JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Result of IV B.Tech I Semester [R10] Regular/Supply Examinations Nov-2014

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

Htno	Subcode	Subname	Internal	External	credits
09BJ1A0314	R41031	REFRIGERATION & AIR CONDITIONING	15	2	0
09BJ1A0314	R41032	CAD/CAM	12	0	0
09BJ1A0314	R41033	ALTERNATIVE SOURCES OF ENERGY	16	4	0
09BJ1A0314	R41037	AUTOMOBILE ENGINEERING	15	10	0
09BJ1A0316	R41031	REFRIGERATION & AIR CONDITIONING	14	0	0
09BJ1A0316	R41034	UNCONVENTIONAL MACHINING PROCESSES	16	8	0
09BJ1A0421	R41042	EMBEDDED SYSTEMS	15	9	0
09BJ1A0421	R41043	DIGITAL IMAGE PROCESSING	19	11	0
09BJ1A0423	R41043	DIGITAL IMAGE PROCESSING	16	-1	0
09BJ1A0423	R41048	BIO-MEDICAL ENGINEERING	14	8	0
09BJ1A0429	R41043	DIGITAL IMAGE PROCESSING	15	0	0
09BJ1A0429	R41044	RADAR SYSTEMS	0	27	0
09BJ1A0429	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	0	16	0
09BJ1A0516	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	14	0	0
09BJ1A0516	R41052	UML & DESIGN PATTERNS	15	16	0
09BJ1A0516	R41057	OPEN SOURCE SOFTWARE	16	13	0
09BJ1A0516	R4105B	SOFTWARE PROJECT MANAGEMENT	13	-1	0
09BJ1A0526	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	17	0
09BJ1A0526	R41052	UML & DESIGN PATTERNS	12	5	0
09BJ1A0526	R41053	DATA WARE HOUSING AND DATA MINING	15	0	0
09BJ1A0526	R41054	MOBILE COMPUTING	22	0	0
09BJ1A0526	R41057	OPEN SOURCE SOFTWARE	11	31	4
09BJ1A0526	R4105B	SOFTWARE PROJECT MANAGEMENT	15	26	4
09BJ1A0526	R4105E	UML & DESIGN PATTERNS LAB	23	47	2
09BJ1A0526	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	22	40	2
09BJ1A0531	R4105E	UML & DESIGN PATTERNS LAB	0	-1	0
09BJ1A0531	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	0	-1	0
09BJ1A0534	R41052	UML & DESIGN PATTERNS	14	33	4
09BJ1A0534	R41053	DATA WARE HOUSING AND DATA MINING	13	11	0
09BJ1A0534	R4105B	SOFTWARE PROJECT MANAGEMENT	13	32	4
09BJ1A0544	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	15	32	4
09BJ1A0544	R4105B	SOFTWARE PROJECT MANAGEMENT	13	1	0
09BJ5A0201	R41021	COMPUTER ORGANIZATION	16	33	4
09BJ5A0201	R41022	HIGH VOLTAGE ENGINEERING	19	0	0
09BJ5A0201	R41023	SWITCH GEAR & PROTECTION	13	29	4
09BJ5A0201	R41024	POWER SYSTEM OPERATION & CONTROL	21	5	0
09BJ5A0201	R41026	INSTRUMENTATION	23	31	4
09BJ5A0201	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	23	7	0
09BJ5A0201	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	21	43	2
09BJ5A0201	R4102D	ELECTRICAL SIMULATION LAB	20	42	2
09BJ5A0404	R41043	DIGITAL IMAGE PROCESSING	14	-1	0
09BJ5A0404	R41046	ANALOG IC DESIGN	22	-1	0
09JR1A0427	R41026	INSTRUMENTATION	12	3	0
09JR1A0427	R41041	OPTICAL COMMUNICATIONS	16	10	0
09JR1A0427	R41042	EMBEDDED SYSTEMS	17	42	4
09JR1A0427	R41043	DIGITAL IMAGE PROCESSING	15	36	4

Htno	Subcode	Subname	Internal	External	credits
09JR1A0427	R41044	RADAR SYSTEMS	20	36	4
09JR1A0427	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	26	4
09JR1A0427	R4104B	DIGITAL SIGNAL PROCESSING LAB	20	35	2
09JR1A0427	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	20	35	2
109T1A0406	R41026	INSTRUMENTATION	19	17	0
109T1A0406	R41041	OPTICAL COMMUNICATIONS	12	28	4
109T1A0406	R41042	EMBEDDED SYSTEMS	19	14	0
109T1A0406	R41043	DIGITAL IMAGE PROCESSING	18	4	0
109T1A0406	R41044	RADAR SYSTEMS	17	31	4
109T1A0406	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	18	10	0
109T1A0406	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	38	2
109T1A0406	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	38	2
10BJ1A0205	R41021	COMPUTER ORGANIZATION	15	5	0
10BJ1A0205	R41023	SWITCH GEAR & PROTECTION	21	20	0
10BJ1A0205	R41026	INSTRUMENTATION	15	0	0
10BJ1A0205	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	22	2	0
10BJ1A0208	R41021	COMPUTER ORGANIZATION	16	32	4
10BJ1A0209	R41023	SWITCH GEAR & PROTECTION	16	14	0
10BJ1A0218	R41021	COMPUTER ORGANIZATION	16	0	0
10BJ1A0218	R41022	HIGH VOLTAGE ENGINEERING	3	-1	0
10BJ1A0218	R41023	SWITCH GEAR & PROTECTION	19	-1	0
10BJ1A0218	R41026	INSTRUMENTATION	19	-1	0
10BJ1A0218	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	14	-1	0
10BJ1A0225	R41021	COMPUTER ORGANIZATION	18	0	0
10BJ1A0225	R41023	SWITCH GEAR & PROTECTION	18	28	4
10BJ1A0225	R41026	INSTRUMENTATION	15	0	0
10BJ1A0227	R41021	COMPUTER ORGANIZATION	22	1	0
10BJ1A0227	R41026	INSTRUMENTATION	22	6	0
10BJ1A0233	R41021	COMPUTER ORGANIZATION	9	0	0
10BJ1A0233	R41023	SWITCH GEAR & PROTECTION	9	29	0
10BJ1A0233	R41026	INSTRUMENTATION	11	-1	0
10BJ1A0233	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	6	-1	0
10BJ1A0235	R41021	COMPUTER ORGANIZATION	14	0	0
10BJ1A0237	R41021	COMPUTER ORGANIZATION	20	2	0
10BJ1A0237	R41023	SWITCH GEAR & PROTECTION	19	14	0
10BJ1A0237	R41026	INSTRUMENTATION	18	7	0
10BJ1A0239	R41021	COMPUTER ORGANIZATION	0	6	0
10BJ1A0239	R41022	HIGH VOLTAGE ENGINEERING	14	10	0
10BJ1A0239	R41023	SWITCH GEAR & PROTECTION	13	0	0
10BJ1A0239	R41024	POWER SYSTEM OPERATION & CONTROL	3	0	0
10BJ1A0239	R41026	INSTRUMENTATION	17	0	0
10BJ1A0239	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	16	0	0
10BJ1A0239	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	20	43	2
10BJ1A0239	R4102D	ELECTRICAL SIMULATION LAB	20	40	2
10BJ1A0242	R41021	COMPUTER ORGANIZATION	4	2	0
10BJ1A0242	R41023	SWITCH GEAR & PROTECTION	4	-1	0
10BJ1A0242	R41024	POWER SYSTEM OPERATION & CONTROL	1	-1	0
10BJ1A0242	R41026	INSTRUMENTATION	3	-1	0
10BJ1A0242	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	4	-1	0
10BJ1A0248	R41021	COMPUTER ORGANIZATION	19	0	0
10BJ1A0248	R41022	HIGH VOLTAGE ENGINEERING	6	0	0

Htno	Subcode	Subname	Internal	External	credits
10BJ1A0248	R41023	SWITCH GEAR & PROTECTION	13	28	4
