCESSING	21	34	4
12A81A0457	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	35	4
12A81A0457	R32045	VLSI DESIGN	21	30	4
12A81A0457	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0457	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	48	2
12A81A0458	R32026	MANAGEMENT SCIENCE	13	44	4
12A81A0458	R32041	COMPUTER NETWORKS	20	51	4
12A81A0458	R32042	MICROWAVE ENGINEERING	22	42	4
12A81A0458	R32043	DIGITAL SIGNAL PROCESSING	16	38	4
12A81A0458	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	28	4
12A81A0458	R32045	VLSI DESIGN	21	48	4
12A81A0458	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	43	2
12A81A0458	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	14	40	2
12A81A0459	R32026	MANAGEMENT SCIENCE	17	37	4
12A81A0459	R32041	COMPUTER NETWORKS	16	43	4
12A81A0459	R32042	MICROWAVE ENGINEERING	19	39	4
12A81A0459	R32043	DIGITAL SIGNAL PROCESSING	8	33	4
12A81A0459	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	32	4
12A81A0459	R32045	VLSI DESIGN	15	33	4
12A81A0459	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	42	2
12A81A0459	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	16	36	2
12A81A0460	R32026	MANAGEMENT SCIENCE	23	35	4
12A81A0460	R32041	COMPUTER NETWORKS	18	35	4
12A81A0460	R32042	MICROWAVE ENGINEERING	20	44	4
12A81A0460	R32043	DIGITAL SIGNAL PROCESSING	20	26	4
12A81A0460	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	42	4
12A81A0460	R32045	VLSI DESIGN	19	31	4
12A81A0460	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	44	2
12A81A0460	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	44	2
12A81A0461	R32026	MANAGEMENT SCIENCE	18	26	4
12A81A0461	R32041	COMPUTER NETWORKS	18	45	4
12A81A0461	R32042	MICROWAVE ENGINEERING	11	12	0
12A81A0461	R32043	DIGITAL SIGNAL PROCESSING	7	33	4
12A81A0461	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	9	26	0
12A81A0461	R32045	VLSI DESIGN	11	23	0
12A81A0461	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	17	35	2
12A81A0461	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	35	2
12A81A0462	R32026	MANAGEMENT SCIENCE	19	60	4
12A81A0462	R32041	COMPUTER NETWORKS	23	64	4
12A81A0462	R32042	MICROWAVE ENGINEERING	24	52	4
12A81A0462	R32043	DIGITAL SIGNAL PROCESSING	24	53	4
12A81A0462	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	39	4
12A81A0462	R32045	VLSI DESIGN	19	47	4
12A81A0462	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	46	2
12A81A0462	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	47	2
12A81A0463	R32026	MANAGEMENT SCIENCE	19	51	4
12A81A0463	R32041	COMPUTER NETWORKS	22	52	4
12A81A0463	R32042	MICROWAVE ENGINEERING	21	48	4
12A81A0463	R32043	DIGITAL SIGNAL PROCESSING	24	50	4
12A81A0463	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	41	4
12A81A0463	R32045	VLSI DESIGN	22	44	4
12A81A0463	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	49	2
12A81A0463	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12A81A0464	R32026	MANAGEMENT SCIENCE	19	36	4
12A81A0464	R32041	COMPUTER NETWORKS	16	37	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0464	R32042	MICROWAVE ENGINEERING	21	37	4
12A81A0464	R32043	DIGITAL SIGNAL PROCESSING	17	60	4
12A81A0464	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	43	4
12A81A0464	R32045	VLSI DESIGN	22	43	4
12A81A0464	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	46	2
12A81A0464	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	42	2
12A81A0465	R32026	MANAGEMENT SCIENCE	17	39	4
12A81A0465	R32041	COMPUTER NETWORKS	20	26	4
12A81A0465	R32042	MICROWAVE ENGINEERING	21	33	4
12A81A0465	R32043	DIGITAL SIGNAL PROCESSING	22	37	4
12A81A0465	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	27	4
12A81A0465	R32045	VLSI DESIGN	19	28	4
12A81A0465	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	39	2
12A81A0465	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	40	2
12A81A0466	R32026	MANAGEMENT SCIENCE	21	48	4
12A81A0466	R32041	COMPUTER NETWORKS	23	53	4
12A81A0466	R32042	MICROWAVE ENGINEERING	24	36	4
12A81A0466	R32043	DIGITAL SIGNAL PROCESSING	23	42	4
12A81A0466	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	33	4
12A81A0466	R32045	VLSI DESIGN	24	36	4
12A81A0466	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	44	2
12A81A0466	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	47	2
12A81A0467	R32026	MANAGEMENT SCIENCE	22	34	4
12A81A0467	R32041	COMPUTER NETWORKS	19	38	4
12A81A0467	R32042	MICROWAVE ENGINEERING	21	42	4
12A81A0467	R32043	DIGITAL SIGNAL PROCESSING	19	26	4
12A81A0467	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	29	4
12A81A0467	R32045	VLSI DESIGN	23	13	0
12A81A0467	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	45	2
12A81A0467	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	45	2
12A81A0468	R32026	MANAGEMENT SCIENCE	23	40	4
12A81A0468	R32041	COMPUTER NETWORKS	22	36	4
12A81A0468	R32042	MICROWAVE ENGINEERING	21	39	4
12A81A0468	R32043	DIGITAL SIGNAL PROCESSING	23	46	4
12A81A0468	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	38	4
12A81A0468	R32045	VLSI DESIGN	23	43	4
12A81A0468	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	41	2
12A81A0468	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	45	2
12A81A0469	R32026	MANAGEMENT SCIENCE	21	54	4
12A81A0469	R32041	COMPUTER NETWORKS	21	45	4
12A81A0469	R32042	MICROWAVE ENGINEERING	23	48	4
12A81A0469	R32043	DIGITAL SIGNAL PROCESSING	22	43	4
12A81A0469	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	39	4
12A81A0469	R32045	VLSI DESIGN	24	41	4
12A81A0469	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	45	2
12A81A0469	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12A81A0470	R32026	MANAGEMENT SCIENCE	21	42	4
12A81A0470	R32041	COMPUTER NETWORKS	16	40	4
12A81A0470	R32042	MICROWAVE ENGINEERING	16	39	4
12A81A0470	R32043	DIGITAL SIGNAL PROCESSING	13	31	4
12A81A0470	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	26	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0470	R32045	VLSI DESIGN	15	30	4
12A81A0470	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	39	2
12A81A0470	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	18	32	2
12A81A0471	R32026	MANAGEMENT SCIENCE	17	38	4
12A81A0471	R32041	COMPUTER NETWORKS	15	39	4
12A81A0471	R32042	MICROWAVE ENGINEERING	17	44	4
12A81A0471	R32043	DIGITAL SIGNAL PROCESSING	16	33	4
12A81A0471	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	21	35	4
12A81A0471	R32045	VLSI DESIGN	18	36	4
12A81A0471	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	25	2
12A81A0471	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	35	2
12A81A0472	R32026	MANAGEMENT SCIENCE	19	34	4
12A81A0472	R32041	COMPUTER NETWORKS	23	41	4
12A81A0472	R32042	MICROWAVE ENGINEERING	21	37	4
12A81A0472	R32043	DIGITAL SIGNAL PROCESSING	21	42	4
12A81A0472	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	19	40	4
12A81A0472	R32045	VLSI DESIGN	24	46	4
12A81A0472	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
12A81A0472	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12A81A0473	R32026	MANAGEMENT SCIENCE	20	44	4
12A81A0473	R32041	COMPUTER NETWORKS	21	48	4
12A81A0473	R32042	MICROWAVE ENGINEERING	24	46	4
12A81A0473	R32043	DIGITAL SIGNAL PROCESSING	21	43	4
12A81A0473	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	20	29	4
12A81A0473	R32045	VLSI DESIGN	19	29	4
12A81A0473	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	33	2
12A81A0473	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	45	2
12A81A0474	R32026	MANAGEMENT SCIENCE	19	42	4
12A81A0474	R32041	COMPUTER NETWORKS	16	31	4
12A81A0474	R32042	MICROWAVE ENGINEERING	16	26	4
12A81A0474	R32043	DIGITAL SIGNAL PROCESSING	16	17	0
12A81A0474	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	15	17	0
12A81A0474	R32045	VLSI DESIGN	16	30	4
12A81A0474	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	17	32	2
12A81A0474	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	37	2
12A81A0475	R32026	MANAGEMENT SCIENCE	15	42	4
12A81A0475	R32041	COMPUTER NETWORKS	20	47	4
12A81A0475	R32042	MICROWAVE ENGINEERING	20	40	4
12A81A0475	R32043	DIGITAL SIGNAL PROCESSING	14	38	4
12A81A0475	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	19	46	4
12A81A0475	R32045	VLSI DESIGN	13	34	4
12A81A0475	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	41	2
12A81A0475	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	42	2
12A81A0476	R32026	MANAGEMENT SCIENCE	19	37	4
12A81A0476	R32041	COMPUTER NETWORKS	23	37	4
12A81A0476	R32042	MICROWAVE ENGINEERING	20	50	4
12A81A0476	R32043	DIGITAL SIGNAL PROCESSING	24	48	4
12A81A0476	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	25	49	4
12A81A0476	R32045	VLSI DESIGN	22	46	4
12A81A0476	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	46	2
12A81A0476	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	48	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0477	R32026	MANAGEMENT SCIENCE	20	46	4
12A81A0477	R32041	COMPUTER NETWORKS	20	44	4
12A81A0477	R32042	MICROWAVE ENGINEERING	20	47	4
12A81A0477	R32043	DIGITAL SIGNAL PROCESSING	20	38	4
12A81A0477	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	45	4
12A81A0477	R32045	VLSI DESIGN	23	38	4
12A81A0477	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	40	2
12A81A0477	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	46	2
12A81A0478	R32026	MANAGEMENT SCIENCE	18	46	4
12A81A0478	R32041	COMPUTER NETWORKS	22	56	4
12A81A0478	R32042	MICROWAVE ENGINEERING	23	35	4
12A81A0478	R32043	DIGITAL SIGNAL PROCESSING	17	26	4
12A81A0478	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	13	0
12A81A0478	R32045	VLSI DESIGN	17	28	4
12A81A0478	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	38	2
12A81A0478	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	38	2
12A81A0479	R32026	MANAGEMENT SCIENCE	14	35	4
12A81A0479	R32041	COMPUTER NETWORKS	18	38	4
12A81A0479	R32042	MICROWAVE ENGINEERING	18	32	4
12A81A0479	R32043	DIGITAL SIGNAL PROCESSING	14	3	0
12A81A0479	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	31	4
12A81A0479	R32045	VLSI DESIGN	16	16	0
12A81A0479	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	38	2
12A81A0479	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	40	2
12A81A0480	R32026	MANAGEMENT SCIENCE	20	34	4
12A81A0480	R32041	COMPUTER NETWORKS	17	33	4
12A81A0480	R32042	MICROWAVE ENGINEERING	20	32	4
12A81A0480	R32043	DIGITAL SIGNAL PROCESSING	14	34	4
12A81A0480	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	14	30	4
12A81A0480	R32045	VLSI DESIGN	18	27	4
12A81A0480	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	40	2
12A81A0480	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	38	2
12A81A0481	R32026	MANAGEMENT SCIENCE	22	33	4
12A81A0481	R32041	COMPUTER NETWORKS	23	56	4
12A81A0481	R32042	MICROWAVE ENGINEERING	24	48	4
12A81A0481	R32043	DIGITAL SIGNAL PROCESSING	22	39	4
12A81A0481	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	34	4
12A81A0481	R32045	VLSI DESIGN	25	31	4
12A81A0481	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	47	2
12A81A0481	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	48	2
12A81A0482	R32026	MANAGEMENT SCIENCE	21	47	4
12A81A0482	R32041	COMPUTER NETWORKS	19	47	4
12A81A0482	R32042	MICROWAVE ENGINEERING	18	36	4
12A81A0482	R32043	DIGITAL SIGNAL PROCESSING	5	35	4
12A81A0482	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	20	0
12A81A0482	R32045	VLSI DESIGN	15	41	4
12A81A0482	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	37	2
12A81A0482	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
12A81A0483	R32026	MANAGEMENT SCIENCE	21	53	4
12A81A0483	R32041	COMPUTER NETWORKS	20	45	4
12A81A0483	R32042	MICROWAVE ENGINEERING	21	42	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0483	R32043	DIGITAL SIGNAL PROCESSING	18	41	4
12A81A0483	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	42	4
12A81A0483	R32045	VLSI DESIGN	17	38	4
12A81A0483	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	40	2
12A81A0483	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	43	2
12A81A0484	R32026	MANAGEMENT SCIENCE	17	11	0
12A81A0484	R32041	COMPUTER NETWORKS	13	34	4
12A81A0484	R32042	MICROWAVE ENGINEERING	18	10	0
12A81A0484	R32043	DIGITAL SIGNAL PROCESSING	11	2	0
12A81A0484	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	3	0
12A81A0484	R32045	VLSI DESIGN	3	18	0
12A81A0484	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	35	2
12A81A0484	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	40	2
12A81A0485	R32026	MANAGEMENT SCIENCE	22	33	4
12A81A0485	R32041	COMPUTER NETWORKS	22	40	4
12A81A0485	R32042	MICROWAVE ENGINEERING	20	15	0
12A81A0485	R32043	DIGITAL SIGNAL PROCESSING	17	26	4
12A81A0485	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	40	4
12A81A0485	R32045	VLSI DESIGN	22	26	4
12A81A0485	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	31	2
12A81A0485	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	40	2
12A81A0486	R32026	MANAGEMENT SCIENCE	21	47	4
12A81A0486	R32041	COMPUTER NETWORKS	23	67	4
12A81A0486	R32042	MICROWAVE ENGINEERING	24	36	4
12A81A0486	R32043	DIGITAL SIGNAL PROCESSING	19	39	4
12A81A0486	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	28	4
12A81A0486	R32045	VLSI DESIGN	21	41	4
12A81A0486	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	43	2
12A81A0486	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	40	2
12A81A0487	R32026	MANAGEMENT SCIENCE	20	33	4
12A81A0487	R32041	COMPUTER NETWORKS	18	36	4
12A81A0487	R32042	MICROWAVE ENGINEERING	17	32	4
12A81A0487	R32043	DIGITAL SIGNAL PROCESSING	9	0	0
12A81A0487	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	29	4
12A81A0487	R32045	VLSI DESIGN	15	27	4
12A81A0487	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	41	2
12A81A0487	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	37	2
12A81A0488	R32026	MANAGEMENT SCIENCE	19	45	4
12A81A0488	R32041	COMPUTER NETWORKS	19	40	4
12A81A0488	R32042	MICROWAVE ENGINEERING	21	43	4
12A81A0488	R32043	DIGITAL SIGNAL PROCESSING	21	35	4
12A81A0488	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	36	4
12A81A0488	R32045	VLSI DESIGN	20	54	4
12A81A0488	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	45	2
12A81A0488	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	47	2
12A81A0489	R32026	MANAGEMENT SCIENCE	7	41	4
12A81A0489	R32041	COMPUTER NETWORKS	13	32	4
12A81A0489	R32042	MICROWAVE ENGINEERING	15	15	0
12A81A0489	R32043	DIGITAL SIGNAL PROCESSING	13	7	0
12A81A0489	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	10	15	0
12A81A0489	R32045	VLSI DESIGN	21	26	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0489	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	16	27	2
12A81A0489	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	19	32	2
12A81A0490	R32026	MANAGEMENT SCIENCE	18	55	4
12A81A0490	R32041	COMPUTER NETWORKS	18	61	4
12A81A0490	R32042	MICROWAVE ENGINEERING	21	37	4
12A81A0490	R32043	DIGITAL SIGNAL PROCESSING	19	56	4
12A81A0490	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	13	0
12A81A0490	R32045	VLSI DESIGN	13	50	4
12A81A0490	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	45	2
12A81A0490	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	42	2
12A81A0491	R32026	MANAGEMENT SCIENCE	20	38	4
12A81A0491	R32041	COMPUTER NETWORKS	18	50	4
12A81A0491	R32042	MICROWAVE ENGINEERING	19	44	4
12A81A0491	R32043	DIGITAL SIGNAL PROCESSING	22	26	4
12A81A0491	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	35	4
12A81A0491	R32045	VLSI DESIGN	22	26	4
12A81A0491	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
12A81A0491	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	44	2
12A81A0492	R32026	MANAGEMENT SCIENCE	21	41	4
12A81A0492	R32041	COMPUTER NETWORKS	23	42	4
12A81A0492	R32042	MICROWAVE ENGINEERING	20	35	4
12A81A0492	R32043	DIGITAL SIGNAL PROCESSING	24	43	4
12A81A0492	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	38	4
12A81A0492	R32045	VLSI DESIGN	22	47	4
12A81A0492	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	46	2
12A81A0492	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	33	2
12A81A0493	R32026	MANAGEMENT SCIENCE	18	41	4
12A81A0493	R32041	COMPUTER NETWORKS	21	50	4
12A81A0493	R32042	MICROWAVE ENGINEERING	20	59	4
12A81A0493	R32043	DIGITAL SIGNAL PROCESSING	19	26	4
12A81A0493	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	27	4
12A81A0493	R32045	VLSI DESIGN	15	34	4
12A81A0493	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	31	2
12A81A0493	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	42	2
12A81A0494	R32026	MANAGEMENT SCIENCE	23	48	4
12A81A0494	R32041	COMPUTER NETWORKS	22	61	4
12A81A0494	R32042	MICROWAVE ENGINEERING	24	42	4
12A81A0494	R32043	DIGITAL SIGNAL PROCESSING	22	42	4
12A81A0494	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	30	4
12A81A0494	R32045	VLSI DESIGN	25	59	4
12A81A0494	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	46	2
12A81A0494	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	45	2
12A81A0495	R32026	MANAGEMENT SCIENCE	22	42	4
12A81A0495	R32041	COMPUTER NETWORKS	23	47	4
12A81A0495	R32042	MICROWAVE ENGINEERING	23	51	4
12A81A0495	R32043	DIGITAL SIGNAL PROCESSING	24	45	4
12A81A0495	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	32	4
12A81A0495	R32045	VLSI DESIGN	23	42	4
12A81A0495	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
12A81A0495	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
12A81A0497	R32026	MANAGEMENT SCIENCE	21	44	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0497	R32041	COMPUTER NETWORKS	23	41	4
12A81A0497	R32042	MICROWAVE ENGINEERING	21	46	4
12A81A0497	R32043	DIGITAL SIGNAL PROCESSING	21	37	4
12A81A0497	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	48	4
12A81A0497	R32045	VLSI DESIGN	22	33	4
12A81A0497	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	25	2
12A81A0497	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	40	2
12A81A0498	R32026	MANAGEMENT SCIENCE	18	49	4
12A81A0498	R32041	COMPUTER NETWORKS	17	49	4
12A81A0498	R32042	MICROWAVE ENGINEERING	19	33	4
12A81A0498	R32043	DIGITAL SIGNAL PROCESSING	18	26	4
12A81A0498	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	34	4
12A81A0498	R32045	VLSI DESIGN	15	28	4
12A81A0498	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	39	2
12A81A0498	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	40	2
12A81A0499	R32026	MANAGEMENT SCIENCE	20	49	4
12A81A0499	R32041	COMPUTER NETWORKS	22	66	4
12A81A0499	R32042	MICROWAVE ENGINEERING	24	55	4
12A81A0499	R32043	DIGITAL SIGNAL PROCESSING	18	53	4
12A81A0499	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	29	4
12A81A0499	R32045	VLSI DESIGN	22	51	4
12A81A0499	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	42	2
12A81A0499	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	40	2
12A81A04A0	R32026	MANAGEMENT SCIENCE	16	42	4
12A81A04A0	R32041	COMPUTER NETWORKS	19	42	4
12A81A04A0	R32042	MICROWAVE ENGINEERING	19	35	4
12A81A04A0	R32043	DIGITAL SIGNAL PROCESSING	17	11	0
12A81A04A0	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	31	4
12A81A04A0	R32045	VLSI DESIGN	19	29	4
12A81A04A0	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	28	2
12A81A04A0	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	43	2
12A81A04A1	R32026	MANAGEMENT SCIENCE	19	34	4
12A81A04A1	R32041	COMPUTER NETWORKS	18	36	4
12A81A04A1	R32042	MICROWAVE ENGINEERING	18	29	4
12A81A04A1	R32043	DIGITAL SIGNAL PROCESSING	12	0	0
12A81A04A1	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	30	4
12A81A04A1	R32045	VLSI DESIGN	17	16	0
12A81A04A1	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	30	2
12A81A04A1	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	34	2
12A81A04A2	R32026	MANAGEMENT SCIENCE	19	40	4
12A81A04A2	R32041	COMPUTER NETWORKS	23	43	4
12A81A04A2	R32042	MICROWAVE ENGINEERING	24	48	4
12A81A04A2	R32043	DIGITAL SIGNAL PROCESSING	20	43	4
12A81A04A2	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	41	4
12A81A04A2	R32045	VLSI DESIGN	24	29	4
12A81A04A2	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	41	2
12A81A04A2	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	42	2
12A81A04A3	R32026	MANAGEMENT SCIENCE	22	50	4
12A81A04A3	R32041	COMPUTER NETWORKS	24	57	4
12A81A04A3	R32042	MICROWAVE ENGINEERING	22	58	4
12A81A04A3	R32043	DIGITAL SIGNAL PROCESSING	23	49	4