10BJ1A0248	R41024	POWER SYSTEM OPERATION & CONTROL	12	11	0
10BJ1A0248	R41026	INSTRUMENTATION	11	0	0
10BJ1A0248	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	12	1	0
10BJ1A0308	R41031	REFRIGERATION & AIR CONDITIONING	18	26	4
10BJ1A0309	R41031	REFRIGERATION & AIR CONDITIONING	16	12	0
10BJ1A0311	R41031	REFRIGERATION & AIR CONDITIONING	11	2	0
10BJ1A0311	R41034	UNCONVENTIONAL MACHINING PROCESSES	11	0	0
10BJ1A0311	R41037	AUTOMOBILE ENGINEERING	15	2	0
10BJ1A0313	R41031	REFRIGERATION & AIR CONDITIONING	15	1	0
10BJ1A0313	R41032	CAD/CAM	15	32	4
10BJ1A0313	R41035	MEMS	15	33	4
10BJ1A0317	R41031	REFRIGERATION & AIR CONDITIONING	18	29	4
10BJ1A0321	R41031	REFRIGERATION & AIR CONDITIONING	18	34	4
10BJ1A0329	R41031	REFRIGERATION & AIR CONDITIONING	18	0	0
10BJ1A0335	R41031	REFRIGERATION & AIR CONDITIONING	17	0	0
10BJ1A0342	R41031	REFRIGERATION & AIR CONDITIONING	16	4	0
10BJ1A0342	R41034	UNCONVENTIONAL MACHINING PROCESSES	11	41	4
10BJ1A0420	R41043	DIGITAL IMAGE PROCESSING	17	4	0
10BJ1A0420	R41044	RADAR SYSTEMS	19	1	0
10BJ1A0421	R41043	DIGITAL IMAGE PROCESSING	15	0	0
10BJ1A0423	R41043	DIGITAL IMAGE PROCESSING	17	14	0
10BJ1A0427	R41043	DIGITAL IMAGE PROCESSING	15	12	0
10BJ1A0430	R41041	OPTICAL COMMUNICATIONS	18	-1	0
10BJ1A0430	R41042	EMBEDDED SYSTEMS	15	-1	0
10BJ1A0430	R41043	DIGITAL IMAGE PROCESSING	19	0	0
10BJ1A0435	R41041	OPTICAL COMMUNICATIONS	17	8	0
10BJ1A0435	R41043	DIGITAL IMAGE PROCESSING	7	-1	0
10BJ1A0435	R41044	RADAR SYSTEMS	4	-1	0
10BJ1A0437	R41043	DIGITAL IMAGE PROCESSING	18	34	4
10BJ1A0437	R41044	RADAR SYSTEMS	7	33	4
10BJ1A0439	R41041	OPTICAL COMMUNICATIONS	0	-2	0
10BJ1A0439	R4104B	DIGITAL SIGNAL PROCESSING LAB	0	-2	0
10BJ1A0439	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	0	-2	0
10BJ1A0441	R41042	EMBEDDED SYSTEMS	15	16	0
10BJ1A0441	R41043	DIGITAL IMAGE PROCESSING	16	12	0
10BJ1A0443	R41043	DIGITAL IMAGE PROCESSING	15	9	0
10BJ1A0451	R41042	EMBEDDED SYSTEMS	15	7	0
10BJ1A0451	R41043	DIGITAL IMAGE PROCESSING	17	0	0
10BJ1A0451	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	18	26	4
10BJ1A0452	R41041	OPTICAL COMMUNICATIONS	23	29	4
10BJ1A0462	R41026	INSTRUMENTATION	22	50	4
10BJ1A0462	R41041	OPTICAL COMMUNICATIONS	24	36	4
10BJ1A0462	R41042	EMBEDDED SYSTEMS	20	41	4
10BJ1A0462	R41043	DIGITAL IMAGE PROCESSING	18	36	4
10BJ1A0462	R41044	RADAR SYSTEMS	23	42	4
10BJ1A0462	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	25	46	4
10BJ1A0462	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	47	2
10BJ1A0462	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	46	2
10BJ1A0524	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	15	0
10BJ1A0524	R41052	UML & DESIGN PATTERNS	13	5	0

Htno	Subcode	Subname	Internal	External	credits
10BJ1A0535	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	13	3	0
10BJ1A0535	R41052	UML & DESIGN PATTERNS	15	10	0
10BJ1A0535	R41054	MOBILE COMPUTING	13	29	4
10BJ1A0535	R41057	OPEN SOURCE SOFTWARE	16	14	0
10BJ1A0535	R4105B	SOFTWARE PROJECT MANAGEMENT	13	14	0
10BJ1A0536	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	14	5	0
10BJ1A0536	R41053	DATA WARE HOUSING AND DATA MINING	9	16	0
10BJ1A0540	R41052	UML & DESIGN PATTERNS	14	15	0
10BJ1A0540	R41053	DATA WARE HOUSING AND DATA MINING	16	6	0
10BJ1A0541	R41053	DATA WARE HOUSING AND DATA MINING	13	11	0
10BJ1A0541	R4105B	SOFTWARE PROJECT MANAGEMENT	13	18	0
10BJ1A0564	R41053	DATA WARE HOUSING AND DATA MINING	16	18	0
10BJ1A0570	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	6	0
10BJ1A0570	R41052	UML & DESIGN PATTERNS	15	6	0
10BJ1A0570	R41053	DATA WARE HOUSING AND DATA MINING	14	6	0
10BJ1A0570	R41054	MOBILE COMPUTING	19	7	0
10BJ1A0570	R41057	OPEN SOURCE SOFTWARE	14	5	0
10BJ1A0570	R4105B	SOFTWARE PROJECT MANAGEMENT	15	9	0
10BJ1A0574	R41053	DATA WARE HOUSING AND DATA MINING	17	4	0
10BJ1A0574	R41054	MOBILE COMPUTING	19	9	0
10BJ1A0577	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	10	0
10BJ1A0577	R41052	UML & DESIGN PATTERNS	13	-1	0
10BJ1A0577	R41054	MOBILE COMPUTING	19	13	0
10BJ1A0577	R4105B	SOFTWARE PROJECT MANAGEMENT	15	4	0
10BJ1A0589	R41052	UML & DESIGN PATTERNS	15	36	4
11A91A0293	R41021	COMPUTER ORGANIZATION	9	6	0
11A91A0293	R41022	HIGH VOLTAGE ENGINEERING	9	28	0
11A91A0293	R41023	SWITCH GEAR & PROTECTION	8	15	0
11A91A0293	R41024	POWER SYSTEM OPERATION & CONTROL	9	9	0
11A91A0293	R41026	INSTRUMENTATION	10	13	0
11A91A0293	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	10	13	0
11A91A0293	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	21	43	2
11A91A0293	R4102D	ELECTRICAL SIMULATION LAB	20	40	2
11BJ1A0301	R41031	REFRIGERATION & AIR CONDITIONING	16	33	4
11BJ1A0301	R41032	CAD/CAM	17	46	4
11BJ1A0301	R41033	ALTERNATIVE SOURCES OF ENERGY	17	44	4
11BJ1A0301	R41034	UNCONVENTIONAL MACHINING PROCESSES	16	41	4
11BJ1A0301	R41035	MEMS	17	48	4
11BJ1A0301	R41037	AUTOMOBILE ENGINEERING	15	42	4
11BJ1A0301	R4103B	SIMULATION LAB	20	46	2
11BJ1A0301	R4103C	ADVANCED COMMUNICATION SKILLS LAB	23	44	2
11BJ1A0302	R41031	REFRIGERATION & AIR CONDITIONING	16	47	4
11BJ1A0302	R41032	CAD/CAM	14	26	4
11BJ1A0302	R41033	ALTERNATIVE SOURCES OF ENERGY	16	38	4
11BJ1A0302	R41034	UNCONVENTIONAL MACHINING PROCESSES	15	41	4
11BJ1A0302	R41035	MEMS	17	31	4
11BJ1A0302	R41037	AUTOMOBILE ENGINEERING	14	41	4
11BJ1A0302	R4103B	SIMULATION LAB	20	46	2
11BJ1A0302	R4103C	ADVANCED COMMUNICATION SKILLS LAB	23	48	2
11BJ1A0303	R41031	REFRIGERATION & AIR CONDITIONING	14	13	0
11BJ1A0303	R41032	CAD/CAM	20	48	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0303	R41033	ALTERNATIVE SOURCES OF ENERGY	19	1	0
11BJ1A0303	R41034	UNCONVENTIONAL MACHINING PROCESSES	21	32	4
11BJ1A0303	R41035	MEMS	19	38	4
11BJ1A0303	R41037	AUTOMOBILE ENGINEERING	17	31	4
11BJ1A0303	R4103B	SIMULATION LAB	21	49	2
11BJ1A0303	R4103C	ADVANCED COMMUNICATION SKILLS LAB	22	42	2
11BJ1A0304	R41031	REFRIGERATION & AIR CONDITIONING	20	27	4
11BJ1A0304	R41032	CAD/CAM	21	40	4
11BJ1A0304	R41033	ALTERNATIVE SOURCES OF ENERGY	21	60	4
11BJ1A0304	R41034	UNCONVENTIONAL MACHINING PROCESSES	13	46	4
11BJ1A0304	R41035	MEMS	22	44	4
11BJ1A0304	R41037	AUTOMOBILE ENGINEERING	21	42	4
11BJ1A0304	R4103B	SIMULATION LAB	24	50	2
11BJ1A0304	R4103C	ADVANCED COMMUNICATION SKILLS LAB	23	43	2
11BJ1A0305	R41031	REFRIGERATION & AIR CONDITIONING	17	3	0
11BJ1A0305	R41032	CAD/CAM	17	1	0
11BJ1A0305	R41033	ALTERNATIVE SOURCES OF ENERGY	14	10	0
11BJ1A0305	R41034	UNCONVENTIONAL MACHINING PROCESSES	15	13	0
11BJ1A0305	R41035	MEMS	19	28	4
11BJ1A0305	R41037	AUTOMOBILE ENGINEERING	14	5	0
11BJ1A0305	R4103B	SIMULATION LAB	23	50	2
11BJ1A0305	R4103C	ADVANCED COMMUNICATION SKILLS LAB	21	45	2
11BJ1A0307	R41031	REFRIGERATION & AIR CONDITIONING	17	46	4
11BJ1A0307	R41032	CAD/CAM	19	40	4
11BJ1A0307	R41033	ALTERNATIVE SOURCES OF ENERGY	22	33	4
11BJ1A0307	R41034	UNCONVENTIONAL MACHINING PROCESSES	19	43	4
11BJ1A0307	R41035	MEMS	21	34	4
11BJ1A0307	R41037	AUTOMOBILE ENGINEERING	21	39	4
11BJ1A0307	R4103B	SIMULATION LAB	23	47	2
11BJ1A0307	R4103C	ADVANCED COMMUNICATION SKILLS LAB	20	44	2
11BJ1A0308	R41031	REFRIGERATION & AIR CONDITIONING	15	5	0
11BJ1A0308	R41032	CAD/CAM	17	26	4
11BJ1A0308	R41033	ALTERNATIVE SOURCES OF ENERGY	15	13	0
11BJ1A0308	R41034	UNCONVENTIONAL MACHINING PROCESSES	14	26	4
11BJ1A0308	R41035	MEMS	18	28	4
11BJ1A0308	R41037	AUTOMOBILE ENGINEERING	11	30	4
11BJ1A0308	R4103B	SIMULATION LAB	20	49	2
11BJ1A0308	R4103C	ADVANCED COMMUNICATION SKILLS LAB	19	35	2
11BJ1A0309	R41031	REFRIGERATION & AIR CONDITIONING	17	33	4
11BJ1A0309	R41032	CAD/CAM	16	33	4
11BJ1A0309	R41033	ALTERNATIVE SOURCES OF ENERGY	18	12	0
11BJ1A0309	R41034	UNCONVENTIONAL MACHINING PROCESSES	16	27	4
11BJ1A0309	R41035	MEMS	11	33	4
11BJ1A0309	R41037	AUTOMOBILE ENGINEERING	12	11	0
11BJ1A0309	R4103B	SIMULATION LAB	20	49	2
11BJ1A0309	R4103C	ADVANCED COMMUNICATION SKILLS LAB	19	41	2
11BJ1A0310	R41031	REFRIGERATION & AIR CONDITIONING	17	14	0
11BJ1A0310	R41032	CAD/CAM	19	33	4
11BJ1A0310	R41033	ALTERNATIVE SOURCES OF ENERGY	18	41	4
11BJ1A0310	R41034	UNCONVENTIONAL MACHINING PROCESSES	18	38	4
11BJ1A0310	R41035	MEMS	19	40	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0310	R41037	AUTOMOBILE ENGINEERING	20	29	4
11BJ1A0310	R4103B	SIMULATION LAB	24	48	2
11BJ1A0310	R4103C	ADVANCED COMMUNICATION SKILLS LAB	22	45	2
11BJ1A0311	R41031	REFRIGERATION & AIR CONDITIONING	23	48	4
11BJ1A0311	R41032	CAD/CAM	25	46	4
11BJ1A0311	R41033	ALTERNATIVE SOURCES OF ENERGY	25	39	4
11BJ1A0311	R41034	UNCONVENTIONAL MACHINING PROCESSES	23	53	4
11BJ1A0311	R41035	MEMS	24	36	4
11BJ1A0311	R41037	AUTOMOBILE ENGINEERING	25	26	4
11BJ1A0311	R4103B	SIMULATION LAB	24	50	2
11BJ1A0311	R4103C	ADVANCED COMMUNICATION SKILLS LAB	24	48	2
11BJ1A0312	R41031	REFRIGERATION & AIR CONDITIONING	15	6	0
11BJ1A0312	R41032	CAD/CAM	17	26	4
11BJ1A0312	R41033	ALTERNATIVE SOURCES OF ENERGY	17	17	0
11BJ1A0312	R41034	UNCONVENTIONAL MACHINING PROCESSES	16	3	0
11BJ1A0312	R41035	MEMS	18	28	4
11BJ1A0312	R41037	AUTOMOBILE ENGINEERING	20	16	0
11BJ1A0312	R4103B	SIMULATION LAB	22	46	2
11BJ1A0312	R4103C	ADVANCED COMMUNICATION SKILLS LAB	21	43	2
11BJ1A0313	R41031	REFRIGERATION & AIR CONDITIONING	12	-1	0
11BJ1A0313	R41032	CAD/CAM	13	0	0
11BJ1A0313	R41033	ALTERNATIVE SOURCES OF ENERGY	15	0	0
11BJ1A0313	R41034	UNCONVENTIONAL MACHINING PROCESSES	14	1	0
11BJ1A0313	R41035	MEMS	20	33	4
11BJ1A0313	R41037	AUTOMOBILE ENGINEERING	12	-1	0
11BJ1A0313	R4103B	SIMULATION LAB	20	47	2
11BJ1A0313	R4103C	ADVANCED COMMUNICATION SKILLS LAB	17	40	2
11BJ1A0314	R41031	REFRIGERATION & AIR CONDITIONING	18	16	0
11BJ1A0314	R41032	CAD/CAM	17	33	4
11BJ1A0314	R41033	ALTERNATIVE SOURCES OF ENERGY	25	29	4
11BJ1A0314	R41034	UNCONVENTIONAL MACHINING PROCESSES	23	32	4
11BJ1A0314	R41035	MEMS	22	35	4
11BJ1A0314	R41037	AUTOMOBILE ENGINEERING	22	36	4
11BJ1A0314	R4103B	SIMULATION LAB	25	50	2
11BJ1A0314	R4103C	ADVANCED COMMUNICATION SKILLS LAB	24	49	2
11BJ1A0315	R41031	REFRIGERATION & AIR CONDITIONING	17	45	4
11BJ1A0315	R41032	CAD/CAM	17	64	4
11BJ1A0315	R41033	ALTERNATIVE SOURCES OF ENERGY	16	53	4
11BJ1A0315	R41034	UNCONVENTIONAL MACHINING PROCESSES	15	49	4
11BJ1A0315	R41035	MEMS	12	39	4
11BJ1A0315	R41037	AUTOMOBILE ENGINEERING	19	48	4
11BJ1A0315	R4103B	SIMULATION LAB	20	48	2
11BJ1A0315	R4103C	ADVANCED COMMUNICATION SKILLS LAB	21	44	2
11BJ1A0316	R41031	REFRIGERATION & AIR CONDITIONING	16	3	0
11BJ1A0316	R41032	CAD/CAM	17	26	4
11BJ1A0316	R41033	ALTERNATIVE SOURCES OF ENERGY	18	9	0
11BJ1A0316	R41034	UNCONVENTIONAL MACHINING PROCESSES	14	26	4
11BJ1A0316	R41035	MEMS	13	28	4
11BJ1A0316	R41037	AUTOMOBILE ENGINEERING	11	29	4
11BJ1A0316	R4103B	SIMULATION LAB	20	47	2
11BJ1A0316	R4103C	ADVANCED COMMUNICATION SKILLS LAB	21	40	2

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0317	R41031	REFRIGERATION & AIR CONDITIONING	18	46	4
11BJ1A0317	R41032	CAD/CAM	21	41	4
11BJ1A0317	R41033	ALTERNATIVE SOURCES OF ENERGY	14	54	4
11BJ1A0317	R41034	UNCONVENTIONAL MACHINING PROCESSES	17	34	4
11BJ1A0317	R41035	MEMS	21	36	4
11BJ1A0317	R41037	AUTOMOBILE ENGINEERING	21	32	4
11BJ1A0317	R4103B	SIMULATION LAB	23	48	2
11BJ1A0317	R4103C	ADVANCED COMMUNICATION SKILLS LAB	20	42	2
11BJ1A0318	R41031	REFRIGERATION & AIR CONDITIONING	16	7	0
11BJ1A0318	R41032	CAD/CAM	17	15	0
11BJ1A0318	R41033	ALTERNATIVE SOURCES OF ENERGY	19	26	4