Htno	Subcode	Subname	Internal	External	credits
12A81A04A3	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	31	4
12A81A04A3	R32045	VLSI DESIGN	23	57	4
12A81A04A3	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	40	2
12A81A04A3	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	45	2
12A81A04A4	R32026	MANAGEMENT SCIENCE	21	42	4
12A81A04A4	R32041	COMPUTER NETWORKS	20	51	4
12A81A04A4	R32042	MICROWAVE ENGINEERING	21	46	4
12A81A04A4	R32043	DIGITAL SIGNAL PROCESSING	15	12	0
12A81A04A4	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	14	44	4
12A81A04A4	R32045	VLSI DESIGN	14	28	4
12A81A04A4	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
12A81A04A4	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
12A81A04A5	R32026	MANAGEMENT SCIENCE	17	11	0
12A81A04A5	R32041	COMPUTER NETWORKS	20	37	4
12A81A04A5	R32042	MICROWAVE ENGINEERING	19	31	4
12A81A04A5	R32043	DIGITAL SIGNAL PROCESSING	12	0	0
12A81A04A5	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	0	0
12A81A04A5	R32045	VLSI DESIGN	12	1	0
12A81A04A5	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	38	2
12A81A04A5	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	19	36	2
12A81A04A6	R32026	MANAGEMENT SCIENCE	20	36	4
12A81A04A6	R32041	COMPUTER NETWORKS	22	56	4
12A81A04A6	R32042	MICROWAVE ENGINEERING	23	43	4
12A81A04A6	R32043	DIGITAL SIGNAL PROCESSING	20	27	4
12A81A04A6	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	44	4
12A81A04A6	R32045	VLSI DESIGN	23	30	4
12A81A04A6	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	45	2
12A81A04A6	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	40	2
12A81A04A7	R32026	MANAGEMENT SCIENCE	22	49	4
12A81A04A7	R32041	COMPUTER NETWORKS	22	59	4
12A81A04A7	R32042	MICROWAVE ENGINEERING	22	49	4
12A81A04A7	R32043	DIGITAL SIGNAL PROCESSING	18	53	4
12A81A04A7	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	38	4
12A81A04A7	R32045	VLSI DESIGN	20	57	4
12A81A04A7	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
12A81A04A7	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	43	2
12A81A04A8	R32026	MANAGEMENT SCIENCE	8	20	0
12A81A04A8	R32041	COMPUTER NETWORKS	14	27	4
12A81A04A8	R32042	MICROWAVE ENGINEERING	17	26	4
12A81A04A8	R32043	DIGITAL SIGNAL PROCESSING	7	0	0
12A81A04A8	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	12	0	0
12A81A04A8	R32045	VLSI DESIGN	7	2	0
12A81A04A8	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	16	29	2
12A81A04A8	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	42	2
12A81A04A9	R32026	MANAGEMENT SCIENCE	20	33	4
12A81A04A9	R32041	COMPUTER NETWORKS	15	40	4
12A81A04A9	R32042	MICROWAVE ENGINEERING	20	36	4
12A81A04A9	R32043	DIGITAL SIGNAL PROCESSING	22	26	4
12A81A04A9	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	46	4
12A81A04A9	R32045	VLSI DESIGN	20	28	4
12A81A04A9	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2