11BJ1A0318	R41034	UNCONVENTIONAL MACHINING PROCESSES	19	32	4
11BJ1A0318	R41035	MEMS	18	35	4
11BJ1A0318	R41037	AUTOMOBILE ENGINEERING	19	30	4
11BJ1A0318	R4103B	SIMULATION LAB	21	49	2
11BJ1A0318	R4103C	ADVANCED COMMUNICATION SKILLS LAB	20	40	2
11BJ1A0319	R41031	REFRIGERATION & AIR CONDITIONING	15	12	0
11BJ1A0319	R41032	CAD/CAM	15	9	0
11BJ1A0319	R41033	ALTERNATIVE SOURCES OF ENERGY	20	26	4
11BJ1A0319	R41034	UNCONVENTIONAL MACHINING PROCESSES	21	34	4
11BJ1A0319	R41035	MEMS	18	26	4
11BJ1A0319	R41037	AUTOMOBILE ENGINEERING	17	32	4
11BJ1A0319	R4103B	SIMULATION LAB	24	47	2
11BJ1A0319	R4103C	ADVANCED COMMUNICATION SKILLS LAB	22	27	2
11BJ1A0320	R41031	REFRIGERATION & AIR CONDITIONING	17	6	0
11BJ1A0320	R41032	CAD/CAM	14	26	4
11BJ1A0320	R41033	ALTERNATIVE SOURCES OF ENERGY	15	12	0
11BJ1A0320	R41034	UNCONVENTIONAL MACHINING PROCESSES	14	18	0
11BJ1A0320	R41035	MEMS	16	28	4
11BJ1A0320	R41037	AUTOMOBILE ENGINEERING	12	31	4
11BJ1A0320	R4103B	SIMULATION LAB	20	46	2
11BJ1A0320	R4103C	ADVANCED COMMUNICATION SKILLS LAB	17	27	2
11BJ1A0321	R41031	REFRIGERATION & AIR CONDITIONING	22	44	4
11BJ1A0321	R41032	CAD/CAM	23	39	4
11BJ1A0321	R41033	ALTERNATIVE SOURCES OF ENERGY	21	42	4
11BJ1A0321	R41034	UNCONVENTIONAL MACHINING PROCESSES	22	40	4
11BJ1A0321	R41035	MEMS	23	47	4
11BJ1A0321	R41037	AUTOMOBILE ENGINEERING	21	39	4
11BJ1A0321	R4103B	SIMULATION LAB	21	47	2
11BJ1A0321	R4103C	ADVANCED COMMUNICATION SKILLS LAB	20	43	2
11BJ1A0322	R41031	REFRIGERATION & AIR CONDITIONING	17	11	0
11BJ1A0322	R41032	CAD/CAM	19	14	0
11BJ1A0322	R41033	ALTERNATIVE SOURCES OF ENERGY	19	27	4
11BJ1A0322	R41034	UNCONVENTIONAL MACHINING PROCESSES	21	39	4
11BJ1A0322	R41035	MEMS	18	38	4
11BJ1A0322	R41037	AUTOMOBILE ENGINEERING	18	11	0
11BJ1A0322	R4103B	SIMULATION LAB	22	49	2
11BJ1A0322	R4103C	ADVANCED COMMUNICATION SKILLS LAB	21	45	2
11BJ1A0324	R41031	REFRIGERATION & AIR CONDITIONING	15	14	0
11BJ1A0324	R41032	CAD/CAM	14	38	4
11BJ1A0324	R41033	ALTERNATIVE SOURCES OF ENERGY	12	13	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0324	R41034	UNCONVENTIONAL MACHINING PROCESSES	13	10	0
11BJ1A0324	R41035	MEMS	17	27	4
11BJ1A0324	R41037	AUTOMOBILE ENGINEERING	9	31	4
11BJ1A0324	R4103B	SIMULATION LAB	20	47	2
11BJ1A0324	R4103C	ADVANCED COMMUNICATION SKILLS LAB	15	43	2
11BJ1A0326	R41031	REFRIGERATION & AIR CONDITIONING	16	5	0
11BJ1A0326	R41032	CAD/CAM	17	37	4
11BJ1A0326	R41033	ALTERNATIVE SOURCES OF ENERGY	15	26	4
11BJ1A0326	R41034	UNCONVENTIONAL MACHINING PROCESSES	13	28	4
11BJ1A0326	R41035	MEMS	17	35	4
11BJ1A0326	R41037	AUTOMOBILE ENGINEERING	18	37	4
11BJ1A0326	R4103B	SIMULATION LAB	20	46	2
11BJ1A0326	R4103C	ADVANCED COMMUNICATION SKILLS LAB	21	46	2
11BJ1A0327	R41031	REFRIGERATION & AIR CONDITIONING	15	26	4
11BJ1A0327	R41032	CAD/CAM	17	27	4
11BJ1A0327	R41033	ALTERNATIVE SOURCES OF ENERGY	14	46	4
11BJ1A0327	R41034	UNCONVENTIONAL MACHINING PROCESSES	8	13	0
11BJ1A0327	R41035	MEMS	16	34	4
11BJ1A0327	R41037	AUTOMOBILE ENGINEERING	15	26	4
11BJ1A0327	R4103B	SIMULATION LAB	20	45	2
11BJ1A0327	R4103C	ADVANCED COMMUNICATION SKILLS LAB	22	35	2
11BJ1A0328	R41031	REFRIGERATION & AIR CONDITIONING	17	26	4
11BJ1A0328	R41032	CAD/CAM	14	26	4
11BJ1A0328	R41033	ALTERNATIVE SOURCES OF ENERGY	16	38	4
11BJ1A0328	R41034	UNCONVENTIONAL MACHINING PROCESSES	15	28	4
11BJ1A0328	R41035	MEMS	16	37	4
11BJ1A0328	R41037	AUTOMOBILE ENGINEERING	15	9	0
11BJ1A0328	R4103B	SIMULATION LAB	20	49	2
11BJ1A0328	R4103C	ADVANCED COMMUNICATION SKILLS LAB	21	34	2
11BJ1A0329	R41031	REFRIGERATION & AIR CONDITIONING	16	45	4
11BJ1A0329	R41032	CAD/CAM	16	39	4
11BJ1A0329	R41033	ALTERNATIVE SOURCES OF ENERGY	15	30	4
11BJ1A0329	R41034	UNCONVENTIONAL MACHINING PROCESSES	9	32	4
11BJ1A0329	R41035	MEMS	16	26	4
11BJ1A0329	R41037	AUTOMOBILE ENGINEERING	14	43	4
11BJ1A0329	R4103B	SIMULATION LAB	20	47	2
11BJ1A0329	R4103C	ADVANCED COMMUNICATION SKILLS LAB	20	34	2
11BJ1A0330	R41031	REFRIGERATION & AIR CONDITIONING	19	4	0
11BJ1A0330	R41032	CAD/CAM	19	32	4
11BJ1A0330	R41033	ALTERNATIVE SOURCES OF ENERGY	16	41	4
11BJ1A0330	R41034	UNCONVENTIONAL MACHINING PROCESSES	21	18	0
11BJ1A0330	R41035	MEMS	24	32	4
11BJ1A0330	R41037	AUTOMOBILE ENGINEERING	23	31	4
11BJ1A0330	R4103B	SIMULATION LAB	23	48	2
11BJ1A0330	R4103C	ADVANCED COMMUNICATION SKILLS LAB	21	38	2
11BJ1A0401	R41026	INSTRUMENTATION	24	26	4
11BJ1A0401	R41041	OPTICAL COMMUNICATIONS	25	32	4
11BJ1A0401	R41042	EMBEDDED SYSTEMS	24	59	4
11BJ1A0401	R41043	DIGITAL IMAGE PROCESSING	25	35	4
11BJ1A0401	R41044	RADAR SYSTEMS	21	42	4
11BJ1A0401	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	25	45	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0401	R4104B	DIGITAL SIGNAL PROCESSING LAB	24	49	2
11BJ1A0401	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	49	2
11BJ1A0402	R41026	INSTRUMENTATION	24	57	4
11BJ1A0402	R41041	OPTICAL COMMUNICATIONS	25	58	4
11BJ1A0402	R41042	EMBEDDED SYSTEMS	24	60	4
11BJ1A0402	R41043	DIGITAL IMAGE PROCESSING	25	48	4
11BJ1A0402	R41044	RADAR SYSTEMS	24	75	4
11BJ1A0402	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	25	43	4
11BJ1A0402	R4104B	DIGITAL SIGNAL PROCESSING LAB	25	49	2
11BJ1A0402	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	25	49	2
11BJ1A0403	R41026	INSTRUMENTATION	23	26	4
11BJ1A0403	R41041	OPTICAL COMMUNICATIONS	22	28	4
11BJ1A0403	R41042	EMBEDDED SYSTEMS	23	26	4
11BJ1A0403	R41043	DIGITAL IMAGE PROCESSING	23	17	0
11BJ1A0403	R41044	RADAR SYSTEMS	24	26	4
11BJ1A0403	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	21	30	4
11BJ1A0403	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	47	2
11BJ1A0403	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	48	2