Htno	Subcode	Subname	Internal	External	credits
12A81A04A9	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	40	2
12A81A04B0	R32026	MANAGEMENT SCIENCE	17	42	4
12A81A04B0	R32041	COMPUTER NETWORKS	19	50	4
12A81A04B0	R32042	MICROWAVE ENGINEERING	20	33	4
12A81A04B0	R32043	DIGITAL SIGNAL PROCESSING	19	34	4
12A81A04B0	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	37	4
12A81A04B0	R32045	VLSI DESIGN	17	26	4
12A81A04B0	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	30	2
12A81A04B0	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	40	2
12A81A04B1	R32026	MANAGEMENT SCIENCE	16	29	4
12A81A04B1	R32041	COMPUTER NETWORKS	15	34	4
12A81A04B1	R32042	MICROWAVE ENGINEERING	15	11	0
12A81A04B1	R32043	DIGITAL SIGNAL PROCESSING	10	0	0
12A81A04B1	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	11	0	0
12A81A04B1	R32045	VLSI DESIGN	11	7	0
12A81A04B1	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	30	2
12A81A04B1	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
12A81A04B2	R32026	MANAGEMENT SCIENCE	8	33	4
12A81A04B2	R32041	COMPUTER NETWORKS	10	30	4
12A81A04B2	R32042	MICROWAVE ENGINEERING	13	29	4
12A81A04B2	R32043	DIGITAL SIGNAL PROCESSING	8	0	0
12A81A04B2	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	9	0	0
12A81A04B2	R32045	VLSI DESIGN	5	0	0
12A81A04B2	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	33	2
12A81A04B2	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	19	41	2
12A81A0501	R32026	MANAGEMENT SCIENCE	21	42	4
12A81A0501	R32051	ADVANCED COMPUTER NETWORKS	21	61	4
12A81A0501	R32052	COMPUTER ARCHITECTURE	23	55	4
12A81A0501	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	61	4
12A81A0501	R32054	UNIX PROGRAMMING	24	44	4
12A81A0501	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	51	4
12A81A0501	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
12A81A0501	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
12A81A0502	R32026	MANAGEMENT SCIENCE	18	41	4
12A81A0502	R32051	ADVANCED COMPUTER NETWORKS	18	41	4
12A81A0502	R32052	COMPUTER ARCHITECTURE	20	46	4
12A81A0502	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	30	4
12A81A0502	R32054	UNIX PROGRAMMING	14	29	4
12A81A0502	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	38	4
12A81A0502	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
12A81A0502	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	42	2
12A81A0504	R32026	MANAGEMENT SCIENCE	21	48	4
12A81A0504	R32051	ADVANCED COMPUTER NETWORKS	20	46	4
12A81A0504	R32052	COMPUTER ARCHITECTURE	24	45	4
12A81A0504	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	56	4
12A81A0504	R32054	UNIX PROGRAMMING	20	57	4
12A81A0504	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	64	4
12A81A0504	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
12A81A0504	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12A81A0506	R32026	MANAGEMENT SCIENCE	14	37	4
12A81A0506	R32051	ADVANCED COMPUTER NETWORKS	15	31	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0506	R32052	COMPUTER ARCHITECTURE	21	48	4
12A81A0506	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	46	4
12A81A0506	R32054	UNIX PROGRAMMING	17	33	4
12A81A0506	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	49	4
12A81A0506	R32057	COMPUTER NETWORKS AND UNIX LAB	24	43	2
12A81A0506	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	37	2
12A81A0507	R32026	MANAGEMENT SCIENCE	14	35	4
12A81A0507	R32051	ADVANCED COMPUTER NETWORKS	14	33	4
12A81A0507	R32052	COMPUTER ARCHITECTURE	22	29	4
12A81A0507	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	26	4
12A81A0507	R32054	UNIX PROGRAMMING	18	27	4
12A81A0507	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	28	4
12A81A0507	R32057	COMPUTER NETWORKS AND UNIX LAB	18	40	2
12A81A0507	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	32	2
12A81A0508	R32026	MANAGEMENT SCIENCE	22	41	4
12A81A0508	R32051	ADVANCED COMPUTER NETWORKS	18	48	4
12A81A0508	R32052	COMPUTER ARCHITECTURE	21	34	4
12A81A0508	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	37	4
12A81A0508	R32054	UNIX PROGRAMMING	22	41	4
12A81A0508	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	41	4
12A81A0508	R32057	COMPUTER NETWORKS AND UNIX LAB	23	48	2
12A81A0508	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
12A81A0509	R32026	MANAGEMENT SCIENCE	17	54	4
12A81A0509	R32051	ADVANCED COMPUTER NETWORKS	22	54	4
12A81A0509	R32052	COMPUTER ARCHITECTURE	23	37	4
12A81A0509	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	58	4
12A81A0509	R32054	UNIX PROGRAMMING	20	41	4
12A81A0509	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	61	4
12A81A0509	R32057	COMPUTER NETWORKS AND UNIX LAB	24	49	2
12A81A0509	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	40	2
12A81A0510	R32026	MANAGEMENT SCIENCE	16	54	4
12A81A0510	R32051	ADVANCED COMPUTER NETWORKS	16	33	4
12A81A0510	R32052	COMPUTER ARCHITECTURE	18	41	4
12A81A0510	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	38	4
12A81A0510	R32054	UNIX PROGRAMMING	16	32	4
12A81A0510	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	58	4
12A81A0510	R32057	COMPUTER NETWORKS AND UNIX LAB	22	41	2
12A81A0510	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	38	2
12A81A0511	R32026	MANAGEMENT SCIENCE	20	41	4
12A81A0511	R32051	ADVANCED COMPUTER NETWORKS	22	49	4
12A81A0511	R32052	COMPUTER ARCHITECTURE	21	52	4
12A81A0511	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	49	4
12A81A0511	R32054	UNIX PROGRAMMING	17	43	4
12A81A0511	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	50	4
12A81A0511	R32057	COMPUTER NETWORKS AND UNIX LAB	25	48	2
12A81A0511	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	48	2
12A81A0512	R32026	MANAGEMENT SCIENCE	6	34	4
12A81A0512	R32051	ADVANCED COMPUTER NETWORKS	12	33	4
12A81A0512	R32052	COMPUTER ARCHITECTURE	19	29	4
12A81A0512	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	21	0
12A81A0512	R32054	UNIX PROGRAMMING	19	31	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0512	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	30	4
12A81A0512	R32057	COMPUTER NETWORKS AND UNIX LAB	20	45	2
12A81A0512	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	35	2
12A81A0513	R32026	MANAGEMENT SCIENCE	18	46	4
12A81A0513	R32051	ADVANCED COMPUTER NETWORKS	19	51	4
12A81A0513	R32052	COMPUTER ARCHITECTURE	21	45	4
12A81A0513	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	54	4
12A81A0513	R32054	UNIX PROGRAMMING	22	48	4
12A81A0513	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	57	4
12A81A0513	R32057	COMPUTER NETWORKS AND UNIX LAB	24	46	2
12A81A0513	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	45	2
12A81A0514	R32026	MANAGEMENT SCIENCE	15	50	4
12A81A0514	R32051	ADVANCED COMPUTER NETWORKS	19	38	4
12A81A0514	R32052	COMPUTER ARCHITECTURE	19	41	4
12A81A0514	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	43	4
12A81A0514	R32054	UNIX PROGRAMMING	17	43	4
12A81A0514	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	60	4
12A81A0514	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
12A81A0514	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	49	2
12A81A0515	R32026	MANAGEMENT SCIENCE	11	20	0
12A81A0515	R32051	ADVANCED COMPUTER NETWORKS	12	30	4
12A81A0515	R32052	COMPUTER ARCHITECTURE	14	16	0
12A81A0515	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	12	13	0
12A81A0515	R32054	UNIX PROGRAMMING	12	7	0
12A81A0515	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	12	8	0
12A81A0515	R32057	COMPUTER NETWORKS AND UNIX LAB	22	47	2
12A81A0515	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	15	0
12A81A0516	R32026	MANAGEMENT SCIENCE	15	47	4
12A81A0516	R32051	ADVANCED COMPUTER NETWORKS	19	50	4
12A81A0516	R32052	COMPUTER ARCHITECTURE	19	42	4
12A81A0516	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	11	40	4
12A81A0516	R32054	UNIX PROGRAMMING	10	37	4
12A81A0516	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	38	4
12A81A0516	R32057	COMPUTER NETWORKS AND UNIX LAB	23	45	2
12A81A0516	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	19	37	2
12A81A0517	R32026	MANAGEMENT SCIENCE	17	31	4
12A81A0517	R32051	ADVANCED COMPUTER NETWORKS	18	36	4
12A81A0517	R32052	COMPUTER ARCHITECTURE	20	15	0
12A81A0517	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	37	4
12A81A0517	R32054	UNIX PROGRAMMING	16	30	4
12A81A0517	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	37	4
12A81A0517	R32057	COMPUTER NETWORKS AND UNIX LAB	23	47	2
12A81A0517	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	20	2
12A81A0518	R32026	MANAGEMENT SCIENCE	17	51	4
12A81A0518	R32051	ADVANCED COMPUTER NETWORKS	19	43	4
12A81A0518	R32052	COMPUTER ARCHITECTURE	21	49	4
12A81A0518	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	34	4
12A81A0518	R32054	UNIX PROGRAMMING	16	43	4
12A81A0518	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	66	4
12A81A0518	R32057	COMPUTER NETWORKS AND UNIX LAB	23	47	2
12A81A0518	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	44	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0520	R32026	MANAGEMENT SCIENCE	16	33	4
12A81A0520	R32051	ADVANCED COMPUTER NETWORKS	17	43	4
12A81A0520	R32052	COMPUTER ARCHITECTURE	17	38	4
12A81A0520	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	47	4
12A81A0520	R32054	UNIX PROGRAMMING	16	36	4
12A81A0520	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	30	4
12A81A0520	R32057	COMPUTER NETWORKS AND UNIX LAB	22	46	2
12A81A0520	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2
12A81A0521	R32026	MANAGEMENT SCIENCE	20	44	4
12A81A0521	R32051	ADVANCED COMPUTER NETWORKS	19	47	4
12A81A0521	R32052	COMPUTER ARCHITECTURE	20	43	4
12A81A0521	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	41	4
12A81A0521	R32054	UNIX PROGRAMMING	18	43	4
12A81A0521	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	42	4
12A81A0521	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
12A81A0521	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	45	2
12A81A0522	R32026	MANAGEMENT SCIENCE	16	15	0
12A81A0522	R32051	ADVANCED COMPUTER NETWORKS	7	8	0
12A81A0522	R32052	COMPUTER ARCHITECTURE	13	4	0
12A81A0522	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	11	11	0
12A81A0522	R32054	UNIX PROGRAMMING	9	0	0
12A81A0522	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	8	4	0
12A81A0522	R32057	COMPUTER NETWORKS AND UNIX LAB	16	37	2
12A81A0522	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	17	15	0
12A81A0523	R32026	MANAGEMENT SCIENCE	20	59	4
12A81A0523	R32051	ADVANCED COMPUTER NETWORKS	20	42	4
12A81A0523	R32052	COMPUTER ARCHITECTURE	22	50	4
12A81A0523	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	49	4
12A81A0523	R32054	UNIX PROGRAMMING	20	48	4
12A81A0523	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	57	4
12A81A0523	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
12A81A0523	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	45	2
12A81A0524	R32026	MANAGEMENT SCIENCE	18	44	4
12A81A0524	R32051	ADVANCED COMPUTER NETWORKS	18	51	4
12A81A0524	R32052	COMPUTER ARCHITECTURE	22	54	4
12A81A0524	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	71	4
12A81A0524	R32054	UNIX PROGRAMMING	21	45	4
12A81A0524	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	50	4
12A81A0524	R32057	COMPUTER NETWORKS AND UNIX LAB	24	49	2
12A81A0524	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2
12A81A0525	R32026	MANAGEMENT SCIENCE	16	46	4
12A81A0525	R32051	ADVANCED COMPUTER NETWORKS	18	49	4
12A81A0525	R32052	COMPUTER ARCHITECTURE	23	48	4
12A81A0525	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	35	4
12A81A0525	R32054	UNIX PROGRAMMING	21	41	4
12A81A0525	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	47	4
12A81A0525	R32057	COMPUTER NETWORKS AND UNIX LAB	22	48	2
12A81A0525	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	41	2
12A81A0526	R32026	MANAGEMENT SCIENCE	17	40	4
12A81A0526	R32051	ADVANCED COMPUTER NETWORKS	18	47	4
12A81A0526	R32052	COMPUTER ARCHITECTURE	19	41	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0526	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	54	4
12A81A0526	R32054	UNIX PROGRAMMING	21	59	4
12A81A0526	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	58	4
12A81A0526	R32057	COMPUTER NETWORKS AND UNIX LAB	21	46	2
12A81A0526	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	40	2
12A81A0527	R32026	MANAGEMENT SCIENCE	12	39	4
12A81A0527	R32051	ADVANCED COMPUTER NETWORKS	14	39	4
12A81A0527	R32052	COMPUTER ARCHITECTURE	17	35	4
12A81A0527	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	43	4
12A81A0527	R32054	UNIX PROGRAMMING	17	37	4
12A81A0527	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	33	4
12A81A0527	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
12A81A0527	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	40	2
12A81A0528	R32026	MANAGEMENT SCIENCE	16	31	4
12A81A0528	R32051	ADVANCED COMPUTER NETWORKS	13	42	4
12A81A0528	R32052	COMPUTER ARCHITECTURE	14	39	4
12A81A0528	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	50	4
12A81A0528	R32054	UNIX PROGRAMMING	16	36	4
12A81A0528	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	37	4
12A81A0528	R32057	COMPUTER NETWORKS AND UNIX LAB	22	43	2
12A81A0528	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	39	2
12A81A0529	R32026	MANAGEMENT SCIENCE	10	42	4
12A81A0529	R32051	ADVANCED COMPUTER NETWORKS	15	35	4
12A81A0529	R32052	COMPUTER ARCHITECTURE	11	29	4
12A81A0529	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	13	29	4
12A81A0529	R32054	UNIX PROGRAMMING	14	27	4
12A81A0529	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	12	34	4
12A81A0529	R32057	COMPUTER NETWORKS AND UNIX LAB	18	46	2
12A81A0529	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	15	0
12A81A0530	R32026	MANAGEMENT SCIENCE	19	45	4
12A81A0530	R32051	ADVANCED COMPUTER NETWORKS	19	55	4
12A81A0530	R32052	COMPUTER ARCHITECTURE	23	46	4
12A81A0530	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	61	4
12A81A0530	R32054	UNIX PROGRAMMING	22	62	4
12A81A0530	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	60	4
12A81A0530	R32057	COMPUTER NETWORKS AND UNIX LAB	23	47	2
12A81A0530	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	46	2
12A81A0531	R32026	MANAGEMENT SCIENCE	11	21	0
12A81A0531	R32051	ADVANCED COMPUTER NETWORKS	14	26	4
12A81A0531	R32052	COMPUTER ARCHITECTURE	18	12	0
12A81A0531	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	12	17	0
12A81A0531	R32054	UNIX PROGRAMMING	7	2	0
12A81A0531	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	27	4
12A81A0531	R32057	COMPUTER NETWORKS AND UNIX LAB	16	37	2
12A81A0531	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	16	15	0
12A81A0532	R32026	MANAGEMENT SCIENCE	17	43	4
12A81A0532	R32051	ADVANCED COMPUTER NETWORKS	16	52	4
12A81A0532	R32052	COMPUTER ARCHITECTURE	21	44	4
12A81A0532	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	60	4
12A81A0532	R32054	UNIX PROGRAMMING	18	50	4
12A81A0532	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	34	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0532	R32057	COMPUTER NETWORKS AND UNIX LAB	23	47	2
12A81A0532	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	43	2
12A81A0533	R32026	MANAGEMENT SCIENCE	17	44	4
12A81A0533	R32051	ADVANCED COMPUTER NETWORKS	17	50	4
12A81A0533	R32052	COMPUTER ARCHITECTURE	21	42	4
12A81A0533	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	33	4
12A81A0533	R32054	UNIX PROGRAMMING	16	32	4
12A81A0533	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	43	4
12A81A0533	R32057	COMPUTER NETWORKS AND UNIX LAB	23	48	2
12A81A0533	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	45	2
12A81A0535	R32026	MANAGEMENT SCIENCE	15	38	4
12A81A0535	R32051	ADVANCED COMPUTER NETWORKS	19	56	4
12A81A0535	R32052	COMPUTER ARCHITECTURE	20	37	4
12A81A0535	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	49	4
12A81A0535	R32054	UNIX PROGRAMMING	21	57	4
12A81A0535	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	45	4
12A81A0535	R32057	COMPUTER NETWORKS AND UNIX LAB	24	49	2
12A81A0535	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2
12A81A0536	R32026	MANAGEMENT SCIENCE	17	46	4
12A81A0536	R32051	ADVANCED COMPUTER NETWORKS	16	30	4
12A81A0536	R32052	COMPUTER ARCHITECTURE	18	39	4
12A81A0536	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	35	4
12A81A0536	R32054	UNIX PROGRAMMING	17	35	4
12A81A0536	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	57	4
12A81A0536	R32057	COMPUTER NETWORKS AND UNIX LAB	22	44	2
12A81A0536	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	42	2
12A81A0537	R32026	MANAGEMENT SCIENCE	18	34	4
12A81A0537	R32051	ADVANCED COMPUTER NETWORKS	13	41	4
12A81A0537	R32052	COMPUTER ARCHITECTURE	18	40	4
12A81A0537	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	65	4
12A81A0537	R32054	UNIX PROGRAMMING	18	42	4
12A81A0537	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	36	4
12A81A0537	R32057	COMPUTER NETWORKS AND UNIX LAB	23	45	2
12A81A0537	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	43	2
12A81A0538	R32026	MANAGEMENT SCIENCE	16	40	4
12A81A0538	R32051	ADVANCED COMPUTER NETWORKS	17	38	4
12A81A0538	R32052	COMPUTER ARCHITECTURE	21	50	4
12A81A0538	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	36	4
12A81A0538	R32054	UNIX PROGRAMMING	16	37	4
12A81A0538	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	40	4
12A81A0538	R32057	COMPUTER NETWORKS AND UNIX LAB	23	43	2
12A81A0538	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	40	2
12A81A0539	R32026	MANAGEMENT SCIENCE	19	49	4
12A81A0539	R32051	ADVANCED COMPUTER NETWORKS	18	46	4
12A81A0539	R32052	COMPUTER ARCHITECTURE	18	32	4
12A81A0539	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	53	4
12A81A0539	R32054	UNIX PROGRAMMING	21	49	4
12A81A0539	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	57	4
12A81A0539	R32057	COMPUTER NETWORKS AND UNIX LAB	24	49	2
12A81A0539	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
12A81A0540	R32026	MANAGEMENT SCIENCE	11	34	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0540	R32051	ADVANCED COMPUTER NETWORKS	15	18	0
12A81A0540	R32052	COMPUTER ARCHITECTURE	14	36	4
12A81A0540	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	10	30	4
12A81A0540	R32054	UNIX PROGRAMMING	10	17	0
12A81A0540	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	28	4
12A81A0540	R32057	COMPUTER NETWORKS AND UNIX LAB	20	41	2
12A81A0540	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	20	2
12A81A0541	R32026	MANAGEMENT SCIENCE	16	38	4
12A81A0541	R32051	ADVANCED COMPUTER NETWORKS	17	51	4
12A81A0541	R32052	COMPUTER ARCHITECTURE	19	45	4
12A81A0541	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	56	4
12A81A0541	R32054	UNIX PROGRAMMING	19	55	4
12A81A0541	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	46	4
12A81A0541	R32057	COMPUTER NETWORKS AND UNIX LAB	23	49	2
12A81A0541	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	42	2
12A81A0542	R32026	MANAGEMENT SCIENCE	17	34	4
12A81A0542	R32051	ADVANCED COMPUTER NETWORKS	17	48	4
12A81A0542	R32052	COMPUTER ARCHITECTURE	22	46	4
12A81A0542	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	39	4
12A81A0542	R32054	UNIX PROGRAMMING	14	34	4
12A81A0542	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	36	4
12A81A0542	R32057	COMPUTER NETWORKS AND UNIX LAB	22	42	2
12A81A0542	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	42	2
12A81A0543	R32026	MANAGEMENT SCIENCE	13	44	4
12A81A0543	R32051	ADVANCED COMPUTER NETWORKS	12	50	4
12A81A0543	R32052	COMPUTER ARCHITECTURE	17	34	4
12A81A0543	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	47	4
12A81A0543	R32054	UNIX PROGRAMMING	14	52	4
12A81A0543	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	41	4
12A81A0543	R32057	COMPUTER NETWORKS AND UNIX LAB	22	45	2
12A81A0543	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	38	2
12A81A0544	R32026	MANAGEMENT SCIENCE	14	45	4
12A81A0544	R32051	ADVANCED COMPUTER NETWORKS	19	41	4
12A81A0544	R32052	COMPUTER ARCHITECTURE	19	45	4
12A81A0544	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	50	4
12A81A0544	R32054	UNIX PROGRAMMING	16	34	4
12A81A0544	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	64	4
12A81A0544	R32057	COMPUTER NETWORKS AND UNIX LAB	20	44	2
12A81A0544	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	38	2
12A81A0545	R32026	MANAGEMENT SCIENCE	10	14	0
12A81A0545	R32051	ADVANCED COMPUTER NETWORKS	9	26	0
12A81A0545	R32052	COMPUTER ARCHITECTURE	10	6	0
12A81A0545	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	9	2	0
12A81A0545	R32054	UNIX PROGRAMMING	12	6	0
12A81A0545	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	11	6	0
12A81A0545	R32057	COMPUTER NETWORKS AND UNIX LAB	16	37	2
12A81A0545	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	16	10	0
12A81A0546	R32026	MANAGEMENT SCIENCE	16	40	4
12A81A0546	R32051	ADVANCED COMPUTER NETWORKS	19	46	4
12A81A0546	R32052	COMPUTER ARCHITECTURE	21	44	4
12A81A0546	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	36	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0546	R32054	UNIX PROGRAMMING	18	39	4
12A81A0546	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	47	4
12A81A0546	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
12A81A0546	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	45	2
12A81A0547	R32026	MANAGEMENT SCIENCE	14	38	4
12A81A0547	R32051	ADVANCED COMPUTER NETWORKS	19	54	4
12A81A0547	R32052	COMPUTER ARCHITECTURE	17	35	4
12A81A0547	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	12	39	4
12A81A0547	R32054	UNIX PROGRAMMING	16	49	4
12A81A0547	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	48	4
12A81A0547	R32057	COMPUTER NETWORKS AND UNIX LAB	21	40	2
12A81A0547	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	44	2
12A81A0548	R32026	MANAGEMENT SCIENCE	10	30	4
12A81A0548	R32051	ADVANCED COMPUTER NETWORKS	15	-1	0
12A81A0548	R32052	COMPUTER ARCHITECTURE	11	37	4
12A81A0548	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	10	9	0
12A81A0548	R32054	UNIX PROGRAMMING	12	2	0
12A81A0548	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	5	8	0
12A81A0548	R32057	COMPUTER NETWORKS AND UNIX LAB	17	39	2
12A81A0548	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	17	15	0
12A81A0549	R32026	MANAGEMENT SCIENCE	14	40	4
12A81A0549	R32051	ADVANCED COMPUTER NETWORKS	15	48	4
12A81A0549	R32052	COMPUTER ARCHITECTURE	15	33	4
12A81A0549	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	28	4
12A81A0549	R32054	UNIX PROGRAMMING	15	27	4
12A81A0549	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	30	4
12A81A0549	R32057	COMPUTER NETWORKS AND UNIX LAB	20	41	2
12A81A0549	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	19	30	2
12A81A0550	R32026	MANAGEMENT SCIENCE	16	57	4
12A81A0550	R32051	ADVANCED COMPUTER NETWORKS	22	45	4
12A81A0550	R32052	COMPUTER ARCHITECTURE	23	42	4
12A81A0550	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	41	4
12A81A0550	R32054	UNIX PROGRAMMING	24	39	4
12A81A0550	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	32	4
12A81A0550	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
12A81A0550	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	48	2
12A81A0551	R32026	MANAGEMENT SCIENCE	16	42	4
12A81A0551	R32051	ADVANCED COMPUTER NETWORKS	18	52	4
12A81A0551	R32052	COMPUTER ARCHITECTURE	23	40	4
12A81A0551	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	48	4
12A81A0551	R32054	UNIX PROGRAMMING	18	47	4
12A81A0551	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	50	4
12A81A0551	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
12A81A0551	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	44	2
12A81A0552	R32026	MANAGEMENT SCIENCE	16	48	4
12A81A0552	R32051	ADVANCED COMPUTER NETWORKS	10	35	4
12A81A0552	R32052	COMPUTER ARCHITECTURE	17	43	4
12A81A0552	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	28	4
12A81A0552	R32054	UNIX PROGRAMMING	15	6	0
12A81A0552	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	56	4
12A81A0552	R32057	COMPUTER NETWORKS AND UNIX LAB	23	45	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0552	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	36	2
12A81A0553	R32026	MANAGEMENT SCIENCE	17	38	4
12A81A0553	R32051	ADVANCED COMPUTER NETWORKS	18	51	4
12A81A0553	R32052	COMPUTER ARCHITECTURE	19	50	4
12A81A0553	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	52	4
12A81A0553	R32054	UNIX PROGRAMMING	16	46	4
12A81A0553	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	50	4
12A81A0553	R32057	COMPUTER NETWORKS AND UNIX LAB	23	47	2
12A81A0553	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	35	2
12A81A0554	R32026	MANAGEMENT SCIENCE	14	48	4
12A81A0554	R32051	ADVANCED COMPUTER NETWORKS	14	47	4
12A81A0554	R32052	COMPUTER ARCHITECTURE	17	38	4
12A81A0554	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	41	4
12A81A0554	R32054	UNIX PROGRAMMING	14	31	4
12A81A0554	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	38	4
12A81A0554	R32057	COMPUTER NETWORKS AND UNIX LAB	22	45	2
12A81A0554	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	36	2
12A81A0555	R32026	MANAGEMENT SCIENCE	17	42	4
12A81A0555	R32051	ADVANCED COMPUTER NETWORKS	21	48	4
12A81A0555	R32052	COMPUTER ARCHITECTURE	19	34	4
12A81A0555	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	49	4
12A81A0555	R32054	UNIX PROGRAMMING	12	55	4
12A81A0555	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	42	4
12A81A0555	R32057	COMPUTER NETWORKS AND UNIX LAB	24	44	2
12A81A0555	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	40	2
12A81A0557	R32026	MANAGEMENT SCIENCE	15	50	4
12A81A0557	R32051	ADVANCED COMPUTER NETWORKS	15	38	4
12A81A0557	R32052	COMPUTER ARCHITECTURE	16	45	4
12A81A0557	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	10	36	4
12A81A0557	R32054	UNIX PROGRAMMING	15	32	4
12A81A0557	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	9	50	4
12A81A0557	R32057	COMPUTER NETWORKS AND UNIX LAB	19	39	2
12A81A0557	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	16	15	0
12A81A0559	R32026	MANAGEMENT SCIENCE	20	32	4
12A81A0559	R32051	ADVANCED COMPUTER NETWORKS	20	44	4
12A81A0559	R32052	COMPUTER ARCHITECTURE	22	49	4
12A81A0559	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	37	4
12A81A0559	R32054	UNIX PROGRAMMING	16	31	4
12A81A0559	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	47	4
12A81A0559	R32057	COMPUTER NETWORKS AND UNIX LAB	24	49	2
12A81A0559	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	48	2
12A81A0560	R32026	MANAGEMENT SCIENCE	20	42	4
12A81A0560	R32051	ADVANCED COMPUTER NETWORKS	23	57	4
12A81A0560	R32052	COMPUTER ARCHITECTURE	24	40	4
12A81A0560	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	43	4
12A81A0560	R32054	UNIX PROGRAMMING	22	40	4
12A81A0560	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	50	4
12A81A0560	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
12A81A0560	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	48	2
12A81A0561	R32026	MANAGEMENT SCIENCE	19	46	4
12A81A0561	R32051	ADVANCED COMPUTER NETWORKS	22	66	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0561	R32052	COMPUTER ARCHITECTURE	24	41	4
12A81A0561	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	59	4
12A81A0561	R32054	UNIX PROGRAMMING	25	59	4
12A81A0561	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	63	4
12A81A0561	R32057	COMPUTER NETWORKS AND UNIX LAB	24	47	2
12A81A0561	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12A81A0562	R32026	MANAGEMENT SCIENCE	16	35	4
12A81A0562	R32051	ADVANCED COMPUTER NETWORKS	15	27	4
12A81A0562	R32052	COMPUTER ARCHITECTURE	12	37	4
12A81A0562	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	14	29	4
12A81A0562	R32054	UNIX PROGRAMMING	15	30	4
12A81A0562	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	8	40	4
12A81A0562	R32057	COMPUTER NETWORKS AND UNIX LAB	17	35	2
12A81A0562	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	32	2
12A81A0563	R32026	MANAGEMENT SCIENCE	19	34	4
12A81A0563	R32051	ADVANCED COMPUTER NETWORKS	11	34	4
12A81A0563	R32052	COMPUTER ARCHITECTURE	19	34	4
12A81A0563	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	11	41	4
12A81A0563	R32054	UNIX PROGRAMMING	16	16	0
12A81A0563	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	28	4
12A81A0563	R32057	COMPUTER NETWORKS AND UNIX LAB	17	36	2
12A81A0563	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	34	2
12A81A0564	R32026	MANAGEMENT SCIENCE	17	44	4
12A81A0564	R32051	ADVANCED COMPUTER NETWORKS	15	48	4
12A81A0564	R32052	COMPUTER ARCHITECTURE	21	42	4
12A81A0564	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	45	4
12A81A0564	R32054	UNIX PROGRAMMING	22	37	4
12A81A0564	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	43	4
12A81A0564	R32057	COMPUTER NETWORKS AND UNIX LAB	23	42	2
12A81A0564	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	48	2
12A81A0565	R32026	MANAGEMENT SCIENCE	20	36	4
12A81A0565	R32051	ADVANCED COMPUTER NETWORKS	19	62	4
12A81A0565	R32052	COMPUTER ARCHITECTURE	19	53	4
12A81A0565	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	52	4
12A81A0565	R32054	UNIX PROGRAMMING	24	61	4
12A81A0565	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	61	4
12A81A0565	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
12A81A0565	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12A81A0566	R32026	MANAGEMENT SCIENCE	16	30	4
12A81A0566	R32051	ADVANCED COMPUTER NETWORKS	7	6	0
12A81A0566	R32052	COMPUTER ARCHITECTURE	6	18	0
12A81A0566	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	10	4	0
12A81A0566	R32054	UNIX PROGRAMMING	8	0	0
12A81A0566	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	3	13	0
12A81A0566	R32057	COMPUTER NETWORKS AND UNIX LAB	17	30	2
12A81A0566	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	17	22	2
12A81A0567	R32026	MANAGEMENT SCIENCE	19	39	4
12A81A0567	R32051	ADVANCED COMPUTER NETWORKS	10	44	4
12A81A0567	R32052	COMPUTER ARCHITECTURE	18	39	4
12A81A0567	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	32	4
12A81A0567	R32054	UNIX PROGRAMMING	18	36	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0567	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	37	4
12A81A0567	R32057	COMPUTER NETWORKS AND UNIX LAB	19	40	2
12A81A0567	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	27	2
12A81A0569	R32026	MANAGEMENT SCIENCE	19	50	4
12A81A0569	R32051	ADVANCED COMPUTER NETWORKS	19	58	4
12A81A0569	R32052	COMPUTER ARCHITECTURE	18	48	4
12A81A0569	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	49	4
12A81A0569	R32054	UNIX PROGRAMMING	23	46	4
12A81A0569	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	54	4
12A81A0569	R32057	COMPUTER NETWORKS AND UNIX LAB	25	47	2
12A81A0569	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12A81A0570	R32026	MANAGEMENT SCIENCE	17	37	4
12A81A0570	R32051	ADVANCED COMPUTER NETWORKS	14	39	4
12A81A0570	R32052	COMPUTER ARCHITECTURE	13	27	4
12A81A0570	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	33	4
12A81A0570	R32054	UNIX PROGRAMMING	15	49	4
12A81A0570	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	45	4
12A81A0570	R32057	COMPUTER NETWORKS AND UNIX LAB	18	25	2
12A81A0570	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	33	2
12A81A0571	R32026	MANAGEMENT SCIENCE	16	36	4
12A81A0571	R32051	ADVANCED COMPUTER NETWORKS	13	37	4
12A81A0571	R32052	COMPUTER ARCHITECTURE	17	37	4
12A81A0571	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	31	4
12A81A0571	R32054	UNIX PROGRAMMING	18	39	4
12A81A0571	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	55	4
12A81A0571	R32057	COMPUTER NETWORKS AND UNIX LAB	21	41	2
12A81A0571	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12A81A0573	R32026	MANAGEMENT SCIENCE	23	34	4
12A81A0573	R32051	ADVANCED COMPUTER NETWORKS	14	56	4
12A81A0573	R32052	COMPUTER ARCHITECTURE	23	30	4
12A81A0573	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	66	4
12A81A0573	R32054	UNIX PROGRAMMING	19	48	4
12A81A0573	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	40	4
12A81A0573	R32057	COMPUTER NETWORKS AND UNIX LAB	20	42	2
12A81A0573	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	47	2
12A81A0574	R32026	MANAGEMENT SCIENCE	24	33	4
12A81A0574	R32051	ADVANCED COMPUTER NETWORKS	20	47	4
12A81A0574	R32052	COMPUTER ARCHITECTURE	20	44	4
12A81A0574	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	47	4
12A81A0574	R32054	UNIX PROGRAMMING	21	34	4
12A81A0574	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	48	4
12A81A0574	R32057	COMPUTER NETWORKS AND UNIX LAB	22	30	2
12A81A0574	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
12A81A0575	R32026	MANAGEMENT SCIENCE	15	35	4
12A81A0575	R32051	ADVANCED COMPUTER NETWORKS	12	55	4
12A81A0575	R32052	COMPUTER ARCHITECTURE	15	37	4
12A81A0575	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	43	4
12A81A0575	R32054	UNIX PROGRAMMING	18	38	4
12A81A0575	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	55	4
12A81A0575	R32057	COMPUTER NETWORKS AND UNIX LAB	21	45	2
12A81A0575	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	46	2