11BJ1A0404	R41026	INSTRUMENTATION	25	45	4
11BJ1A0404	R41041	OPTICAL COMMUNICATIONS	24	46	4
11BJ1A0404	R41042	EMBEDDED SYSTEMS	23	37	4
11BJ1A0404	R41043	DIGITAL IMAGE PROCESSING	23	33	4
11BJ1A0404	R41044	RADAR SYSTEMS	23	37	4
11BJ1A0404	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	24	50	4
11BJ1A0404	R4104B	DIGITAL SIGNAL PROCESSING LAB	25	49	2
11BJ1A0404	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	48	2
11BJ1A0405	R41026	INSTRUMENTATION	23	35	4
11BJ1A0405	R41041	OPTICAL COMMUNICATIONS	24	33	4
11BJ1A0405	R41042	EMBEDDED SYSTEMS	24	44	4
11BJ1A0405	R41043	DIGITAL IMAGE PROCESSING	24	40	4
11BJ1A0405	R41044	RADAR SYSTEMS	23	45	4
11BJ1A0405	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	23	34	4
11BJ1A0405	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	48	2
11BJ1A0405	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	49	2
11BJ1A0406	R41026	INSTRUMENTATION	24	35	4
11BJ1A0406	R41041	OPTICAL COMMUNICATIONS	21	51	4
11BJ1A0406	R41042	EMBEDDED SYSTEMS	22	38	4
11BJ1A0406	R41043	DIGITAL IMAGE PROCESSING	24	41	4
11BJ1A0406	R41044	RADAR SYSTEMS	22	48	4
11BJ1A0406	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	23	32	4
11BJ1A0406	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	45	2
11BJ1A0406	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	44	2
11BJ1A0407	R41026	INSTRUMENTATION	25	44	4
11BJ1A0407	R41041	OPTICAL COMMUNICATIONS	24	39	4
11BJ1A0407	R41042	EMBEDDED SYSTEMS	25	38	4
11BJ1A0407	R41043	DIGITAL IMAGE PROCESSING	25	46	4
11BJ1A0407	R41044	RADAR SYSTEMS	25	43	4
11BJ1A0407	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	25	40	4
11BJ1A0407	R4104B	DIGITAL SIGNAL PROCESSING LAB	25	50	2
11BJ1A0407	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	25	50	2
11BJ1A0408	R41026	INSTRUMENTATION	23	27	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0408	R41041	OPTICAL COMMUNICATIONS	24	34	4
11BJ1A0408	R41042	EMBEDDED SYSTEMS	23	32	4
11BJ1A0408	R41043	DIGITAL IMAGE PROCESSING	21	36	4
11BJ1A0408	R41044	RADAR SYSTEMS	24	29	4
11BJ1A0408	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	24	41	4
11BJ1A0408	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	47	2
11BJ1A0408	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	48	2
11BJ1A0409	R41026	INSTRUMENTATION	25	33	4
11BJ1A0409	R41041	OPTICAL COMMUNICATIONS	25	26	4
11BJ1A0409	R41042	EMBEDDED SYSTEMS	23	45	4
11BJ1A0409	R41043	DIGITAL IMAGE PROCESSING	24	14	0
11BJ1A0409	R41044	RADAR SYSTEMS	25	44	4
11BJ1A0409	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	22	32	4
11BJ1A0409	R4104B	DIGITAL SIGNAL PROCESSING LAB	24	49	2
11BJ1A0409	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	25	49	2
11BJ1A0410	R41026	INSTRUMENTATION	18	28	4
11BJ1A0410	R41041	OPTICAL COMMUNICATIONS	22	37	4
11BJ1A0410	R41042	EMBEDDED SYSTEMS	21	26	4
11BJ1A0410	R41043	DIGITAL IMAGE PROCESSING	18	36	4
11BJ1A0410	R41044	RADAR SYSTEMS	19	43	4
11BJ1A0410	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	15	19	0
11BJ1A0410	R4104B	DIGITAL SIGNAL PROCESSING LAB	20	46	2
11BJ1A0410	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	43	2
11BJ1A0411	R41026	INSTRUMENTATION	25	32	4
11BJ1A0411	R41041	OPTICAL COMMUNICATIONS	24	34	4
11BJ1A0411	R41042	EMBEDDED SYSTEMS	22	34	4
11BJ1A0411	R41043	DIGITAL IMAGE PROCESSING	25	43	4
11BJ1A0411	R41044	RADAR SYSTEMS	24	53	4
11BJ1A0411	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	25	40	4
11BJ1A0411	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	47	2
11BJ1A0411	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	46	2
11BJ1A0412	R41026	INSTRUMENTATION	25	34	4
11BJ1A0412	R41041	OPTICAL COMMUNICATIONS	23	44	4
11BJ1A0412	R41042	EMBEDDED SYSTEMS	23	33	4
11BJ1A0412	R41043	DIGITAL IMAGE PROCESSING	24	30	4
11BJ1A0412	R41044	RADAR SYSTEMS	23	34	4
11BJ1A0412	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	23	46	4
11BJ1A0412	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	49	2
11BJ1A0412	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	49	2
11BJ1A0413	R41026	INSTRUMENTATION	24	26	4
11BJ1A0413	R41041	OPTICAL COMMUNICATIONS	23	26	4
11BJ1A0413	R41042	EMBEDDED SYSTEMS	21	50	4
11BJ1A0413	R41043	DIGITAL IMAGE PROCESSING	24	50	4
11BJ1A0413	R41044	RADAR SYSTEMS	23	45	4
11BJ1A0413	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	22	32	4
11BJ1A0413	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	45	2
11BJ1A0413	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	46	2
11BJ1A0414	R41026	INSTRUMENTATION	21	37	4
11BJ1A0414	R41041	OPTICAL COMMUNICATIONS	21	44	4
11BJ1A0414	R41042	EMBEDDED SYSTEMS	19	52	4
11BJ1A0414	R41043	DIGITAL IMAGE PROCESSING	19	26	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0414	R41044	RADAR SYSTEMS	21	42	4
11BJ1A0414	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	21	30	4
11BJ1A0414	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	49	2
11BJ1A0414	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	49	2
11BJ1A0415	R41026	INSTRUMENTATION	22	41	4
11BJ1A0415	R41041	OPTICAL COMMUNICATIONS	22	36	4
11BJ1A0415	R41042	EMBEDDED SYSTEMS	21	32	4
11BJ1A0415	R41043	DIGITAL IMAGE PROCESSING	23	42	4
11BJ1A0415	R41044	RADAR SYSTEMS	23	56	4
11BJ1A0415	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	40	4
11BJ1A0415	R4104B	DIGITAL SIGNAL PROCESSING LAB	24	48	2
11BJ1A0415	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	45	2
11BJ1A0416	R41026	INSTRUMENTATION	23	48	4
11BJ1A0416	R41041	OPTICAL COMMUNICATIONS	19	45	4
11BJ1A0416	R41042	EMBEDDED SYSTEMS	22	31	4
11BJ1A0416	R41043	DIGITAL IMAGE PROCESSING	21	41	4
11BJ1A0416	R41044	RADAR SYSTEMS	22	34	4
11BJ1A0416	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	25	62	4
11BJ1A0416	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	45	2
11BJ1A0416	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	45	2
11BJ1A0417	R41026	INSTRUMENTATION	21	11	0
11BJ1A0417	R41041	OPTICAL COMMUNICATIONS	20	15	0
11BJ1A0417	R41042	EMBEDDED SYSTEMS	20	35	4
11BJ1A0417	R41043	DIGITAL IMAGE PROCESSING	23	26	4
11BJ1A0417	R41044	RADAR SYSTEMS	23	41	4
11BJ1A0417	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	21	32	4
11BJ1A0417	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	44	2
11BJ1A0417	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	43	2
11BJ1A0418	R41026	INSTRUMENTATION	25	53	4
11BJ1A0418	R41041	OPTICAL COMMUNICATIONS	23	55	4
11BJ1A0418	R41042	EMBEDDED SYSTEMS	24	52	4
11BJ1A0418	R41043	DIGITAL IMAGE PROCESSING	24	38	4
11BJ1A0418	R41044	RADAR SYSTEMS	24	50	4
11BJ1A0418	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	25	47	4
11BJ1A0418	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	47	2
11BJ1A0418	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	47	2
11BJ1A0419	R41026	INSTRUMENTATION	19	15	0
11BJ1A0419	R41041	OPTICAL COMMUNICATIONS	16	32	4
11BJ1A0419	R41042	EMBEDDED SYSTEMS	19	14	0
11BJ1A0419	R41043	DIGITAL IMAGE PROCESSING	17	9	0
11BJ1A0419	R41044	RADAR SYSTEMS	17	48	4
11BJ1A0419	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	18	26	4
11BJ1A0419	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	45	2
11BJ1A0419	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	44	2
11BJ1A0420	R41026	INSTRUMENTATION	24	38	4
11BJ1A0420	R41041	OPTICAL COMMUNICATIONS	20	58	4
11BJ1A0420	R41042	EMBEDDED SYSTEMS	21	32	4
11BJ1A0420	R41043	DIGITAL IMAGE PROCESSING	20	45	4
11BJ1A0420	R41044	RADAR SYSTEMS	22	33	4
11BJ1A0420	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	65	4
11BJ1A0420	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	48	2

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0420	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	48	2
11BJ1A0421	R41026	INSTRUMENTATION	24	46	4
11BJ1A0421	R41041	OPTICAL COMMUNICATIONS	24	38	4
11BJ1A0421	R41042	EMBEDDED SYSTEMS	23	52	4
11BJ1A0421	R41043	DIGITAL IMAGE PROCESSING	24	32	4
11BJ1A0421	R41044	RADAR SYSTEMS	24	52	4
11BJ1A0421	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	23	33	4
11BJ1A0421	R4104B	DIGITAL SIGNAL PROCESSING LAB	24	49	2
11BJ1A0421	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	25	50	2
11BJ1A0422	R41026	INSTRUMENTATION	21	42	4
11BJ1A0422	R41041	OPTICAL COMMUNICATIONS	24	52	4
11BJ1A0422	R41042	EMBEDDED SYSTEMS	23	46	4
11BJ1A0422	R41043	DIGITAL IMAGE PROCESSING	24	57	4
11BJ1A0422	R41044	RADAR SYSTEMS	23	55	4
11BJ1A0422	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	23	48	4
11BJ1A0422	R4104B	DIGITAL SIGNAL PROCESSING LAB	24	49	2
11BJ1A0422	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	25	50	2
11BJ1A0423	R41026	INSTRUMENTATION	6	16	0
11BJ1A0423	R41041	OPTICAL COMMUNICATIONS	13	6	0
11BJ1A0423	R41042	EMBEDDED SYSTEMS	12	0	0
11BJ1A0423	R41043	DIGITAL IMAGE PROCESSING	15	2	0
11BJ1A0423	R41044	RADAR SYSTEMS	18	33	4
11BJ1A0423	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	16	10	0
11BJ1A0423	R4104B	DIGITAL SIGNAL PROCESSING LAB	20	35	2
11BJ1A0423	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	20	35	2
11BJ1A0424	R41026	INSTRUMENTATION	25	34	4
11BJ1A0424	R41041	OPTICAL COMMUNICATIONS	22	44	4
11BJ1A0424	R41042	EMBEDDED SYSTEMS	22	28	4
11BJ1A0424	R41043	DIGITAL IMAGE PROCESSING	23	36	4
11BJ1A0424	R41044	RADAR SYSTEMS	24	41	4
11BJ1A0424	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	22	41	4
11BJ1A0424	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	45	2
11BJ1A0424	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	44	2
11BJ1A0425	R41026	INSTRUMENTATION	2	4	0
11BJ1A0425	R41041	OPTICAL COMMUNICATIONS	17	15	0
11BJ1A0425	R41042	EMBEDDED SYSTEMS	17	42	4
11BJ1A0425	R41043	DIGITAL IMAGE PROCESSING	17	12	0
11BJ1A0425	R41044	RADAR SYSTEMS	20	40	4
11BJ1A0425	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	19	14	0
11BJ1A0425	R4104B	DIGITAL SIGNAL PROCESSING LAB	21	35	2
11BJ1A0425	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	38	2
11BJ1A0426	R41026	INSTRUMENTATION	18	4	0
11BJ1A0426	R41041	OPTICAL COMMUNICATIONS	15	27	4
11BJ1A0426	R41042	EMBEDDED SYSTEMS	10	30	4
11BJ1A0426	R41043	DIGITAL IMAGE PROCESSING	12	5	0
11BJ1A0426	R41044	RADAR SYSTEMS	21	26	4
11BJ1A0426	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	16	20	0
11BJ1A0426	R4104B	DIGITAL SIGNAL PROCESSING LAB	21	35	2
11BJ1A0426	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	38	2
11BJ1A0427	R41026	INSTRUMENTATION	12	4	0
11BJ1A0427	R41041	OPTICAL COMMUNICATIONS	10	14	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0427	R41042	EMBEDDED SYSTEMS	6	7	0
11BJ1A0427	R41043	DIGITAL IMAGE PROCESSING	12	9	0
11BJ1A0427	R41044	RADAR SYSTEMS	19	41	4
11BJ1A0427	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	8	32	4
11BJ1A0427	R4104B	DIGITAL SIGNAL PROCESSING LAB	21	35	2
11BJ1A0427	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	38	2
11BJ1A0428	R41026	INSTRUMENTATION	19	32	4
11BJ1A0428	R41041	OPTICAL COMMUNICATIONS	20	45	4
11BJ1A0428	R41042	EMBEDDED SYSTEMS	19	26	4
11BJ1A0428	R41043	DIGITAL IMAGE PROCESSING	20	26	4
11BJ1A0428	R41044	RADAR SYSTEMS	22	30	4
11BJ1A0428	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	22	17	0
11BJ1A0428	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	43	2
11BJ1A0428	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	42	2
11BJ1A0429	R41026	INSTRUMENTATION	24	34	4
11BJ1A0429	R41041	OPTICAL COMMUNICATIONS	24	37	4