Htno	Subcode	Subname	Internal	External	credits
12A81A0576	R32026	MANAGEMENT SCIENCE	16	35	4
12A81A0576	R32051	ADVANCED COMPUTER NETWORKS	17	51	4
12A81A0576	R32052	COMPUTER ARCHITECTURE	14	38	4
12A81A0576	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	40	4
12A81A0576	R32054	UNIX PROGRAMMING	21	40	4
12A81A0576	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	62	4
12A81A0576	R32057	COMPUTER NETWORKS AND UNIX LAB	21	40	2
12A81A0576	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	46	2
12A81A0577	R32026	MANAGEMENT SCIENCE	17	39	4
12A81A0577	R32051	ADVANCED COMPUTER NETWORKS	16	36	4
12A81A0577	R32052	COMPUTER ARCHITECTURE	13	34	4
12A81A0577	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	49	4
12A81A0577	R32054	UNIX PROGRAMMING	23	50	4
12A81A0577	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	32	4
12A81A0577	R32057	COMPUTER NETWORKS AND UNIX LAB	21	46	2
12A81A0577	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	44	2
12A81A0578	R32026	MANAGEMENT SCIENCE	19	51	4
12A81A0578	R32051	ADVANCED COMPUTER NETWORKS	22	51	4
12A81A0578	R32052	COMPUTER ARCHITECTURE	20	44	4
12A81A0578	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	46	4
12A81A0578	R32054	UNIX PROGRAMMING	24	46	4
12A81A0578	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	45	4
12A81A0578	R32057	COMPUTER NETWORKS AND UNIX LAB	24	45	2
12A81A0578	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12A81A0579	R32026	MANAGEMENT SCIENCE	16	38	4
12A81A0579	R32051	ADVANCED COMPUTER NETWORKS	14	45	4
12A81A0579	R32052	COMPUTER ARCHITECTURE	17	16	0
12A81A0579	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	46	4
12A81A0579	R32054	UNIX PROGRAMMING	21	51	4
12A81A0579	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	49	4
12A81A0579	R32057	COMPUTER NETWORKS AND UNIX LAB	19	40	2
12A81A0579	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	40	2
12A81A0580	R32026	MANAGEMENT SCIENCE	23	41	4
12A81A0580	R32051	ADVANCED COMPUTER NETWORKS	17	43	4
12A81A0580	R32052	COMPUTER ARCHITECTURE	22	46	4
12A81A0580	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	40	4
12A81A0580	R32054	UNIX PROGRAMMING	24	40	4
12A81A0580	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	60	4
12A81A0580	R32057	COMPUTER NETWORKS AND UNIX LAB	22	46	2
12A81A0580	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12A81A0581	R32026	MANAGEMENT SCIENCE	11	36	4
12A81A0581	R32051	ADVANCED COMPUTER NETWORKS	14	27	4
12A81A0581	R32052	COMPUTER ARCHITECTURE	19	10	0
12A81A0581	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	12	0
12A81A0581	R32054	UNIX PROGRAMMING	17	30	4
12A81A0581	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	12	12	0
12A81A0581	R32057	COMPUTER NETWORKS AND UNIX LAB	21	36	2
12A81A0581	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	45	2
12A81A0582	R32026	MANAGEMENT SCIENCE	23	55	4
12A81A0582	R32051	ADVANCED COMPUTER NETWORKS	23	53	4
12A81A0582	R32052	COMPUTER ARCHITECTURE	23	52	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0582	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	37	4
12A81A0582	R32054	UNIX PROGRAMMING	24	43	4
12A81A0582	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	43	4
12A81A0582	R32057	COMPUTER NETWORKS AND UNIX LAB	22	44	2
12A81A0582	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	48	2
12A81A0583	R32026	MANAGEMENT SCIENCE	23	45	4
12A81A0583	R32051	ADVANCED COMPUTER NETWORKS	20	46	4
12A81A0583	R32052	COMPUTER ARCHITECTURE	20	41	4
12A81A0583	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	60	4
12A81A0583	R32054	UNIX PROGRAMMING	22	57	4
12A81A0583	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	54	4
12A81A0583	R32057	COMPUTER NETWORKS AND UNIX LAB	21	43	2
12A81A0583	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	48	2
12A81A0584	R32026	MANAGEMENT SCIENCE	21	50	4
12A81A0584	R32051	ADVANCED COMPUTER NETWORKS	24	53	4
12A81A0584	R32052	COMPUTER ARCHITECTURE	22	52	4
12A81A0584	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	60	4
12A81A0584	R32054	UNIX PROGRAMMING	24	51	4
12A81A0584	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	68	4
12A81A0584	R32057	COMPUTER NETWORKS AND UNIX LAB	25	48	2
12A81A0584	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12A81A0587	R32026	MANAGEMENT SCIENCE	17	32	4
12A81A0587	R32051	ADVANCED COMPUTER NETWORKS	15	35	4
12A81A0587	R32052	COMPUTER ARCHITECTURE	15	17	0
12A81A0587	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	14	44	4
12A81A0587	R32054	UNIX PROGRAMMING	18	35	4
12A81A0587	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	11	31	4
12A81A0587	R32057	COMPUTER NETWORKS AND UNIX LAB	19	36	2
12A81A0587	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	43	2
12A81A0588	R32026	MANAGEMENT SCIENCE	13	31	4
12A81A0588	R32051	ADVANCED COMPUTER NETWORKS	14	32	4
12A81A0588	R32052	COMPUTER ARCHITECTURE	17	36	4
12A81A0588	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	31	4
12A81A0588	R32054	UNIX PROGRAMMING	21	31	4
12A81A0588	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	29	4
12A81A0588	R32057	COMPUTER NETWORKS AND UNIX LAB	20	35	2
12A81A0588	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	40	2
12A81A0589	R32026	MANAGEMENT SCIENCE	22	43	4
12A81A0589	R32051	ADVANCED COMPUTER NETWORKS	17	47	4
12A81A0589	R32052	COMPUTER ARCHITECTURE	17	32	4
12A81A0589	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	52	4
12A81A0589	R32054	UNIX PROGRAMMING	24	48	4
12A81A0589	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	55	4
12A81A0589	R32057	COMPUTER NETWORKS AND UNIX LAB	23	45	2
12A81A0589	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	46	2
12A81A0591	R32026	MANAGEMENT SCIENCE	20	62	4
12A81A0591	R32051	ADVANCED COMPUTER NETWORKS	24	45	4
12A81A0591	R32052	COMPUTER ARCHITECTURE	22	52	4
12A81A0591	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	45	4
12A81A0591	R32054	UNIX PROGRAMMING	25	51	4
12A81A0591	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	71	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0591	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
12A81A0591	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12A81A0592	R32026	MANAGEMENT SCIENCE	21	42	4
12A81A0592	R32051	ADVANCED COMPUTER NETWORKS	19	50	4
12A81A0592	R32052	COMPUTER ARCHITECTURE	18	34	4
12A81A0592	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	67	4
12A81A0592	R32054	UNIX PROGRAMMING	20	37	4
12A81A0592	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	31	4
12A81A0592	R32057	COMPUTER NETWORKS AND UNIX LAB	23	40	2
12A81A0592	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	47	2
12A81A0593	R32026	MANAGEMENT SCIENCE	18	42	4
12A81A0593	R32051	ADVANCED COMPUTER NETWORKS	17	50	4
12A81A0593	R32052	COMPUTER ARCHITECTURE	20	46	4
12A81A0593	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	32	4
12A81A0593	R32054	UNIX PROGRAMMING	17	29	4
12A81A0593	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	36	4
12A81A0593	R32057	COMPUTER NETWORKS AND UNIX LAB	17	37	2
12A81A0593	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	34	2
12A81A0594	R32026	MANAGEMENT SCIENCE	15	38	4
12A81A0594	R32051	ADVANCED COMPUTER NETWORKS	17	48	4
12A81A0594	R32052	COMPUTER ARCHITECTURE	18	37	4
12A81A0594	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	55	4
12A81A0594	R32054	UNIX PROGRAMMING	20	49	4
12A81A0594	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	50	4
12A81A0594	R32057	COMPUTER NETWORKS AND UNIX LAB	22	40	2
12A81A0594	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	48	2
12A81A0595	R32026	MANAGEMENT SCIENCE	18	50	4
12A81A0595	R32051	ADVANCED COMPUTER NETWORKS	15	37	4
12A81A0595	R32052	COMPUTER ARCHITECTURE	17	45	4
12A81A0595	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	9	37	4
12A81A0595	R32054	UNIX PROGRAMMING	17	10	0
12A81A0595	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	51	4
12A81A0595	R32057	COMPUTER NETWORKS AND UNIX LAB	20	40	2
12A81A0595	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	38	2
12A81A0596	R32026	MANAGEMENT SCIENCE	14	31	4
12A81A0596	R32051	ADVANCED COMPUTER NETWORKS	13	35	4
12A81A0596	R32052	COMPUTER ARCHITECTURE	10	12	0
12A81A0596	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	14	26	4
12A81A0596	R32054	UNIX PROGRAMMING	16	26	4
12A81A0596	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	12	0
12A81A0596	R32057	COMPUTER NETWORKS AND UNIX LAB	20	33	2
12A81A0596	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	39	2
12A81A0597	R32026	MANAGEMENT SCIENCE	21	43	4
12A81A0597	R32051	ADVANCED COMPUTER NETWORKS	16	53	4
12A81A0597	R32052	COMPUTER ARCHITECTURE	16	42	4
12A81A0597	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	37	4
12A81A0597	R32054	UNIX PROGRAMMING	20	33	4
12A81A0597	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	34	4
12A81A0597	R32057	COMPUTER NETWORKS AND UNIX LAB	18	40	2
12A81A0597	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	44	2
12A81A0598	R32026	MANAGEMENT SCIENCE	17	38	4

Htno	Subcode	Subname	Internal	External	credits
12A81A0598	R32051	ADVANCED COMPUTER NETWORKS	11	37	4
12A81A0598	R32052	COMPUTER ARCHITECTURE	12	28	4
12A81A0598	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	45	4
12A81A0598	R32054	UNIX PROGRAMMING	15	28	4
12A81A0598	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	42	4
12A81A0598	R32057	COMPUTER NETWORKS AND UNIX LAB	17	35	2
12A81A0598	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	34	2
12A81A0599	R32026	MANAGEMENT SCIENCE	20	54	4
12A81A0599	R32051	ADVANCED COMPUTER NETWORKS	20	54	4
12A81A0599	R32052	COMPUTER ARCHITECTURE	23	50	4
12A81A0599	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	49	4
12A81A0599	R32054	UNIX PROGRAMMING	24	47	4
12A81A0599	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	65	4
12A81A0599	R32057	COMPUTER NETWORKS AND UNIX LAB	22	45	2
12A81A0599	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	48	2
12A81A05A0	R32026	MANAGEMENT SCIENCE	21	37	4
12A81A05A0	R32051	ADVANCED COMPUTER NETWORKS	20	52	4
12A81A05A0	R32052	COMPUTER ARCHITECTURE	20	35	4
12A81A05A0	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	47	4
12A81A05A0	R32054	UNIX PROGRAMMING	24	46	4
12A81A05A0	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	42	4
12A81A05A0	R32057	COMPUTER NETWORKS AND UNIX LAB	20	40	2
12A81A05A0	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12A81A05A1	R32026	MANAGEMENT SCIENCE	16	18	0
12A81A05A1	R32051	ADVANCED COMPUTER NETWORKS	9	41	4
12A81A05A1	R32052	COMPUTER ARCHITECTURE	9	8	0
12A81A05A1	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	14	26	4
12A81A05A1	R32054	UNIX PROGRAMMING	16	26	4
12A81A05A1	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	4	15	0
12A81A05A1	R32057	COMPUTER NETWORKS AND UNIX LAB	15	19	2
12A81A05A1	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	8	20	0
12A81A05A2	R32026	MANAGEMENT SCIENCE	21	48	4
12A81A05A2	R32051	ADVANCED COMPUTER NETWORKS	22	49	4
12A81A05A2	R32052	COMPUTER ARCHITECTURE	23	41	4
12A81A05A2	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	54	4
12A81A05A2	R32054	UNIX PROGRAMMING	24	64	4
12A81A05A2	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	58	4
12A81A05A2	R32057	COMPUTER NETWORKS AND UNIX LAB	24	47	2
12A81A05A2	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12A81A05A3	R32026	MANAGEMENT SCIENCE	20	37	4
12A81A05A3	R32051	ADVANCED COMPUTER NETWORKS	18	29	4
12A81A05A3	R32052	COMPUTER ARCHITECTURE	18	44	4
12A81A05A3	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	42	4
12A81A05A3	R32054	UNIX PROGRAMMING	21	26	4
12A81A05A3	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	49	4
12A81A05A3	R32057	COMPUTER NETWORKS AND UNIX LAB	20	36	2
12A81A05A3	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	48	2
12A81A05A4	R32026	MANAGEMENT SCIENCE	17	38	4
12A81A05A4	R32051	ADVANCED COMPUTER NETWORKS	20	42	4
12A81A05A4	R32052	COMPUTER ARCHITECTURE	18	36	4
12A81A05A4	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	53	4

Htno	Subcode	Subname	Internal	External	credits
12A81A05A4	R32054	UNIX PROGRAMMING	22	43	4
12A81A05A4	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	60	4
12A81A05A4	R32057	COMPUTER NETWORKS AND UNIX LAB	22	41	2
12A81A05A4	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	47	2
12A81A05A5	R32026	MANAGEMENT SCIENCE	21	42	4
12A81A05A5	R32051	ADVANCED COMPUTER NETWORKS	19	46	4
12A81A05A5	R32052	COMPUTER ARCHITECTURE	19	36	4
12A81A05A5	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	33	4
12A81A05A5	R32054	UNIX PROGRAMMING	22	37	4
12A81A05A5	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	34	4
12A81A05A5	R32057	COMPUTER NETWORKS AND UNIX LAB	20	45	2
12A81A05A5	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	42	2
12A81A05A6	R32026	MANAGEMENT SCIENCE	22	51	4
12A81A05A6	R32051	ADVANCED COMPUTER NETWORKS	18	43	4
12A81A05A6	R32052	COMPUTER ARCHITECTURE	22	41	4
12A81A05A6	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	61	4
12A81A05A6	R32054	UNIX PROGRAMMING	22	62	4
12A81A05A6	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	62	4
12A81A05A6	R32057	COMPUTER NETWORKS AND UNIX LAB	22	42	2
12A81A05A6	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12A81A05A7	R32026	MANAGEMENT SCIENCE	20	44	4
12A81A05A7	R32051	ADVANCED COMPUTER NETWORKS	16	44	4
12A81A05A7	R32052	COMPUTER ARCHITECTURE	18	47	4
12A81A05A7	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	40	4
12A81A05A7	R32054	UNIX PROGRAMMING	17	32	4
12A81A05A7	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	51	4
12A81A05A7	R32057	COMPUTER NETWORKS AND UNIX LAB	21	41	2
12A81A05A7	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	45	2
12A81A05A8	R32026	MANAGEMENT SCIENCE	17	35	4
12A81A05A8	R32051	ADVANCED COMPUTER NETWORKS	17	47	4
12A81A05A8	R32052	COMPUTER ARCHITECTURE	15	26	4
12A81A05A8	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	11	0
12A81A05A8	R32054	UNIX PROGRAMMING	19	26	4
12A81A05A8	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	28	4
12A81A05A8	R32057	COMPUTER NETWORKS AND UNIX LAB	18	36	2
12A81A05A8	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	42	2
12A81A05A9	R32026	MANAGEMENT SCIENCE	25	46	4
12A81A05A9	R32051	ADVANCED COMPUTER NETWORKS	19	47	4
12A81A05A9	R32052	COMPUTER ARCHITECTURE	21	51	4
12A81A05A9	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	44	4
12A81A05A9	R32054	UNIX PROGRAMMING	25	37	4
12A81A05A9	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	46	4
12A81A05A9	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
12A81A05A9	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	48	2
12A81A05B0	R32026	MANAGEMENT SCIENCE	22	49	4
12A81A05B0	R32051	ADVANCED COMPUTER NETWORKS	22	50	4
12A81A05B0	R32052	COMPUTER ARCHITECTURE	24	45	4
12A81A05B0	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	64	4
12A81A05B0	R32054	UNIX PROGRAMMING	25	67	4
12A81A05B0	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	60	4
12A81A05B0	R32057	COMPUTER NETWORKS AND UNIX LAB	25	47	2

Htno	Subcode	Subname	Internal	External	credits
12A81A05B0	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12A81A05B1	R32026	MANAGEMENT SCIENCE	23	63	4
12A81A05B1	R32051	ADVANCED COMPUTER NETWORKS	22	47	4
12A81A05B1	R32052	COMPUTER ARCHITECTURE	23	52	4
12A81A05B1	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	60	4
12A81A05B1	R32054	UNIX PROGRAMMING	23	49	4
12A81A05B1	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	73	4
12A81A05B1	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
12A81A05B1	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
12A81A05B2	R32026	MANAGEMENT SCIENCE	23	43	4
12A81A05B2	R32051	ADVANCED COMPUTER NETWORKS	22	59	4
12A81A05B2	R32052	COMPUTER ARCHITECTURE	23	50	4
12A81A05B2	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	61	4
12A81A05B2	R32054	UNIX PROGRAMMING	23	46	4
12A81A05B2	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	25	62	4
12A81A05B2	R32057	COMPUTER NETWORKS AND UNIX LAB	24	49	2
12A81A05B2	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
12A81A05B3	R32026	MANAGEMENT SCIENCE	13	27	4
12A81A05B3	R32051	ADVANCED COMPUTER NETWORKS	7	36	4
12A81A05B3	R32052	COMPUTER ARCHITECTURE	7	26	0
12A81A05B3	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	13	29	4
12A81A05B3	R32054	UNIX PROGRAMMING	16	-1	0
12A81A05B3	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	8	16	0
12A81A05B3	R32057	COMPUTER NETWORKS AND UNIX LAB	17	28	2
12A81A05B3	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	13	29	2
12A81A05B4	R32026	MANAGEMENT SCIENCE	5	35	4
12A81A05B4	R32051	ADVANCED COMPUTER NETWORKS	7	26	0
12A81A05B4	R32052	COMPUTER ARCHITECTURE	6	21	0
12A81A05B4	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	8	26	0
12A81A05B4	R32054	UNIX PROGRAMMING	9	17	0
12A81A05B4	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	9	3	0
12A81A05B4	R32057	COMPUTER NETWORKS AND UNIX LAB	17	25	2
12A81A05B4	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	13	20	2
12A81A05B5	R32026	MANAGEMENT SCIENCE	21	58	4
12A81A05B5	R32051	ADVANCED COMPUTER NETWORKS	23	45	4
12A81A05B5	R32052	COMPUTER ARCHITECTURE	22	54	4
12A81A05B5	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	47	4
12A81A05B5	R32054	UNIX PROGRAMMING	21	51	4
12A81A05B5	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	66	4
12A81A05B5	R32057	COMPUTER NETWORKS AND UNIX LAB	24	43	2
12A81A05B5	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	48	2
12A81A05B6	R32026	MANAGEMENT SCIENCE	19	36	4
12A81A05B6	R32051	ADVANCED COMPUTER NETWORKS	14	42	4
12A81A05B6	R32052	COMPUTER ARCHITECTURE	12	39	4
12A81A05B6	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	39	4
12A81A05B6	R32054	UNIX PROGRAMMING	20	34	4
12A81A05B6	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	34	4
12A81A05B6	R32057	COMPUTER NETWORKS AND UNIX LAB	22	46	2
12A81A05B6	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	46	2
12A81A05B7	R32026	MANAGEMENT SCIENCE	18	42	4
12A81A05B7	R32051	ADVANCED COMPUTER NETWORKS	13	45	4

Htno	Subcode	Subname	Internal	External	credits
12A81A05B7	R32052	COMPUTER ARCHITECTURE	12	28	4
12A81A05B7	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	13	37	4
12A81A05B7	R32054	UNIX PROGRAMMING	17	36	4
12A81A05B7	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	11	36	4
12A81A05B7	R32057	COMPUTER NETWORKS AND UNIX LAB	18	36	2
12A81A05B7	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	48	2
12A81A05B8	R32026	MANAGEMENT SCIENCE	16	32	4
12A81A05B8	R32051	ADVANCED COMPUTER NETWORKS	16	36	4
12A81A05B8	R32052	COMPUTER ARCHITECTURE	13	27	4
12A81A05B8	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	47	4
12A81A05B8	R32054	UNIX PROGRAMMING	19	51	4
12A81A05B8	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	50	4
12A81A05B8	R32057	COMPUTER NETWORKS AND UNIX LAB	21	40	2
12A81A05B8	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	16	49	2
12A81A05B9	R32026	MANAGEMENT SCIENCE	19	44	4
12A81A05B9	R32051	ADVANCED COMPUTER NETWORKS	21	41	4
12A81A05B9	R32052	COMPUTER ARCHITECTURE	16	36	4
12A81A05B9	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	30	4
12A81A05B9	R32054	UNIX PROGRAMMING	21	32	4
12A81A05B9	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	58	4
12A81A05B9	R32057	COMPUTER NETWORKS AND UNIX LAB	23	43	2
12A81A05B9	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12A81A1202	R32026	MANAGEMENT SCIENCE	21	45	4
12A81A1202	R32051	ADVANCED COMPUTER NETWORKS	19	33	4
12A81A1202	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	47	4
12A81A1202	R32054	UNIX PROGRAMMING	20	42	4
12A81A1202	R32122	ADVANCED JAVA PROGRAMMING	21	40	4
12A81A1202	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	16	27	4
12A81A1202	R32127	COMPUTER NETWORKS AND UNIX LAB	22	46	2
12A81A1202	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	47	2
12A81A1203	R32026	MANAGEMENT SCIENCE	20	49	4
12A81A1203	R32051	ADVANCED COMPUTER NETWORKS	22	37	4
12A81A1203	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	34	4
12A81A1203	R32054	UNIX PROGRAMMING	22	33	4
12A81A1203	R32122	ADVANCED JAVA PROGRAMMING	21	49	4
12A81A1203	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	17	33	4
12A81A1203	R32127	COMPUTER NETWORKS AND UNIX LAB	20	45	2
12A81A1203	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
12A81A1204	R32026	MANAGEMENT SCIENCE	18	30	4
12A81A1204	R32051	ADVANCED COMPUTER NETWORKS	19	38	4
12A81A1204	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	45	4
12A81A1204	R32054	UNIX PROGRAMMING	20	28	4
12A81A1204	R32122	ADVANCED JAVA PROGRAMMING	21	40	4
12A81A1204	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	14	39	4
12A81A1204	R32127	COMPUTER NETWORKS AND UNIX LAB	22	45	2
12A81A1204	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	44	2
12A81A1205	R32026	MANAGEMENT SCIENCE	21	40	4
12A81A1205	R32051	ADVANCED COMPUTER NETWORKS	20	44	4
12A81A1205	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	41	4
12A81A1205	R32054	UNIX PROGRAMMING	19	30	4
12A81A1205	R32122	ADVANCED JAVA PROGRAMMING	23	45	4

Htno	Subcode	Subname	Internal	External	credits
12A81A1205	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	15	46	4
12A81A1205	R32127	COMPUTER NETWORKS AND UNIX LAB	21	48	2
12A81A1205	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	47	2
12A81A1206	R32026	MANAGEMENT SCIENCE	20	30	4
12A81A1206	R32051	ADVANCED COMPUTER NETWORKS	18	32	4
12A81A1206	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	32	4
12A81A1206	R32054	UNIX PROGRAMMING	20	30	4
12A81A1206	R32122	ADVANCED JAVA PROGRAMMING	11	36	4
12A81A1206	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	15	15	0
12A81A1206	R32127	COMPUTER NETWORKS AND UNIX LAB	18	42	2
12A81A1206	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	18	44	2
12A81A1207	R32026	MANAGEMENT SCIENCE	19	52	4
12A81A1207	R32051	ADVANCED COMPUTER NETWORKS	23	42	4
12A81A1207	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	51	4
12A81A1207	R32054	UNIX PROGRAMMING	19	34	4
12A81A1207	R32122	ADVANCED JAVA PROGRAMMING	23	44	4
12A81A1207	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	17	42	4
12A81A1207	R32127	COMPUTER NETWORKS AND UNIX LAB	19	44	2
12A81A1207	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	44	2
12A81A1208	R32026	MANAGEMENT SCIENCE	21	59	4
12A81A1208	R32051	ADVANCED COMPUTER NETWORKS	22	40	4
12A81A1208	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	56	4
12A81A1208	R32054	UNIX PROGRAMMING	22	40	4
12A81A1208	R32122	ADVANCED JAVA PROGRAMMING	24	26	4
12A81A1208	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	18	44	4
12A81A1208	R32127	COMPUTER NETWORKS AND UNIX LAB	23	48	2
12A81A1208	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
12A81A1209	R32026	MANAGEMENT SCIENCE	16	26	4
12A81A1209	R32051	ADVANCED COMPUTER NETWORKS	24	47	4
12A81A1209	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	41	4
12A81A1209	R32054	UNIX PROGRAMMING	22	30	4
12A81A1209	R32122	ADVANCED JAVA PROGRAMMING	24	41	4
12A81A1209	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	18	47	4
12A81A1209	R32127	COMPUTER NETWORKS AND UNIX LAB	23	41	2
12A81A1209	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2
12A81A1210	R32026	MANAGEMENT SCIENCE	20	38	4
12A81A1210	R32051	ADVANCED COMPUTER NETWORKS	20	37	4
12A81A1210	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	42	4
12A81A1210	R32054	UNIX PROGRAMMING	21	46	4
12A81A1210	R32122	ADVANCED JAVA PROGRAMMING	17	46	4
12A81A1210	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	16	27	4
12A81A1210	R32127	COMPUTER NETWORKS AND UNIX LAB	21	47	2
12A81A1210	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
12A81A1211	R32026	MANAGEMENT SCIENCE	18	48	4
12A81A1211	R32051	ADVANCED COMPUTER NETWORKS	22	48	4
12A81A1211	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	30	4
12A81A1211	R32054	UNIX PROGRAMMING	21	36	4
12A81A1211	R32122	ADVANCED JAVA PROGRAMMING	23	31	4
12A81A1211	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	14	41	4
12A81A1211	R32127	COMPUTER NETWORKS AND UNIX LAB	22	40	2
12A81A1211	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2

Htno	Subcode	Subname	Internal	External	credits
12A81A1213	R32026	MANAGEMENT SCIENCE	21	34	4
12A81A1213	R32051	ADVANCED COMPUTER NETWORKS	24	36	4
12A81A1213	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	45	4
12A81A1213	R32054	UNIX PROGRAMMING	19	34	4
12A81A1213	R32122	ADVANCED JAVA PROGRAMMING	20	41	4
12A81A1213	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	18	36	4
12A81A1213	R32127	COMPUTER NETWORKS AND UNIX LAB	22	45	2
12A81A1213	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2
12A81A1214	R32026	MANAGEMENT SCIENCE	21	28	4
12A81A1214	R32051	ADVANCED COMPUTER NETWORKS	22	41	4
12A81A1214	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	32	4
12A81A1214	R32054	UNIX PROGRAMMING	21	26	4
12A81A1214	R32122	ADVANCED JAVA PROGRAMMING	21	42	4
12A81A1214	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	21	44	4
12A81A1214	R32127	COMPUTER NETWORKS AND UNIX LAB	22	46	2
12A81A1214	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
12A81A1215	R32026	MANAGEMENT SCIENCE	15	38	4
12A81A1215	R32051	ADVANCED COMPUTER NETWORKS	17	27	4
12A81A1215	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	41	4
12A81A1215	R32054	UNIX PROGRAMMING	14	30	4
12A81A1215	R32122	ADVANCED JAVA PROGRAMMING	22	34	4
12A81A1215	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	16	28	4
12A81A1215	R32127	COMPUTER NETWORKS AND UNIX LAB	22	45	2
12A81A1215	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	44	2
12A81A1216	R32026	MANAGEMENT SCIENCE	17	38	4
12A81A1216	R32051	ADVANCED COMPUTER NETWORKS	13	41	4
12A81A1216	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	20	0
12A81A1216	R32054	UNIX PROGRAMMING	19	36	4
12A81A1216	R32122	ADVANCED JAVA PROGRAMMING	11	29	4
12A81A1216	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	14	38	4
12A81A1216	R32127	COMPUTER NETWORKS AND UNIX LAB	21	45	2
12A81A1216	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	46	2
12A81A1217	R32026	MANAGEMENT SCIENCE	17	32	4
12A81A1217	R32051	ADVANCED COMPUTER NETWORKS	12	28	4
12A81A1217	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	14	38	4
12A81A1217	R32054	UNIX PROGRAMMING	18	26	4
12A81A1217	R32122	ADVANCED JAVA PROGRAMMING	21	38	4
12A81A1217	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	14	26	4
12A81A1217	R32127	COMPUTER NETWORKS AND UNIX LAB	20	41	2
12A81A1217	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	44	2
12A81A1218	R32026	MANAGEMENT SCIENCE	19	18	0
12A81A1218	R32051	ADVANCED COMPUTER NETWORKS	15	40	4
12A81A1218	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	32	4
12A81A1218	R32054	UNIX PROGRAMMING	18	13	0
12A81A1218	R32122	ADVANCED JAVA PROGRAMMING	21	44	4
12A81A1218	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	17	34	4
12A81A1218	R32127	COMPUTER NETWORKS AND UNIX LAB	19	44	2
12A81A1218	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	44	2
12A81A1219	R32026	MANAGEMENT SCIENCE	19	40	4
12A81A1219	R32051	ADVANCED COMPUTER NETWORKS	15	29	4
12A81A1219	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	10	0

Htno	Subcode	Subname	Internal	External	credits
12A81A1219	R32054	UNIX PROGRAMMING	13	31	4
12A81A1219	R32122	ADVANCED JAVA PROGRAMMING	20	32	4
12A81A1219	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	12	13	0
12A81A1219	R32127	COMPUTER NETWORKS AND UNIX LAB	22	44	2
12A81A1219	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	47	2
12A81A1220	R32026	MANAGEMENT SCIENCE	18	50	4
12A81A1220	R32051	ADVANCED COMPUTER NETWORKS	19	42	4
12A81A1220	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	50	4
12A81A1220	R32054	UNIX PROGRAMMING	18	39	4
12A81A1220	R32122	ADVANCED JAVA PROGRAMMING	20	44	4
12A81A1220	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	14	38	4
12A81A1220	R32127	COMPUTER NETWORKS AND UNIX LAB	21	47	2
12A81A1220	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	46	2
12A81A1221	R32026	MANAGEMENT SCIENCE	19	52	4
12A81A1221	R32051	ADVANCED COMPUTER NETWORKS	20	36	4
12A81A1221	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	37	4
12A81A1221	R32054	UNIX PROGRAMMING	17	11	0
12A81A1221	R32122	ADVANCED JAVA PROGRAMMING	21	40	4
12A81A1221	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	16	38	4
12A81A1221	R32127	COMPUTER NETWORKS AND UNIX LAB	22	43	2
12A81A1221	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
12A81A1222	R32026	MANAGEMENT SCIENCE	22	53	4
12A81A1222	R32051	ADVANCED COMPUTER NETWORKS	22	41	4
12A81A1222	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	40	4
12A81A1222	R32054	UNIX PROGRAMMING	21	30	4
12A81A1222	R32122	ADVANCED JAVA PROGRAMMING	18	41	4
12A81A1222	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	18	36	4
12A81A1222	R32127	COMPUTER NETWORKS AND UNIX LAB	24	49	2
12A81A1222	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12A81A1223	R32026	MANAGEMENT SCIENCE	20	36	4
12A81A1223	R32051	ADVANCED COMPUTER NETWORKS	17	26	4
12A81A1223	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	31	4
12A81A1223	R32054	UNIX PROGRAMMING	21	38	4
12A81A1223	R32122	ADVANCED JAVA PROGRAMMING	17	36	4
12A81A1223	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	15	27	4
12A81A1223	R32127	COMPUTER NETWORKS AND UNIX LAB	19	47	2
12A81A1223	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2
12A81A1224	R32026	MANAGEMENT SCIENCE	20	49	4
12A81A1224	R32051	ADVANCED COMPUTER NETWORKS	18	35	4
12A81A1224	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	10	20	0
12A81A1224	R32054	UNIX PROGRAMMING	21	28	4
12A81A1224	R32122	ADVANCED JAVA PROGRAMMING	17	28	4
12A81A1224	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	16	36	4
12A81A1224	R32127	COMPUTER NETWORKS AND UNIX LAB	19	42	2
12A81A1224	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2
12A81A1225	R32026	MANAGEMENT SCIENCE	0	1	0
12A81A1225	R32051	ADVANCED COMPUTER NETWORKS	9	26	0
12A81A1225	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	10	1	0
12A81A1225	R32054	UNIX PROGRAMMING	18	0	0
12A81A1225	R32122	ADVANCED JAVA PROGRAMMING	16	2	0
12A81A1225	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	3	0	0

Htno	Subcode	Subname	Internal	External	credits
12A81A1225	R32127	COMPUTER NETWORKS AND UNIX LAB	17	35	2
12A81A1225	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	17	40	2
12A81A1226	R32026	MANAGEMENT SCIENCE	17	43	4
12A81A1226	R32051	ADVANCED COMPUTER NETWORKS	19	30	4
12A81A1226	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	29	4
12A81A1226	R32054	UNIX PROGRAMMING	22	32	4
12A81A1226	R32122	ADVANCED JAVA PROGRAMMING	20	41	4
12A81A1226	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	12	28	4
12A81A1226	R32127	COMPUTER NETWORKS AND UNIX LAB	23	47	2
12A81A1226	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2
12A81A1227	R32026	MANAGEMENT SCIENCE	18	26	4
12A81A1227	R32051	ADVANCED COMPUTER NETWORKS	14	30	4
12A81A1227	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	14	0
12A81A1227	R32054	UNIX PROGRAMMING	17	29	4
12A81A1227	R32122	ADVANCED JAVA PROGRAMMING	17	26	4
12A81A1227	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	12	28	4
12A81A1227	R32127	COMPUTER NETWORKS AND UNIX LAB	20	47	2
12A81A1227	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	46	2
12A81A1229	R32026	MANAGEMENT SCIENCE	16	44	4
12A81A1229	R32051	ADVANCED COMPUTER NETWORKS	14	42	4
12A81A1229	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	33	4
12A81A1229	R32054	UNIX PROGRAMMING	18	36	4
12A81A1229	R32122	ADVANCED JAVA PROGRAMMING	15	36	4
12A81A1229	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	13	28	4
12A81A1229	R32127	COMPUTER NETWORKS AND UNIX LAB	20	44	2
12A81A1229	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2
12A81A1230	R32026	MANAGEMENT SCIENCE	19	32	4
12A81A1230	R32051	ADVANCED COMPUTER NETWORKS	17	38	4
12A81A1230	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	32	4
12A81A1230	R32054	UNIX PROGRAMMING	18	41	4
12A81A1230	R32122	ADVANCED JAVA PROGRAMMING	21	41	4
12A81A1230	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	12	40	4
12A81A1230	R32127	COMPUTER NETWORKS AND UNIX LAB	20	47	2
12A81A1230	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	44	2
12A81A1231	R32026	MANAGEMENT SCIENCE	17	43	4
12A81A1231	R32051	ADVANCED COMPUTER NETWORKS	19	36	4
12A81A1231	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	40	4
12A81A1231	R32054	UNIX PROGRAMMING	15	26	4
12A81A1231	R32122	ADVANCED JAVA PROGRAMMING	21	37	4
12A81A1231	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	14	32	4
12A81A1231	R32127	COMPUTER NETWORKS AND UNIX LAB	20	44	2
12A81A1231	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2
12A81A1232	R32026	MANAGEMENT SCIENCE	19	27	4
12A81A1232	R32051	ADVANCED COMPUTER NETWORKS	16	38	4
12A81A1232	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	26	4
12A81A1232	R32054	UNIX PROGRAMMING	18	35	4
12A81A1232	R32122	ADVANCED JAVA PROGRAMMING	18	28	4
12A81A1232	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	12	20	0
12A81A1232	R32127	COMPUTER NETWORKS AND UNIX LAB	20	44	2
12A81A1232	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	45	2
12A81A1233	R32026	MANAGEMENT SCIENCE	20	50	4

Htno	Subcode	Subname	Internal	External	credits
12A81A1233	R32051	ADVANCED COMPUTER NETWORKS	20	42	4
12A81A1233	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	44	4
12A81A1233	R32054	UNIX PROGRAMMING	18	31	4
12A81A1233	R32122	ADVANCED JAVA PROGRAMMING	23	44	4
12A81A1233	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	14	38	4
12A81A1233	R32127	COMPUTER NETWORKS AND UNIX LAB	22	48	2
12A81A1233	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	46	2
12A81A1234	R32026	MANAGEMENT SCIENCE	20	26	4
12A81A1234	R32051	ADVANCED COMPUTER NETWORKS	19	34	4
12A81A1234	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	42	4
12A81A1234	R32054	UNIX PROGRAMMING	19	17	0
12A81A1234	R32122	ADVANCED JAVA PROGRAMMING	22	35	4
12A81A1234	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	16	26	4
12A81A1234	R32127	COMPUTER NETWORKS AND UNIX LAB	20	40	2
12A81A1234	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	47	2
12A81A1235	R32026	MANAGEMENT SCIENCE	14	45	4
12A81A1235	R32051	ADVANCED COMPUTER NETWORKS	19	41	4
12A81A1235	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	30	4
12A81A1235	R32054	UNIX PROGRAMMING	19	30	4
12A81A1235	R32122	ADVANCED JAVA PROGRAMMING	19	33	4
12A81A1235	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	13	40	4
12A81A1235	R32127	COMPUTER NETWORKS AND UNIX LAB	21	44	2
12A81A1235	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	46	2
12A81A1236	R32026	MANAGEMENT SCIENCE	22	37	4
12A81A1236	R32051	ADVANCED COMPUTER NETWORKS	23	35	4
12A81A1236	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	39	4
12A81A1236	R32054	UNIX PROGRAMMING	15	39	4
12A81A1236	R32122	ADVANCED JAVA PROGRAMMING	21	44	4
12A81A1236	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	19	33	4
12A81A1236	R32127	COMPUTER NETWORKS AND UNIX LAB	21	48	2
12A81A1236	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
12A81A1237	R32026	MANAGEMENT SCIENCE	15	39	4
12A81A1237	R32051	ADVANCED COMPUTER NETWORKS	17	44	4
12A81A1237	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	14	34	4
12A81A1237	R32054	UNIX PROGRAMMING	21	39	4
12A81A1237	R32122	ADVANCED JAVA PROGRAMMING	16	39	4
12A81A1237	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	13	46	4
12A81A1237	R32127	COMPUTER NETWORKS AND UNIX LAB	21	41	2
12A81A1237	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	46	2
12A81A1238	R32026	MANAGEMENT SCIENCE	18	28	4
12A81A1238	R32051	ADVANCED COMPUTER NETWORKS	21	38	4
12A81A1238	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	31	4
12A81A1238	R32054	UNIX PROGRAMMING	19	18	0
12A81A1238	R32122	ADVANCED JAVA PROGRAMMING	24	33	4
12A81A1238	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	14	15	0
12A81A1238	R32127	COMPUTER NETWORKS AND UNIX LAB	18	45	2
12A81A1238	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	46	2
12A81A1240	R32026	MANAGEMENT SCIENCE	20	61	4
12A81A1240	R32051	ADVANCED COMPUTER NETWORKS	22	47	4
12A81A1240	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	31	4
12A81A1240	R32054	UNIX PROGRAMMING	9	33	4