11BJ1A0429	R41042	EMBEDDED SYSTEMS	24	57	4
11BJ1A0429	R41043	DIGITAL IMAGE PROCESSING	24	18	0
11BJ1A0429	R41044	RADAR SYSTEMS	23	57	4
11BJ1A0429	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	24	26	4
11BJ1A0429	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	45	2
11BJ1A0429	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	46	2
11BJ1A0430	R41026	INSTRUMENTATION	22	27	4
11BJ1A0430	R41041	OPTICAL COMMUNICATIONS	22	36	4
11BJ1A0430	R41042	EMBEDDED SYSTEMS	20	26	4
11BJ1A0430	R41043	DIGITAL IMAGE PROCESSING	22	26	4
11BJ1A0430	R41044	RADAR SYSTEMS	23	46	4
11BJ1A0430	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	23	26	4
11BJ1A0430	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	45	2
11BJ1A0430	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	46	2
11BJ1A0431	R41026	INSTRUMENTATION	21	26	4
11BJ1A0431	R41041	OPTICAL COMMUNICATIONS	18	31	4
11BJ1A0431	R41042	EMBEDDED SYSTEMS	18	26	4
11BJ1A0431	R41043	DIGITAL IMAGE PROCESSING	20	33	4
11BJ1A0431	R41044	RADAR SYSTEMS	22	46	4
11BJ1A0431	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	19	0
11BJ1A0431	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	41	2
11BJ1A0431	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	42	2
11BJ1A0432	R41026	INSTRUMENTATION	19	1	0
11BJ1A0432	R41041	OPTICAL COMMUNICATIONS	21	11	0
11BJ1A0432	R41042	EMBEDDED SYSTEMS	12	4	0
11BJ1A0432	R41043	DIGITAL IMAGE PROCESSING	17	16	0
11BJ1A0432	R41044	RADAR SYSTEMS	20	34	4
11BJ1A0432	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	19	38	4
11BJ1A0432	R4104B	DIGITAL SIGNAL PROCESSING LAB	15	35	2
11BJ1A0432	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	20	38	2
11BJ1A0433	R41026	INSTRUMENTATION	19	33	4
11BJ1A0433	R41041	OPTICAL COMMUNICATIONS	21	26	4
11BJ1A0433	R41042	EMBEDDED SYSTEMS	20	48	4
11BJ1A0433	R41043	DIGITAL IMAGE PROCESSING	21	31	4
11BJ1A0433	R41044	RADAR SYSTEMS	22	50	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0433	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	26	4
11BJ1A0433	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	43	2
11BJ1A0433	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	42	2
11BJ1A0434	R41026	INSTRUMENTATION	22	42	4
11BJ1A0434	R41041	OPTICAL COMMUNICATIONS	21	57	4
11BJ1A0434	R41042	EMBEDDED SYSTEMS	24	50	4
11BJ1A0434	R41043	DIGITAL IMAGE PROCESSING	22	49	4
11BJ1A0434	R41044	RADAR SYSTEMS	22	59	4
11BJ1A0434	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	22	41	4
11BJ1A0434	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	45	2
11BJ1A0434	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	46	2
11BJ1A0435	R41026	INSTRUMENTATION	23	34	4
11BJ1A0435	R41041	OPTICAL COMMUNICATIONS	21	33	4
11BJ1A0435	R41042	EMBEDDED SYSTEMS	22	34	4
11BJ1A0435	R41043	DIGITAL IMAGE PROCESSING	23	31	4
11BJ1A0435	R41044	RADAR SYSTEMS	22	48	4
11BJ1A0435	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	30	4
11BJ1A0435	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	46	2
11BJ1A0435	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	44	2
11BJ1A0437	R41026	INSTRUMENTATION	24	15	0
11BJ1A0437	R41041	OPTICAL COMMUNICATIONS	20	26	4
11BJ1A0437	R41042	EMBEDDED SYSTEMS	20	36	4
11BJ1A0437	R41043	DIGITAL IMAGE PROCESSING	22	26	4
11BJ1A0437	R41044	RADAR SYSTEMS	23	39	4
11BJ1A0437	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	33	4
11BJ1A0437	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	43	2
11BJ1A0437	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	44	2
11BJ1A0438	R41026	INSTRUMENTATION	24	2	0
11BJ1A0438	R41041	OPTICAL COMMUNICATIONS	22	5	0
11BJ1A0438	R41042	EMBEDDED SYSTEMS	20	48	4
11BJ1A0438	R41043	DIGITAL IMAGE PROCESSING	22	26	4
11BJ1A0438	R41044	RADAR SYSTEMS	24	55	4
11BJ1A0438	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	22	13	0
11BJ1A0438	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	44	2
11BJ1A0438	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	46	2
11BJ1A0439	R41026	INSTRUMENTATION	17	34	4
11BJ1A0439	R41041	OPTICAL COMMUNICATIONS	18	29	4
11BJ1A0439	R41042	EMBEDDED SYSTEMS	20	11	0
11BJ1A0439	R41043	DIGITAL IMAGE PROCESSING	18	12	0
11BJ1A0439	R41044	RADAR SYSTEMS	18	31	4
11BJ1A0439	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	16	34	4
11BJ1A0439	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	44	2
11BJ1A0439	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	43	2
11BJ1A0441	R41026	INSTRUMENTATION	22	26	4
11BJ1A0441	R41041	OPTICAL COMMUNICATIONS	20	19	0
11BJ1A0441	R41042	EMBEDDED SYSTEMS	19	20	0
11BJ1A0441	R41043	DIGITAL IMAGE PROCESSING	19	26	4
11BJ1A0441	R41044	RADAR SYSTEMS	20	40	4
11BJ1A0441	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	21	27	4
11BJ1A0441	R4104B	DIGITAL SIGNAL PROCESSING LAB	21	43	2
11BJ1A0441	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	44	2

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0442	R41026	INSTRUMENTATION	20	28	4
11BJ1A0442	R41041	OPTICAL COMMUNICATIONS	21	48	4
11BJ1A0442	R41042	EMBEDDED SYSTEMS	18	35	4
11BJ1A0442	R41043	DIGITAL IMAGE PROCESSING	18	30	4
11BJ1A0442	R41044	RADAR SYSTEMS	21	27	4
11BJ1A0442	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	21	38	4
11BJ1A0442	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	46	2
11BJ1A0442	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	47	2
11BJ1A0443	R41026	INSTRUMENTATION	21	10	0
11BJ1A0443	R41041	OPTICAL COMMUNICATIONS	18	7	0
11BJ1A0443	R41042	EMBEDDED SYSTEMS	16	39	4
11BJ1A0443	R41043	DIGITAL IMAGE PROCESSING	19	2	0
11BJ1A0443	R41044	RADAR SYSTEMS	18	31	4
11BJ1A0443	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	15	9	0