Htno	Subcode	Subname	Internal	External	credits
12A81A1240	R32122	ADVANCED JAVA PROGRAMMING	23	48	4
12A81A1240	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	15	44	4
12A81A1240	R32127	COMPUTER NETWORKS AND UNIX LAB	20	45	2
12A81A1240	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	47	2
12A81A1241	R32026	MANAGEMENT SCIENCE	15	34	4
12A81A1241	R32051	ADVANCED COMPUTER NETWORKS	16	26	4
12A81A1241	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	15	0
12A81A1241	R32054	UNIX PROGRAMMING	16	35	4
12A81A1241	R32122	ADVANCED JAVA PROGRAMMING	19	30	4
12A81A1241	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	10	18	0
12A81A1241	R32127	COMPUTER NETWORKS AND UNIX LAB	22	40	2
12A81A1241	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	45	2
12A81A1242	R32026	MANAGEMENT SCIENCE	18	26	4
12A81A1242	R32051	ADVANCED COMPUTER NETWORKS	16	31	4
12A81A1242	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	28	4
12A81A1242	R32054	UNIX PROGRAMMING	16	29	4
12A81A1242	R32122	ADVANCED JAVA PROGRAMMING	23	28	4
12A81A1242	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	14	17	0
12A81A1242	R32127	COMPUTER NETWORKS AND UNIX LAB	21	42	2
12A81A1242	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	45	2
12A81A1243	R32026	MANAGEMENT SCIENCE	21	43	4
12A81A1243	R32051	ADVANCED COMPUTER NETWORKS	24	46	4
12A81A1243	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	29	4
12A81A1243	R32054	UNIX PROGRAMMING	15	37	4
12A81A1243	R32122	ADVANCED JAVA PROGRAMMING	25	39	4
12A81A1243	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	14	35	4
12A81A1243	R32127	COMPUTER NETWORKS AND UNIX LAB	19	44	2
12A81A1243	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	47	2
12A81A1244	R32026	MANAGEMENT SCIENCE	17	45	4
12A81A1244	R32051	ADVANCED COMPUTER NETWORKS	20	41	4
12A81A1244	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	26	4
12A81A1244	R32054	UNIX PROGRAMMING	18	30	4
12A81A1244	R32122	ADVANCED JAVA PROGRAMMING	22	30	4
12A81A1244	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	13	37	4
12A81A1244	R32127	COMPUTER NETWORKS AND UNIX LAB	19	44	2
12A81A1244	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2
12A81A1245	R32026	MANAGEMENT SCIENCE	21	44	4
12A81A1245	R32051	ADVANCED COMPUTER NETWORKS	23	41	4
12A81A1245	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	37	4
12A81A1245	R32054	UNIX PROGRAMMING	22	47	4
12A81A1245	R32122	ADVANCED JAVA PROGRAMMING	24	51	4
12A81A1245	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	16	27	4
12A81A1245	R32127	COMPUTER NETWORKS AND UNIX LAB	21	44	2
12A81A1245	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	46	2
12A81A1246	R32026	MANAGEMENT SCIENCE	20	26	4
12A81A1246	R32051	ADVANCED COMPUTER NETWORKS	23	41	4
12A81A1246	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	44	4
12A81A1246	R32054	UNIX PROGRAMMING	21	30	4
12A81A1246	R32122	ADVANCED JAVA PROGRAMMING	23	38	4
12A81A1246	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	16	32	4
12A81A1246	R32127	COMPUTER NETWORKS AND UNIX LAB	21	45	2

Htno	Subcode	Subname	Internal	External	credits
12A81A1246	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	47	2
12A81A1247	R32026	MANAGEMENT SCIENCE	20	30	4
12A81A1247	R32051	ADVANCED COMPUTER NETWORKS	19	35	4
12A81A1247	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	26	4
12A81A1247	R32054	UNIX PROGRAMMING	21	26	4
12A81A1247	R32122	ADVANCED JAVA PROGRAMMING	21	36	4
12A81A1247	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	14	31	4
12A81A1247	R32127	COMPUTER NETWORKS AND UNIX LAB	23	40	2
12A81A1247	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	45	2
12A81A1248	R32026	MANAGEMENT SCIENCE	18	52	4
12A81A1248	R32051	ADVANCED COMPUTER NETWORKS	20	43	4
12A81A1248	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	45	4
12A81A1248	R32054	UNIX PROGRAMMING	21	40	4
12A81A1248	R32122	ADVANCED JAVA PROGRAMMING	24	55	4
12A81A1248	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	21	49	4
12A81A1248	R32127	COMPUTER NETWORKS AND UNIX LAB	20	45	2
12A81A1248	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	46	2
12A81A1249	R32026	MANAGEMENT SCIENCE	18	16	0
12A81A1249	R32051	ADVANCED COMPUTER NETWORKS	15	28	4
12A81A1249	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	6	0
12A81A1249	R32054	UNIX PROGRAMMING	17	27	4
12A81A1249	R32122	ADVANCED JAVA PROGRAMMING	19	22	0
12A81A1249	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	9	9	0
12A81A1249	R32127	COMPUTER NETWORKS AND UNIX LAB	23	40	2
12A81A1249	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	46	2
12A81A1250	R32026	MANAGEMENT SCIENCE	19	42	4
12A81A1250	R32051	ADVANCED COMPUTER NETWORKS	17	50	4
12A81A1250	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	40	4
12A81A1250	R32054	UNIX PROGRAMMING	18	37	4
12A81A1250	R32122	ADVANCED JAVA PROGRAMMING	16	34	4
12A81A1250	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	16	45	4
12A81A1250	R32127	COMPUTER NETWORKS AND UNIX LAB	20	41	2
12A81A1250	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	44	2
12A81A1251	R32026	MANAGEMENT SCIENCE	18	43	4
12A81A1251	R32051	ADVANCED COMPUTER NETWORKS	21	38	4
12A81A1251	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	32	4
12A81A1251	R32054	UNIX PROGRAMMING	22	39	4
12A81A1251	R32122	ADVANCED JAVA PROGRAMMING	21	43	4
12A81A1251	R32125	OBJECT ORIENTED ANALYSIS AND DESIGN	16	41	4
12A81A1251	R32127	COMPUTER NETWORKS AND UNIX LAB	24	49	2
12A81A1251	R32128	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
12A85A0215	R32022	POWER SYSTEM ANALYSIS	7	7	0
12A85A0215	R32024	MICROPROCESSORS AND MICROCONTROLLER	12	13	0
12A85A0215	R32026	MANAGEMENT SCIENCE	16	29	4
12A85A0221	R32024	MICROPROCESSORS AND MICROCONTROLLER	8	2	0
12A85A0221	R32026	MANAGEMENT SCIENCE	7	-1	0
12A85A0222	R32024	MICROPROCESSORS AND MICROCONTROLLER	5	6	0
12A85A0222	R32025	POWER SEMICONDUCTOR DRIVES	19	9	0
12A85A0302	R32033	HEAT TRANSFER	16	29	4
12A85A0302	R32035	DESIGN OF MACHINE MEMBERS_II	15	-1	0
12A85A0302	R32036	INDUSTRIAL ENGG. & MANAGEMENT	10	39	4

Htno	Subcode	Subname	Internal	External	credits
12A85A0310	R32034	INSTRUMENTATION & CONTROL SYSTEMS	5	46	4
12A85A0402	R32041	COMPUTER NETWORKS	18	44	4
12A85A0402	R32043	DIGITAL SIGNAL PROCESSING	15	40	4
12A85A0409	R32026	MANAGEMENT SCIENCE	16	40	4
12A85A0409	R32043	DIGITAL SIGNAL PROCESSING	8	2	0
12A85A0411	R32026	MANAGEMENT SCIENCE	8	20	0
12A85A0411	R32043	DIGITAL SIGNAL PROCESSING	7	0	0
12A85A0411	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	9	4	0
12A85A0411	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	31	2
12A85A0411	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	8	35	2
12A85A0507	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	-1	0
12A85A0510	R32054	UNIX PROGRAMMING	11	36	4
12A85A0510	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	29	4
13A85A0101	R32011	GEOTECHNICAL ENGINEERING - I	8	13	0
13A85A0101	R32012	WATER AND WASTEWATER ENGINEERING	10	32	4
13A85A0101	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	13	10	0
13A85A0101	R32014	WATER RESOURCES ENGINEERING-II	8	34	4
13A85A0101	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	5	18	0
13A85A0101	R32016	TRANSPORTATION ENGINEERING-II	13	28	4
13A85A0101	R32017	GEOTECHNICAL ENGINEERING LAB	19	46	2
13A85A0101	R32018	TRANSPORTATION ENGINEERING LAB	20	40	2
13A85A0102	R32011	GEOTECHNICAL ENGINEERING - I	22	65	4
13A85A0102	R32012	WATER AND WASTEWATER ENGINEERING	24	49	4
13A85A0102	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	22	65	4
13A85A0102	R32014	WATER RESOURCES ENGINEERING-II	22	50	4
13A85A0102	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	24	50	4
13A85A0102	R32016	TRANSPORTATION ENGINEERING-II	24	49	4
13A85A0102	R32017	GEOTECHNICAL ENGINEERING LAB	24	49	2
13A85A0102	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
13A85A0103	R32011	GEOTECHNICAL ENGINEERING - I	17	42	4
13A85A0103	R32012	WATER AND WASTEWATER ENGINEERING	18	49	4
13A85A0103	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	9	34	4
13A85A0103	R32014	WATER RESOURCES ENGINEERING-II	8	45	4
13A85A0103	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	22	49	4
13A85A0103	R32016	TRANSPORTATION ENGINEERING-II	9	53	4
13A85A0103	R32017	GEOTECHNICAL ENGINEERING LAB	19	49	2
13A85A0103	R32018	TRANSPORTATION ENGINEERING LAB	22	48	2
13A85A0104	R32011	GEOTECHNICAL ENGINEERING - I	23	36	4
13A85A0104	R32012	WATER AND WASTEWATER ENGINEERING	19	26	4
13A85A0104	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	18	44	4
13A85A0104	R32014	WATER RESOURCES ENGINEERING-II	16	40	4
13A85A0104	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	21	37	4
13A85A0104	R32016	TRANSPORTATION ENGINEERING-II	23	41	4
13A85A0104	R32017	GEOTECHNICAL ENGINEERING LAB	20	46	2
13A85A0104	R32018	TRANSPORTATION ENGINEERING LAB	23	44	2
13A85A0105	R32011	GEOTECHNICAL ENGINEERING - I	25	57	4
13A85A0105	R32012	WATER AND WASTEWATER ENGINEERING	21	43	4
13A85A0105	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	21	0	0
13A85A0105	R32014	WATER RESOURCES ENGINEERING-II	20	46	4
13A85A0105	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	25	46	4
13A85A0105	R32016	TRANSPORTATION ENGINEERING-II	24	33	4

Htno	Subcode	Subname	Internal	External	credits
13A85A0105	R32017	GEOTECHNICAL ENGINEERING LAB	21	48	2
13A85A0105	R32018	TRANSPORTATION ENGINEERING LAB	23	46	2
13A85A0106	R32011	GEOTECHNICAL ENGINEERING - I	22	51	4
13A85A0106	R32012	WATER AND WASTEWATER ENGINEERING	22	36	4
13A85A0106	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	16	42	4
13A85A0106	R32014	WATER RESOURCES ENGINEERING-II	19	39	4
13A85A0106	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	24	54	4
13A85A0106	R32016	TRANSPORTATION ENGINEERING-II	24	30	4
13A85A0106	R32017	GEOTECHNICAL ENGINEERING LAB	24	49	2
13A85A0106	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
13A85A0107	R32011	GEOTECHNICAL ENGINEERING - I	20	44	4
13A85A0107	R32012	WATER AND WASTEWATER ENGINEERING	18	52	4
13A85A0107	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	16	39	4
13A85A0107	R32014	WATER RESOURCES ENGINEERING-II	13	52	4
13A85A0107	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	24	57	4
13A85A0107	R32016	TRANSPORTATION ENGINEERING-II	22	41	4
13A85A0107	R32017	GEOTECHNICAL ENGINEERING LAB	20	47	2
13A85A0107	R32018	TRANSPORTATION ENGINEERING LAB	24	46	2
13A85A0108	R32011	GEOTECHNICAL ENGINEERING - I	20	52	4
13A85A0108	R32012	WATER AND WASTEWATER ENGINEERING	23	39	4
13A85A0108	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	15	40	4
13A85A0108	R32014	WATER RESOURCES ENGINEERING-II	16	70	4
13A85A0108	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	24	54	4
13A85A0108	R32016	TRANSPORTATION ENGINEERING-II	21	38	4
13A85A0108	R32017	GEOTECHNICAL ENGINEERING LAB	23	49	2
13A85A0108	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
13A85A0109	R32011	GEOTECHNICAL ENGINEERING - I	23	47	4
13A85A0109	R32012	WATER AND WASTEWATER ENGINEERING	19	35	4
13A85A0109	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	15	40	4
13A85A0109	R32014	WATER RESOURCES ENGINEERING-II	18	63	4
13A85A0109	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	24	60	4
13A85A0109	R32016	TRANSPORTATION ENGINEERING-II	23	42	4
13A85A0109	R32017	GEOTECHNICAL ENGINEERING LAB	24	49	2
13A85A0109	R32018	TRANSPORTATION ENGINEERING LAB	25	48	2
13A85A0110	R32011	GEOTECHNICAL ENGINEERING - I	16	36	4
13A85A0110	R32012	WATER AND WASTEWATER ENGINEERING	12	32	4
13A85A0110	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	19	7	0
13A85A0110	R32014	WATER RESOURCES ENGINEERING-II	17	26	4
13A85A0110	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	20	42	4
13A85A0110	R32016	TRANSPORTATION ENGINEERING-II	16	17	0
13A85A0110	R32017	GEOTECHNICAL ENGINEERING LAB	19	48	2
13A85A0110	R32018	TRANSPORTATION ENGINEERING LAB	24	46	2
13A85A0111	R32011	GEOTECHNICAL ENGINEERING - I	22	36	4
13A85A0111	R32012	WATER AND WASTEWATER ENGINEERING	21	39	4
13A85A0111	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	18	32	4
13A85A0111	R32014	WATER RESOURCES ENGINEERING-II	18	42	4
13A85A0111	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	19	0	0
13A85A0111	R32016	TRANSPORTATION ENGINEERING-II	19	47	4
13A85A0111	R32017	GEOTECHNICAL ENGINEERING LAB	19	43	2
13A85A0111	R32018	TRANSPORTATION ENGINEERING LAB	23	44	2
13A85A0112	R32011	GEOTECHNICAL ENGINEERING - I	17	38	4

Htno	Subcode	Subname	Internal	External	credits
13A85A0112	R32012	WATER AND WASTEWATER ENGINEERING	16	29	4
13A85A0112	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	19	12	0
13A85A0112	R32014	WATER RESOURCES ENGINEERING-II	14	45	4
13A85A0112	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	15	26	4
13A85A0112	R32016	TRANSPORTATION ENGINEERING-II	13	34	4
13A85A0112	R32017	GEOTECHNICAL ENGINEERING LAB	18	43	2
13A85A0112	R32018	TRANSPORTATION ENGINEERING LAB	18	36	2
13A85A0113	R32011	GEOTECHNICAL ENGINEERING - I	17	41	4
13A85A0113	R32012	WATER AND WASTEWATER ENGINEERING	17	37	4
13A85A0113	R32013	DESIGN & DRAWING OF STEEL STRUCTURES	16	47	4
13A85A0113	R32014	WATER RESOURCES ENGINEERING-II	15	45	4
13A85A0113	R32015	DESIGN & DRAWING OF CONCRETE STRUCTURES -II	20	45	4
13A85A0113	R32016	TRANSPORTATION ENGINEERING-II	20	45	4
13A85A0113	R32017	GEOTECHNICAL ENGINEERING LAB	21	44	2
13A85A0113	R32018	TRANSPORTATION ENGINEERING LAB	23	44	2
13A85A0201	R32021	ELECTRICAL MACHINE DESIGN	24	31	4
13A85A0201	R32022	POWER SYSTEM ANALYSIS	24	26	4
13A85A0201	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	43	4
13A85A0201	R32024	MICROPROCESSORS AND MICROCONTROLLER	13	14	0
13A85A0201	R32025	POWER SEMICONDUCTOR DRIVES	15	15	0
13A85A0201	R32026	MANAGEMENT SCIENCE	13	16	0
13A85A0201	R32027	POWER ELECTRONICS LAB	23	46	2
13A85A0201	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
13A85A0202	R32021	ELECTRICAL MACHINE DESIGN	25	55	4
13A85A0202	R32022	POWER SYSTEM ANALYSIS	23	39	4
13A85A0202	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	55	4
13A85A0202	R32024	MICROPROCESSORS AND MICROCONTROLLER	23	40	4
13A85A0202	R32025	POWER SEMICONDUCTOR DRIVES	21	42	4
13A85A0202	R32026	MANAGEMENT SCIENCE	23	57	4
13A85A0202	R32027	POWER ELECTRONICS LAB	24	47	2
13A85A0202	R32028	ELECTRICAL MEASUREMENTS LAB	23	46	2
13A85A0203	R32021	ELECTRICAL MACHINE DESIGN	25	33	4
13A85A0203	R32022	POWER SYSTEM ANALYSIS	22	35	4
13A85A0203	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	51	4
13A85A0203	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	40	4
13A85A0203	R32025	POWER SEMICONDUCTOR DRIVES	18	63	4
13A85A0203	R32026	MANAGEMENT SCIENCE	21	50	4
13A85A0203	R32027	POWER ELECTRONICS LAB	24	47	2
13A85A0203	R32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
13A85A0204	R32021	ELECTRICAL MACHINE DESIGN	25	46	4
13A85A0204	R32022	POWER SYSTEM ANALYSIS	24	62	4
13A85A0204	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	75	4
13A85A0204	R32024	MICROPROCESSORS AND MICROCONTROLLER	24	75	4
13A85A0204	R32025	POWER SEMICONDUCTOR DRIVES	23	39	4
13A85A0204	R32026	MANAGEMENT SCIENCE	21	46	4
13A85A0204	R32027	POWER ELECTRONICS LAB	24	48	2
13A85A0204	R32028	ELECTRICAL MEASUREMENTS LAB	25	49	2
13A85A0205	R32021	ELECTRICAL MACHINE DESIGN	25	51	4
13A85A0205	R32022	POWER SYSTEM ANALYSIS	24	46	4
13A85A0205	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	55	4
13A85A0205	R32024	MICROPROCESSORS AND MICROCONTROLLER	25	44	4

Htno	Subcode	Subname	Internal	External	credits
13A85A0205	R32025	POWER SEMICONDUCTOR DRIVES	21	35	4
13A85A0205	R32026	MANAGEMENT SCIENCE	23	32	4
13A85A0205	R32027	POWER ELECTRONICS LAB	24	45	2
13A85A0205	R32028	ELECTRICAL MEASUREMENTS LAB	24	48	2
13A85A0206	R32021	ELECTRICAL MACHINE DESIGN	23	47	4
13A85A0206	R32022	POWER SYSTEM ANALYSIS	24	58	4
13A85A0206	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	59	4
13A85A0206	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	55	4
13A85A0206	R32025	POWER SEMICONDUCTOR DRIVES	22	74	4
13A85A0206	R32026	MANAGEMENT SCIENCE	20	60	4
13A85A0206	R32027	POWER ELECTRONICS LAB	24	45	2
13A85A0206	R32028	ELECTRICAL MEASUREMENTS LAB	22	48	2
13A85A0207	R32021	ELECTRICAL MACHINE DESIGN	24	39	4
13A85A0207	R32022	POWER SYSTEM ANALYSIS	24	28	4
13A85A0207	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	52	4
13A85A0207	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	40	4
13A85A0207	R32025	POWER SEMICONDUCTOR DRIVES	17	51	4
13A85A0207	R32026	MANAGEMENT SCIENCE	20	36	4
13A85A0207	R32027	POWER ELECTRONICS LAB	23	46	2
13A85A0207	R32028	ELECTRICAL MEASUREMENTS LAB	21	44	2
13A85A0208	R32021	ELECTRICAL MACHINE DESIGN	25	71	4
13A85A0208	R32022	POWER SYSTEM ANALYSIS	24	75	4
13A85A0208	R32023	UTILIZATION OF ELECTRICAL ENERGY	25	69	4
13A85A0208	R32024	MICROPROCESSORS AND MICROCONTROLLER	24	67	4
13A85A0208	R32025	POWER SEMICONDUCTOR DRIVES	23	53	4
13A85A0208	R32026	MANAGEMENT SCIENCE	22	51	4
13A85A0208	R32027	POWER ELECTRONICS LAB	24	47	2
13A85A0208	R32028	ELECTRICAL MEASUREMENTS LAB	24	47	2
13A85A0209	R32021	ELECTRICAL MACHINE DESIGN	25	53	4
13A85A0209	R32022	POWER SYSTEM ANALYSIS	20	29	4
13A85A0209	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	51	4
13A85A0209	R32024	MICROPROCESSORS AND MICROCONTROLLER	22	45	4
13A85A0209	R32025	POWER SEMICONDUCTOR DRIVES	22	47	4
13A85A0209	R32026	MANAGEMENT SCIENCE	24	42	4
13A85A0209	R32027	POWER ELECTRONICS LAB	25	46	2
13A85A0209	R32028	ELECTRICAL MEASUREMENTS LAB	22	45	2
13A85A0210	R32021	ELECTRICAL MACHINE DESIGN	25	41	4
13A85A0210	R32022	POWER SYSTEM ANALYSIS	21	47	4
13A85A0210	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	67	4
13A85A0210	R32024	MICROPROCESSORS AND MICROCONTROLLER	23	35	4
13A85A0210	R32025	POWER SEMICONDUCTOR DRIVES	18	43	4
13A85A0210	R32026	MANAGEMENT SCIENCE	22	39	4
13A85A0210	R32027	POWER ELECTRONICS LAB	23	48	2
13A85A0210	R32028	ELECTRICAL MEASUREMENTS LAB	24	49	2
13A85A0211	R32021	ELECTRICAL MACHINE DESIGN	25	50	4
13A85A0211	R32022	POWER SYSTEM ANALYSIS	23	40	4
13A85A0211	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	46	4
13A85A0211	R32024	MICROPROCESSORS AND MICROCONTROLLER	25	46	4
13A85A0211	R32025	POWER SEMICONDUCTOR DRIVES	24	60	4
13A85A0211	R32026	MANAGEMENT SCIENCE	20	51	4
13A85A0211	R32027	POWER ELECTRONICS LAB	24	47	2

Htno	Subcode	Subname	Internal	External	credits
13A85A0211	R32028	ELECTRICAL MEASUREMENTS LAB	23	47	2
13A85A0212	R32021	ELECTRICAL MACHINE DESIGN	24	32	4
13A85A0212	R32022	POWER SYSTEM ANALYSIS	17	26	4
13A85A0212	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	58	4
13A85A0212	R32024	MICROPROCESSORS AND MICROCONTROLLER	13	34	4
13A85A0212	R32025	POWER SEMICONDUCTOR DRIVES	16	31	4
13A85A0212	R32026	MANAGEMENT SCIENCE	16	26	4
13A85A0212	R32027	POWER ELECTRONICS LAB	20	46	2
13A85A0212	R32028	ELECTRICAL MEASUREMENTS LAB	17	38	2
13A85A0213	R32021	ELECTRICAL MACHINE DESIGN	25	56	4
13A85A0213	R32022	POWER SYSTEM ANALYSIS	22	32	4
13A85A0213	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	55	4
13A85A0213	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	47	4
13A85A0213	R32025	POWER SEMICONDUCTOR DRIVES	25	34	4
13A85A0213	R32026	MANAGEMENT SCIENCE	21	59	4
13A85A0213	R32027	POWER ELECTRONICS LAB	21	48	2
13A85A0213	R32028	ELECTRICAL MEASUREMENTS LAB	23	46	2
13A85A0214	R32021	ELECTRICAL MACHINE DESIGN	19	41	4
13A85A0214	R32022	POWER SYSTEM ANALYSIS	18	30	4
13A85A0214	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	62	4
13A85A0214	R32024	MICROPROCESSORS AND MICROCONTROLLER	15	33	4
13A85A0214	R32025	POWER SEMICONDUCTOR DRIVES	21	32	4
13A85A0214	R32026	MANAGEMENT SCIENCE	16	42	4
13A85A0214	R32027	POWER ELECTRONICS LAB	19	40	2
13A85A0214	R32028	ELECTRICAL MEASUREMENTS LAB	23	45	2
13A85A0215	R32021	ELECTRICAL MACHINE DESIGN	24	29	4
13A85A0215	R32022	POWER SYSTEM ANALYSIS	21	35	4
13A85A0215	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	46	4
13A85A0215	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	45	4
13A85A0215	R32025	POWER SEMICONDUCTOR DRIVES	21	41	4
13A85A0215	R32026	MANAGEMENT SCIENCE	21	50	4
13A85A0215	R32027	POWER ELECTRONICS LAB	22	47	2
13A85A0215	R32028	ELECTRICAL MEASUREMENTS LAB	22	46	2
13A85A0216	R32021	ELECTRICAL MACHINE DESIGN	24	36	4
13A85A0216	R32022	POWER SYSTEM ANALYSIS	21	59	4
13A85A0216	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	59	4
13A85A0216	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	49	4
13A85A0216	R32025	POWER SEMICONDUCTOR DRIVES	23	29	4
13A85A0216	R32026	MANAGEMENT SCIENCE	18	42	4
13A85A0216	R32027	POWER ELECTRONICS LAB	18	48	2
13A85A0216	R32028	ELECTRICAL MEASUREMENTS LAB	22	46	2
13A85A0217	R32021	ELECTRICAL MACHINE DESIGN	22	36	4
13A85A0217	R32022	POWER SYSTEM ANALYSIS	21	55	4
13A85A0217	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	47	4
13A85A0217	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	46	4
13A85A0217	R32025	POWER SEMICONDUCTOR DRIVES	24	50	4
13A85A0217	R32026	MANAGEMENT SCIENCE	18	33	4
13A85A0217	R32027	POWER ELECTRONICS LAB	22	49	2
13A85A0217	R32028	ELECTRICAL MEASUREMENTS LAB	23	47	2
13A85A0218	R32021	ELECTRICAL MACHINE DESIGN	23	33	4
13A85A0218	R32022	POWER SYSTEM ANALYSIS	16	31	4

Htno	Subcode	Subname	Internal	External	credits
13A85A0218	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	51	4
13A85A0218	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	42	4
13A85A0218	R32025	POWER SEMICONDUCTOR DRIVES	24	36	4
13A85A0218	R32026	MANAGEMENT SCIENCE	19	43	4
13A85A0218	R32027	POWER ELECTRONICS LAB	22	47	2
13A85A0218	R32028	ELECTRICAL MEASUREMENTS LAB	23	45	2
13A85A0219	R32021	ELECTRICAL MACHINE DESIGN	24	26	4
13A85A0219	R32022	POWER SYSTEM ANALYSIS	24	26	4
13A85A0219	R32023	UTILIZATION OF ELECTRICAL ENERGY	23	43	4
13A85A0219	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	30	4
13A85A0219	R32025	POWER SEMICONDUCTOR DRIVES	23	61	4
13A85A0219	R32026	MANAGEMENT SCIENCE	18	44	4
13A85A0219	R32027	POWER ELECTRONICS LAB	21	47	2
13A85A0219	R32028	ELECTRICAL MEASUREMENTS LAB	23	45	2
13A85A0221	R32021	ELECTRICAL MACHINE DESIGN	22	50	4
13A85A0221	R32022	POWER SYSTEM ANALYSIS	21	47	4
13A85A0221	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	59	4
13A85A0221	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	38	4
13A85A0221	R32025	POWER SEMICONDUCTOR DRIVES	24	35	4
13A85A0221	R32026	MANAGEMENT SCIENCE	20	35	4
13A85A0221	R32027	POWER ELECTRONICS LAB	19	48	2
13A85A0221	R32028	ELECTRICAL MEASUREMENTS LAB	22	45	2
13A85A0222	R32021	ELECTRICAL MACHINE DESIGN	22	46	4
13A85A0222	R32022	POWER SYSTEM ANALYSIS	14	29	4
13A85A0222	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	38	4
13A85A0222	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	46	4
13A85A0222	R32025	POWER SEMICONDUCTOR DRIVES	22	43	4
13A85A0222	R32026	MANAGEMENT SCIENCE	16	34	4
13A85A0222	R32027	POWER ELECTRONICS LAB	22	49	2
13A85A0222	R32028	ELECTRICAL MEASUREMENTS LAB	22	45	2
13A85A0223	R32021	ELECTRICAL MACHINE DESIGN	23	52	4
13A85A0223	R32022	POWER SYSTEM ANALYSIS	23	35	4
13A85A0223	R32023	UTILIZATION OF ELECTRICAL ENERGY	25	66	4
13A85A0223	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	53	4
13A85A0223	R32025	POWER SEMICONDUCTOR DRIVES	24	33	4
13A85A0223	R32026	MANAGEMENT SCIENCE	23	53	4
13A85A0223	R32027	POWER ELECTRONICS LAB	21	47	2
13A85A0223	R32028	ELECTRICAL MEASUREMENTS LAB	25	49	2
13A85A0224	R32021	ELECTRICAL MACHINE DESIGN	24	33	4
13A85A0224	R32022	POWER SYSTEM ANALYSIS	17	26	4
13A85A0224	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	49	4
13A85A0224	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	29	4
13A85A0224	R32025	POWER SEMICONDUCTOR DRIVES	23	55	4
13A85A0224	R32026	MANAGEMENT SCIENCE	16	57	4
13A85A0224	R32027	POWER ELECTRONICS LAB	19	49	2
13A85A0224	R32028	ELECTRICAL MEASUREMENTS LAB	22	48	2
13A85A0225	R32021	ELECTRICAL MACHINE DESIGN	25	50	4
13A85A0225	R32022	POWER SYSTEM ANALYSIS	24	60	4
13A85A0225	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	67	4
13A85A0225	R32024	MICROPROCESSORS AND MICROCONTROLLER	23	67	4
13A85A0225	R32025	POWER SEMICONDUCTOR DRIVES	24	47	4

Htno	Subcode	Subname	Internal	External	credits
13A85A0225	R32026	MANAGEMENT SCIENCE	22	50	4
13A85A0225	R32027	POWER ELECTRONICS LAB	21	48	2
13A85A0225	R32028	ELECTRICAL MEASUREMENTS LAB	24	49	2
13A85A0226	R32021	ELECTRICAL MACHINE DESIGN	23	37	4
13A85A0226	R32022	POWER SYSTEM ANALYSIS	20	26	4
13A85A0226	R32023	UTILIZATION OF ELECTRICAL ENERGY	22	44	4
13A85A0226	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	35	4
13A85A0226	R32025	POWER SEMICONDUCTOR DRIVES	23	38	4
13A85A0226	R32026	MANAGEMENT SCIENCE	22	32	4
13A85A0226	R32027	POWER ELECTRONICS LAB	18	47	2
13A85A0226	R32028	ELECTRICAL MEASUREMENTS LAB	20	44	2
13A85A0301	R32031	METROLOGY	17	29	4
13A85A0301	R32032	ROBOTICS	17	36	4
13A85A0301	R32033	HEAT TRANSFER	19	37	4
13A85A0301	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	30	4
13A85A0301	R32035	DESIGN OF MACHINE MEMBERS_II	16	11	0
13A85A0301	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	35	4
13A85A0301	R32037	METROLOGY & INSTRUMENTATION LAB	21	49	2
13A85A0301	R32038	HEAT TRANSFER LAB	22	45	2
13A85A0302	R32031	METROLOGY	22	34	4
13A85A0302	R32032	ROBOTICS	23	48	4
13A85A0302	R32033	HEAT TRANSFER	19	30	4
13A85A0302	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	52	4
13A85A0302	R32035	DESIGN OF MACHINE MEMBERS_II	19	26	4
13A85A0302	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	49	4
13A85A0302	R32037	METROLOGY & INSTRUMENTATION LAB	22	47	2
13A85A0302	R32038	HEAT TRANSFER LAB	21	45	2
13A85A0303	R32031	METROLOGY	24	49	4
13A85A0303	R32032	ROBOTICS	22	42	4
13A85A0303	R32033	HEAT TRANSFER	22	48	4
13A85A0303	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	49	4
13A85A0303	R32035	DESIGN OF MACHINE MEMBERS_II	19	43	4
13A85A0303	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	45	4
13A85A0303	R32037	METROLOGY & INSTRUMENTATION LAB	24	49	2
13A85A0303	R32038	HEAT TRANSFER LAB	19	41	2
13A85A0304	R32031	METROLOGY	18	47	4
13A85A0304	R32032	ROBOTICS	18	46	4
13A85A0304	R32033	HEAT TRANSFER	20	28	4
13A85A0304	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	34	4
13A85A0304	R32035	DESIGN OF MACHINE MEMBERS_II	23	48	4
13A85A0304	R32036	INDUSTRIAL ENGG. & MANAGEMENT	24	45	4
13A85A0304	R32037	METROLOGY & INSTRUMENTATION LAB	24	46	2
13A85A0304	R32038	HEAT TRANSFER LAB	21	43	2
13A85A0305	R32031	METROLOGY	19	26	4
13A85A0305	R32032	ROBOTICS	19	40	4
13A85A0305	R32033	HEAT TRANSFER	22	31	4
13A85A0305	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	47	4
13A85A0305	R32035	DESIGN OF MACHINE MEMBERS_II	18	13	0
13A85A0305	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	48	4
13A85A0305	R32037	METROLOGY & INSTRUMENTATION LAB	16	46	2
13A85A0305	R32038	HEAT TRANSFER LAB	20	40	2

Htno	Subcode	Subname	Internal	External	credits
13A85A0306	R32031	METROLOGY	20	33	4
13A85A0306	R32032	ROBOTICS	22	63	4
13A85A0306	R32033	HEAT TRANSFER	18	33	4
13A85A0306	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	41	4
13A85A0306	R32035	DESIGN OF MACHINE MEMBERS_II	18	43	4
13A85A0306	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	33	4
13A85A0306	R32037	METROLOGY & INSTRUMENTATION LAB	20	47	2
13A85A0306	R32038	HEAT TRANSFER LAB	19	41	2
13A85A0307	R32031	METROLOGY	10	22	0
13A85A0307	R32032	ROBOTICS	6	11	0
13A85A0307	R32033	HEAT TRANSFER	6	11	0
13A85A0307	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	11	0
13A85A0307	R32035	DESIGN OF MACHINE MEMBERS_II	3	26	0
13A85A0307	R32036	INDUSTRIAL ENGG. & MANAGEMENT	10	34	4
13A85A0307	R32037	METROLOGY & INSTRUMENTATION LAB	7	26	2
13A85A0307	R32038	HEAT TRANSFER LAB	13	37	2
13A85A0308	R32031	METROLOGY	17	45	4
13A85A0308	R32032	ROBOTICS	18	48	4
13A85A0308	R32033	HEAT TRANSFER	16	28	4
13A85A0308	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	27	4
13A85A0308	R32035	DESIGN OF MACHINE MEMBERS_II	12	49	4
13A85A0308	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	30	4
13A85A0308	R32037	METROLOGY & INSTRUMENTATION LAB	22	47	2
13A85A0308	R32038	HEAT TRANSFER LAB	19	43	2
13A85A0309	R32031	METROLOGY	19	26	4
13A85A0309	R32032	ROBOTICS	21	49	4
13A85A0309	R32033	HEAT TRANSFER	19	35	4
13A85A0309	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	39	4
13A85A0309	R32035	DESIGN OF MACHINE MEMBERS_II	17	34	4
13A85A0309	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	37	4
13A85A0309	R32037	METROLOGY & INSTRUMENTATION LAB	22	47	2
13A85A0309	R32038	HEAT TRANSFER LAB	19	38	2
13A85A0310	R32031	METROLOGY	20	37	4
13A85A0310	R32032	ROBOTICS	22	62	4
13A85A0310	R32033	HEAT TRANSFER	19	49	4
13A85A0310	R32034	INSTRUMENTATION & CONTROL SYSTEMS	24	53	4
13A85A0310	R32035	DESIGN OF MACHINE MEMBERS_II	15	37	4
13A85A0310	R32036	INDUSTRIAL ENGG. & MANAGEMENT	22	53	4
13A85A0310	R32037	METROLOGY & INSTRUMENTATION LAB	24	46	2
13A85A0310	R32038	HEAT TRANSFER LAB	22	47	2
13A85A0311	R32031	METROLOGY	16	47	4
13A85A0311	R32032	ROBOTICS	20	42	4
13A85A0311	R32033	HEAT TRANSFER	17	43	4
13A85A0311	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	33	4
13A85A0311	R32035	DESIGN OF MACHINE MEMBERS_II	9	38	4
13A85A0311	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	44	4
13A85A0311	R32037	METROLOGY & INSTRUMENTATION LAB	20	46	2
13A85A0311	R32038	HEAT TRANSFER LAB	18	26	2
13A85A0312	R32031	METROLOGY	21	41	4
13A85A0312	R32032	ROBOTICS	22	46	4
13A85A0312	R32033	HEAT TRANSFER	19	30	4

Htno	Subcode	Subname	Internal	External	credits
13A85A0312	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	26	4
13A85A0312	R32035	DESIGN OF MACHINE MEMBERS_II	17	54	4
13A85A0312	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	46	4
13A85A0312	R32037	METROLOGY & INSTRUMENTATION LAB	24	44	2
13A85A0312	R32038	HEAT TRANSFER LAB	17	38	2
13A85A0313	R32031	METROLOGY	24	38	4
13A85A0313	R32032	ROBOTICS	22	48	4
13A85A0313	R32033	HEAT TRANSFER	21	44	4
13A85A0313	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	50	4
13A85A0313	R32035	DESIGN OF MACHINE MEMBERS_II	19	35	4
13A85A0313	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	46	4
13A85A0313	R32037	METROLOGY & INSTRUMENTATION LAB	24	47	2
13A85A0313	R32038	HEAT TRANSFER LAB	21	45	2
13A85A0314	R32031	METROLOGY	22	37	4
13A85A0314	R32032	ROBOTICS	23	60	4
13A85A0314	R32033	HEAT TRANSFER	24	45	4
13A85A0314	R32034	INSTRUMENTATION & CONTROL SYSTEMS	24	43	4
13A85A0314	R32035	DESIGN OF MACHINE MEMBERS_II	23	33	4
13A85A0314	R32036	INDUSTRIAL ENGG. & MANAGEMENT	23	46	4
13A85A0314	R32037	METROLOGY & INSTRUMENTATION LAB	24	47	2
13A85A0314	R32038	HEAT TRANSFER LAB	22	47	2
13A85A0315	R32031	METROLOGY	21	48	4
13A85A0315	R32032	ROBOTICS	20	39	4
13A85A0315	R32033	HEAT TRANSFER	18	35	4
13A85A0315	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	42	4
13A85A0315	R32035	DESIGN OF MACHINE MEMBERS_II	22	43	4
13A85A0315	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	43	4
13A85A0315	R32037	METROLOGY & INSTRUMENTATION LAB	23	47	2
13A85A0315	R32038	HEAT TRANSFER LAB	20	42	2
13A85A0316	R32031	METROLOGY	17	50	4
13A85A0316	R32032	ROBOTICS	22	43	4
13A85A0316	R32033	HEAT TRANSFER	15	27	4
13A85A0316	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	26	4
13A85A0316	R32035	DESIGN OF MACHINE MEMBERS_II	17	49	4
13A85A0316	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	49	4
13A85A0316	R32037	METROLOGY & INSTRUMENTATION LAB	19	36	2
13A85A0316	R32038	HEAT TRANSFER LAB	15	39	2
13A85A0317	R32031	METROLOGY	23	43	4
13A85A0317	R32032	ROBOTICS	24	53	4
13A85A0317	R32033	HEAT TRANSFER	24	46	4
13A85A0317	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	56	4
13A85A0317	R32035	DESIGN OF MACHINE MEMBERS_II	20	30	4
13A85A0317	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	45	4
13A85A0317	R32037	METROLOGY & INSTRUMENTATION LAB	19	46	2
13A85A0317	R32038	HEAT TRANSFER LAB	21	46	2
13A85A0318	R32031	METROLOGY	19	29	4
13A85A0318	R32032	ROBOTICS	16	53	4
13A85A0318	R32033	HEAT TRANSFER	18	44	4
13A85A0318	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	44	4
13A85A0318	R32035	DESIGN OF MACHINE MEMBERS_II	16	42	4
13A85A0318	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	50	4

Htno	Subcode	Subname	Internal	External	credits
13A85A0318	R32037	METROLOGY & INSTRUMENTATION LAB	16	46	2
13A85A0318	R32038	HEAT TRANSFER LAB	18	38	2
13A85A0320	R32031	METROLOGY	16	49	4
13A85A0320	R32032	ROBOTICS	18	42	4
13A85A0320	R32033	HEAT TRANSFER	17	42	4
13A85A0320	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	26	4
13A85A0320	R32035	DESIGN OF MACHINE MEMBERS_II	17	31	4
13A85A0320	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	43	4
13A85A0320	R32037	METROLOGY & INSTRUMENTATION LAB	17	37	2
13A85A0320	R32038	HEAT TRANSFER LAB	20	44	2
13A85A0321	R32031	METROLOGY	16	47	4
13A85A0321	R32032	ROBOTICS	21	44	4
13A85A0321	R32033	HEAT TRANSFER	16	10	0
13A85A0321	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	31	4
13A85A0321	R32035	DESIGN OF MACHINE MEMBERS_II	9	13	0
13A85A0321	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	48	4
13A85A0321	R32037	METROLOGY & INSTRUMENTATION LAB	12	46	2
13A85A0321	R32038	HEAT TRANSFER LAB	12	25	2
13A85A0322	R32031	METROLOGY	17	26	4
13A85A0322	R32032	ROBOTICS	18	34	4
13A85A0322	R32033	HEAT TRANSFER	19	26	4
13A85A0322	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	39	4
13A85A0322	R32035	DESIGN OF MACHINE MEMBERS_II	15	34	4
13A85A0322	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	43	4
13A85A0322	R32037	METROLOGY & INSTRUMENTATION LAB	22	47	2
13A85A0322	R32038	HEAT TRANSFER LAB	18	40	2
13A85A0323	R32031	METROLOGY	25	53	4
13A85A0323	R32032	ROBOTICS	24	57	4
13A85A0323	R32033	HEAT TRANSFER	22	55	4
13A85A0323	R32034	INSTRUMENTATION & CONTROL SYSTEMS	24	55	4
13A85A0323	R32035	DESIGN OF MACHINE MEMBERS_II	22	39	4
13A85A0323	R32036	INDUSTRIAL ENGG. & MANAGEMENT	23	54	4
13A85A0323	R32037	METROLOGY & INSTRUMENTATION LAB	24	47	2
13A85A0323	R32038	HEAT TRANSFER LAB	22	47	2
13A85A0325	R32031	METROLOGY	16	40	4
13A85A0325	R32032	ROBOTICS	19	10	0
13A85A0325	R32033	HEAT TRANSFER	22	37	4
13A85A0325	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	16	0
13A85A0325	R32035	DESIGN OF MACHINE MEMBERS_II	20	41	4
13A85A0325	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	34	4
13A85A0325	R32037	METROLOGY & INSTRUMENTATION LAB	24	47	2
13A85A0325	R32038	HEAT TRANSFER LAB	20	40	2
13A85A0401	R32026	MANAGEMENT SCIENCE	21	42	4
13A85A0401	R32041	COMPUTER NETWORKS	19	44	4
13A85A0401	R32042	MICROWAVE ENGINEERING	24	43	4
13A85A0401	R32043	DIGITAL SIGNAL PROCESSING	15	33	4
13A85A0401	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	47	4
13A85A0401	R32045	VLSI DESIGN	21	35	4
13A85A0401	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	38	2
13A85A0401	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	40	2
13A85A0402	R32026	MANAGEMENT SCIENCE	20	47	4

Htno	Subcode	Subname	Internal	External	credits
13A85A0402	R32041	COMPUTER NETWORKS	18	41	4
13A85A0402	R32042	MICROWAVE ENGINEERING	19	36	4
13A85A0402	R32043	DIGITAL SIGNAL PROCESSING	14	26	4
13A85A0402	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	33	4
13A85A0402	R32045	VLSI DESIGN	17	36	4
13A85A0402	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	44	2
13A85A0402	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	40	2
13A85A0403	R32026	MANAGEMENT SCIENCE	19	26	4
13A85A0403	R32041	COMPUTER NETWORKS	14	48	4
13A85A0403	R32042	MICROWAVE ENGINEERING	16	37	4
13A85A0403	R32043	DIGITAL SIGNAL PROCESSING	10	15	0
13A85A0403	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	35	4
13A85A0403	R32045	VLSI DESIGN	14	27	4
13A85A0403	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	42	2
13A85A0403	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	40	2
13A85A0404	R32026	MANAGEMENT SCIENCE	20	27	4
13A85A0404	R32041	COMPUTER NETWORKS	12	33	4
13A85A0404	R32042	MICROWAVE ENGINEERING	18	39	4
13A85A0404	R32043	DIGITAL SIGNAL PROCESSING	13	14	0
13A85A0404	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	26	4
13A85A0404	R32045	VLSI DESIGN	9	19	0
13A85A0404	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	41	2
13A85A0404	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	42	2
13A85A0406	R32026	MANAGEMENT SCIENCE	19	35	4
13A85A0406	R32041	COMPUTER NETWORKS	18	32	4
13A85A0406	R32042	MICROWAVE ENGINEERING	19	33	4
13A85A0406	R32043	DIGITAL SIGNAL PROCESSING	11	29	4
13A85A0406	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	38	4
13A85A0406	R32045	VLSI DESIGN	17	35	4
13A85A0406	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	40	2
13A85A0406	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
13A85A0407	R32026	MANAGEMENT SCIENCE	20	51	4
13A85A0407	R32041	COMPUTER NETWORKS	16	58	4
13A85A0407	R32042	MICROWAVE ENGINEERING	23	30	4
13A85A0407	R32043	DIGITAL SIGNAL PROCESSING	17	38	4
13A85A0407	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	28	4
13A85A0407	R32045	VLSI DESIGN	18	38	4
13A85A0407	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	36	2
13A85A0407	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	39	2
13A85A0408	R32026	MANAGEMENT SCIENCE	20	30	4
13A85A0408	R32041	COMPUTER NETWORKS	12	43	4
13A85A0408	R32042	MICROWAVE ENGINEERING	17	47	4
13A85A0408	R32043	DIGITAL SIGNAL PROCESSING	16	12	0
13A85A0408	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	40	4
13A85A0408	R32045	VLSI DESIGN	15	28	4
13A85A0408	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	37	2
13A85A0408	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	38	2
13A85A0409	R32026	MANAGEMENT SCIENCE	21	42	4
13A85A0409	R32041	COMPUTER NETWORKS	17	41	4
13A85A0409	R32042	MICROWAVE ENGINEERING	21	39	4
13A85A0409	R32043	DIGITAL SIGNAL PROCESSING	15	46	4

Htno	Subcode	Subname	Internal	External	credits
13A85A0409	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	39	4
13A85A0409	R32045	VLSI DESIGN	16	40	4
13A85A0409	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	42	2
13A85A0409	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	39	2
13A85A0410	R32026	MANAGEMENT SCIENCE	20	46	4
13A85A0410	R32041	COMPUTER NETWORKS	24	40	4
13A85A0410	R32042	MICROWAVE ENGINEERING	19	40	4
13A85A0410	R32043	DIGITAL SIGNAL PROCESSING	21	34	4
13A85A0410	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	43	4
13A85A0410	R32045	VLSI DESIGN	18	39	4
13A85A0410	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	45	2
13A85A0410	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	47	2
13A85A0411	R32026	MANAGEMENT SCIENCE	12	47	4
13A85A0411	R32041	COMPUTER NETWORKS	17	54	4
13A85A0411	R32042	MICROWAVE ENGINEERING	14	33	4
13A85A0411	R32043	DIGITAL SIGNAL PROCESSING	10	15	0
13A85A0411	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	7	0
13A85A0411	R32045	VLSI DESIGN	11	31	4
13A85A0411	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	35	2
13A85A0411	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	15	45	2
13A85A0412	R32026	MANAGEMENT SCIENCE	20	37	4
13A85A0412	R32041	COMPUTER NETWORKS	23	55	4
13A85A0412	R32042	MICROWAVE ENGINEERING	22	55	4
13A85A0412	R32043	DIGITAL SIGNAL PROCESSING	17	39	4
13A85A0412	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	44	4
13A85A0412	R32045	VLSI DESIGN	20	35	4
13A85A0412	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
13A85A0412	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	38	2
13A85A0413	R32026	MANAGEMENT SCIENCE	23	45	4
13A85A0413	R32041	COMPUTER NETWORKS	23	44	4
13A85A0413	R32042	MICROWAVE ENGINEERING	23	51	4
13A85A0413	R32043	DIGITAL SIGNAL PROCESSING	22	57	4
13A85A0413	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	58	4
13A85A0413	R32045	VLSI DESIGN	21	59	4
13A85A0413	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	47	2
13A85A0413	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
13A85A0414	R32026	MANAGEMENT SCIENCE	21	50	4
13A85A0414	R32041	COMPUTER NETWORKS	23	46	4
13A85A0414	R32042	MICROWAVE ENGINEERING	23	51	4
13A85A0414	R32043	DIGITAL SIGNAL PROCESSING	21	46	4
13A85A0414	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	49	4
13A85A0414	R32045	VLSI DESIGN	23	36	4
13A85A0414	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
13A85A0414	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
13A85A0415	R32026	MANAGEMENT SCIENCE	15	48	4
13A85A0415	R32041	COMPUTER NETWORKS	19	51	4
13A85A0415	R32042	MICROWAVE ENGINEERING	15	30	4
13A85A0415	R32043	DIGITAL SIGNAL PROCESSING	14	26	4
13A85A0415	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	29	4
13A85A0415	R32045	VLSI DESIGN	15	30	4
13A85A0415	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2

Htno	Subcode	Subname	Internal	External	credits
13A85A0415	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	42	2
13A85A0416	R32026	MANAGEMENT SCIENCE	17	0	0
13A85A0416	R32041	COMPUTER NETWORKS	17	39	4
13A85A0416	R32042	MICROWAVE ENGINEERING	20	0	0
13A85A0416	R32043	DIGITAL SIGNAL PROCESSING	13	0	0
13A85A0416	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	3	0
13A85A0416	R32045	VLSI DESIGN	10	1	0
13A85A0416	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	-1	0
13A85A0416	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	18	-1	0
13A85A0417	R32026	MANAGEMENT SCIENCE	20	45	4
13A85A0417	R32041	COMPUTER NETWORKS	17	46	4
13A85A0417	R32042	MICROWAVE ENGINEERING	19	30	4
13A85A0417	R32043	DIGITAL SIGNAL PROCESSING	15	42	4
13A85A0417	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	34	4
13A85A0417	R32045	VLSI DESIGN	19	18	0
13A85A0417	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	36	2
13A85A0417	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	16	42	2
13A85A0418	R32026	MANAGEMENT SCIENCE	20	33	4
13A85A0418	R32041	COMPUTER NETWORKS	22	37	4
13A85A0418	R32042	MICROWAVE ENGINEERING	20	56	4
13A85A0418	R32043	DIGITAL SIGNAL PROCESSING	17	32	4
13A85A0418	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	41	4
13A85A0418	R32045	VLSI DESIGN	20	34	4
13A85A0418	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	35	2
13A85A0418	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	42	2
13A85A0419	R32026	MANAGEMENT SCIENCE	21	47	4
13A85A0419	R32041	COMPUTER NETWORKS	24	69	4
13A85A0419	R32042	MICROWAVE ENGINEERING	21	46	4
13A85A0419	R32043	DIGITAL SIGNAL PROCESSING	21	48	4
13A85A0419	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	62	4
13A85A0419	R32045	VLSI DESIGN	19	40	4
13A85A0419	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	46	2
13A85A0419	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	45	2
13A85A0420	R32026	MANAGEMENT SCIENCE	16	34	4
13A85A0420	R32041	COMPUTER NETWORKS	16	34	4
13A85A0420	R32042	MICROWAVE ENGINEERING	20	41	4
13A85A0420	R32043	DIGITAL SIGNAL PROCESSING	15	26	4
13A85A0420	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	30	4
13A85A0420	R32045	VLSI DESIGN	18	29	4
13A85A0420	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	32	2
13A85A0420	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	34	2
13A85A0421	R32026	MANAGEMENT SCIENCE	17	43	4
13A85A0421	R32041	COMPUTER NETWORKS	17	41	4
13A85A0421	R32042	MICROWAVE ENGINEERING	20	29	4
13A85A0421	R32043	DIGITAL SIGNAL PROCESSING	13	35	4
13A85A0421	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	26	4
13A85A0421	R32045	VLSI DESIGN	20	20	0
13A85A0421	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	28	2
13A85A0421	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	44	2
13A85A0423	R32026	MANAGEMENT SCIENCE	18	44	4
13A85A0423	R32041	COMPUTER NETWORKS	19	37	4

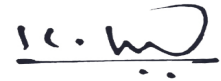
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13A85A0423	R32042	MICROWAVE ENGINEERING	19	26	4
13A85A0423	R32043	DIGITAL SIGNAL PROCESSING	17	30	4
13A85A0423	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	46	4
13A85A0423	R32045	VLSI DESIGN	18	36	4
13A85A0423	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	44	2
13A85A0423	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	48	2
13A85A0424	R32026	MANAGEMENT SCIENCE	20	52	4
13A85A0424	R32041	COMPUTER NETWORKS	19	43	4
13A85A0424	R32042	MICROWAVE ENGINEERING	19	14	0
13A85A0424	R32043	DIGITAL SIGNAL PROCESSING	11	14	0
13A85A0424	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	32	4
13A85A0424	R32045	VLSI DESIGN	18	44	4
13A85A0424	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	13	44	2
13A85A0424	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	19	46	2
13A85A0425	R32026	MANAGEMENT SCIENCE	16	27	4
13A85A0425	R32041	COMPUTER NETWORKS	12	43	4
13A85A0425	R32042	MICROWAVE ENGINEERING	21	37	4
13A85A0425	R32043	DIGITAL SIGNAL PROCESSING	21	26	4
13A85A0425	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	45	4
13A85A0425	R32045	VLSI DESIGN	16	36	4
13A85A0425	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	40	2
13A85A0425	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	44	2
13A85A0501	R32026	MANAGEMENT SCIENCE	18	37	4
13A85A0501	R32051	ADVANCED COMPUTER NETWORKS	18	34	4
13A85A0501	R32052	COMPUTER ARCHITECTURE	18	36	4
13A85A0501	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	47	4
13A85A0501	R32054	UNIX PROGRAMMING	17	38	4
13A85A0501	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	32	4
13A85A0501	R32057	COMPUTER NETWORKS AND UNIX LAB	21	47	2
13A85A0501	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	46	2
13A85A0502	R32026	MANAGEMENT SCIENCE	14	46	4
13A85A0502	R32051	ADVANCED COMPUTER NETWORKS	17	45	4
13A85A0502	R32052	COMPUTER ARCHITECTURE	18	32	4
13A85A0502	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	38	4
13A85A0502	R32054	UNIX PROGRAMMING	17	36	4
13A85A0502	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	38	4
13A85A0502	R32057	COMPUTER NETWORKS AND UNIX LAB	22	42	2
13A85A0502	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	45	2
13A85A0503	R32026	MANAGEMENT SCIENCE	15	36	4
13A85A0503	R32051	ADVANCED COMPUTER NETWORKS	14	36	4
13A85A0503	R32052	COMPUTER ARCHITECTURE	17	26	4
13A85A0503	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	36	4
13A85A0503	R32054	UNIX PROGRAMMING	14	41	4
13A85A0503	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	33	4
13A85A0503	R32057	COMPUTER NETWORKS AND UNIX LAB	21	42	2
13A85A0503	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	40	2
13A85A0504	R32026	MANAGEMENT SCIENCE	16	44	4
13A85A0504	R32051	ADVANCED COMPUTER NETWORKS	16	43	4
13A85A0504	R32052	COMPUTER ARCHITECTURE	15	41	4
13A85A0504	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	36	4
13A85A0504	R32054	UNIX PROGRAMMING	12	18	0

Htno	Subcode	Subname	Internal	External	credits
13A85A0504	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	64	4
13A85A0504	R32057	COMPUTER NETWORKS AND UNIX LAB	21	44	2
13A85A0504	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	44	2
13A85A0505	R32026	MANAGEMENT SCIENCE	18	36	4
13A85A0505	R32051	ADVANCED COMPUTER NETWORKS	17	35	4
13A85A0505	R32052	COMPUTER ARCHITECTURE	18	36	4
13A85A0505	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	64	4
13A85A0505	R32054	UNIX PROGRAMMING	17	43	4
13A85A0505	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	40	4
13A85A0505	R32057	COMPUTER NETWORKS AND UNIX LAB	24	44	2
13A85A0505	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	46	2
13A85A0506	R32026	MANAGEMENT SCIENCE	16	41	4
13A85A0506	R32051	ADVANCED COMPUTER NETWORKS	17	44	4
13A85A0506	R32052	COMPUTER ARCHITECTURE	16	36	4
13A85A0506	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	37	4
13A85A0506	R32054	UNIX PROGRAMMING	14	34	4
13A85A0506	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	30	4
13A85A0506	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
13A85A0506	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	46	2
13A85A0507	R32026	MANAGEMENT SCIENCE	14	38	4
13A85A0507	R32051	ADVANCED COMPUTER NETWORKS	14	44	4
13A85A0507	R32052	COMPUTER ARCHITECTURE	16	35	4
13A85A0507	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	14	45	4
13A85A0507	R32054	UNIX PROGRAMMING	15	48	4
13A85A0507	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	37	4
13A85A0507	R32057	COMPUTER NETWORKS AND UNIX LAB	21	40	2
13A85A0507	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	44	2
13A85A0508	R32026	MANAGEMENT SCIENCE	13	33	4
13A85A0508	R32051	ADVANCED COMPUTER NETWORKS	14	32	4
13A85A0508	R32052	COMPUTER ARCHITECTURE	13	37	4
13A85A0508	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	12	44	4
13A85A0508	R32054	UNIX PROGRAMMING	14	30	4
13A85A0508	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	55	4
13A85A0508	R32057	COMPUTER NETWORKS AND UNIX LAB	22	43	2
13A85A0508	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	20	42	2
13A85A0509	R32026	MANAGEMENT SCIENCE	19	43	4
13A85A0509	R32051	ADVANCED COMPUTER NETWORKS	19	42	4
13A85A0509	R32052	COMPUTER ARCHITECTURE	18	31	4
13A85A0509	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	70	4
13A85A0509	R32054	UNIX PROGRAMMING	21	48	4
13A85A0509	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	60	4
13A85A0509	R32057	COMPUTER NETWORKS AND UNIX LAB	21	43	2
13A85A0509	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	43	2
13A85A0510	R32026	MANAGEMENT SCIENCE	14	46	4
13A85A0510	R32051	ADVANCED COMPUTER NETWORKS	20	51	4
13A85A0510	R32052	COMPUTER ARCHITECTURE	21	40	4
13A85A0510	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	35	4
13A85A0510	R32054	UNIX PROGRAMMING	24	35	4
13A85A0510	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	36	4
13A85A0510	R32057	COMPUTER NETWORKS AND UNIX LAB	22	44	2
13A85A0510	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	44	2

Htno	Subcode	Subname	Internal	External	credits
13A85A0511	R32026	MANAGEMENT SCIENCE	18	43	4
13A85A0511	R32051	ADVANCED COMPUTER NETWORKS	17	47	4
13A85A0511	R32052	COMPUTER ARCHITECTURE	19	26	4
13A85A0511	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	52	4
13A85A0511	R32054	UNIX PROGRAMMING	21	58	4
13A85A0511	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	50	4
13A85A0511	R32057	COMPUTER NETWORKS AND UNIX LAB	21	41	2
13A85A0511	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	48	2
13A85A0512	R32026	MANAGEMENT SCIENCE	18	47	4
13A85A0512	R32051	ADVANCED COMPUTER NETWORKS	14	35	4
13A85A0512	R32052	COMPUTER ARCHITECTURE	16	35	4
13A85A0512	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	28	4
13A85A0512	R32054	UNIX PROGRAMMING	20	9	0
13A85A0512	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	57	4
13A85A0512	R32057	COMPUTER NETWORKS AND UNIX LAB	20	38	2
13A85A0512	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	45	2

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

Date:04-08-2015



Controller of Examinations