11BJ1A0443	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	43	2
11BJ1A0443	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	41	2
11BJ1A0444	R41026	INSTRUMENTATION	22	50	4
11BJ1A0444	R41041	OPTICAL COMMUNICATIONS	22	48	4
11BJ1A0444	R41042	EMBEDDED SYSTEMS	21	53	4
11BJ1A0444	R41043	DIGITAL IMAGE PROCESSING	24	55	4
11BJ1A0444	R41044	RADAR SYSTEMS	21	51	4
11BJ1A0444	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	38	4
11BJ1A0444	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	43	2
11BJ1A0444	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	44	2
11BJ1A0445	R41026	INSTRUMENTATION	17	28	4
11BJ1A0445	R41041	OPTICAL COMMUNICATIONS	22	32	4
11BJ1A0445	R41042	EMBEDDED SYSTEMS	20	26	4
11BJ1A0445	R41043	DIGITAL IMAGE PROCESSING	23	29	4
11BJ1A0445	R41044	RADAR SYSTEMS	21	36	4
11BJ1A0445	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	17	30	4
11BJ1A0445	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	44	2
11BJ1A0445	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	43	2
11BJ1A0446	R41026	INSTRUMENTATION	20	32	4
11BJ1A0446	R41041	OPTICAL COMMUNICATIONS	22	26	4
11BJ1A0446	R41042	EMBEDDED SYSTEMS	21	29	4
11BJ1A0446	R41043	DIGITAL IMAGE PROCESSING	22	26	4
11BJ1A0446	R41044	RADAR SYSTEMS	22	27	4
11BJ1A0446	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	19	32	4
11BJ1A0446	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	47	2
11BJ1A0446	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	46	2
11BJ1A0447	R41026	INSTRUMENTATION	23	34	4
11BJ1A0447	R41041	OPTICAL COMMUNICATIONS	23	29	4
11BJ1A0447	R41042	EMBEDDED SYSTEMS	22	41	4
11BJ1A0447	R41043	DIGITAL IMAGE PROCESSING	22	39	4
11BJ1A0447	R41044	RADAR SYSTEMS	24	53	4
11BJ1A0447	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	21	32	4
11BJ1A0447	R4104B	DIGITAL SIGNAL PROCESSING LAB	24	48	2
11BJ1A0447	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	48	2
11BJ1A0449	R41026	INSTRUMENTATION	19	30	4
11BJ1A0449	R41041	OPTICAL COMMUNICATIONS	20	27	4
11BJ1A0449	R41042	EMBEDDED SYSTEMS	19	26	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0449	R41043	DIGITAL IMAGE PROCESSING	19	36	4
11BJ1A0449	R41044	RADAR SYSTEMS	22	49	4
11BJ1A0449	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	22	26	4
11BJ1A0449	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	46	2
11BJ1A0449	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	46	2
11BJ1A0450	R41026	INSTRUMENTATION	19	33	4
11BJ1A0450	R41041	OPTICAL COMMUNICATIONS	20	32	4
11BJ1A0450	R41042	EMBEDDED SYSTEMS	20	28	4
11BJ1A0450	R41043	DIGITAL IMAGE PROCESSING	23	11	0
11BJ1A0450	R41044	RADAR SYSTEMS	21	13	0
11BJ1A0450	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	21	29	4
11BJ1A0450	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	46	2
11BJ1A0450	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	46	2
11BJ1A0451	R41026	INSTRUMENTATION	14	1	0
11BJ1A0451	R41041	OPTICAL COMMUNICATIONS	19	8	0
11BJ1A0451	R41042	EMBEDDED SYSTEMS	4	8	0
11BJ1A0451	R41043	DIGITAL IMAGE PROCESSING	15	26	4
11BJ1A0451	R41044	RADAR SYSTEMS	17	5	0
11BJ1A0451	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	17	17	0
11BJ1A0451	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	35	2
11BJ1A0451	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	43	2
11BJ1A0452	R41026	INSTRUMENTATION	22	26	4
11BJ1A0452	R41041	OPTICAL COMMUNICATIONS	21	35	4
11BJ1A0452	R41042	EMBEDDED SYSTEMS	20	51	4
11BJ1A0452	R41043	DIGITAL IMAGE PROCESSING	21	35	4
11BJ1A0452	R41044	RADAR SYSTEMS	21	47	4
11BJ1A0452	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	34	4
11BJ1A0452	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	44	2
11BJ1A0452	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	46	2
11BJ1A0453	R41026	INSTRUMENTATION	21	28	4
11BJ1A0453	R41041	OPTICAL COMMUNICATIONS	18	28	4
11BJ1A0453	R41042	EMBEDDED SYSTEMS	20	27	4
11BJ1A0453	R41043	DIGITAL IMAGE PROCESSING	23	11	0
11BJ1A0453	R41044	RADAR SYSTEMS	22	33	4
11BJ1A0453	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	26	4
11BJ1A0453	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	45	2
11BJ1A0453	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	44	2
11BJ1A0454	R41026	INSTRUMENTATION	0	-1	0
11BJ1A0454	R41041	OPTICAL COMMUNICATIONS	0	-1	0
11BJ1A0454	R41042	EMBEDDED SYSTEMS	0	-1	0
11BJ1A0454	R41043	DIGITAL IMAGE PROCESSING	0	-1	0
11BJ1A0454	R41044	RADAR SYSTEMS	0	-1	0
11BJ1A0454	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	0	-1	0
11BJ1A0454	R4104B	DIGITAL SIGNAL PROCESSING LAB	14	-1	0
11BJ1A0454	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	14	-1	0
11BJ1A0455	R41026	INSTRUMENTATION	22	37	4
11BJ1A0455	R41041	OPTICAL COMMUNICATIONS	22	39	4
11BJ1A0455	R41042	EMBEDDED SYSTEMS	20	33	4
11BJ1A0455	R41043	DIGITAL IMAGE PROCESSING	23	35	4
11BJ1A0455	R41044	RADAR SYSTEMS	22	30	4
11BJ1A0455	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	21	46	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0455	R4104B	DIGITAL SIGNAL PROCESSING LAB	24	45	2
11BJ1A0455	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	46	2
11BJ1A0456	R41026	INSTRUMENTATION	9	13	0
11BJ1A0456	R41041	OPTICAL COMMUNICATIONS	20	19	0
11BJ1A0456	R41042	EMBEDDED SYSTEMS	20	31	4
11BJ1A0456	R41043	DIGITAL IMAGE PROCESSING	21	49	4
11BJ1A0456	R41044	RADAR SYSTEMS	21	36	4
11BJ1A0456	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	21	32	4
11BJ1A0456	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	46	2
11BJ1A0456	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	46	2
11BJ1A0457	R41026	INSTRUMENTATION	21	38	4
11BJ1A0457	R41041	OPTICAL COMMUNICATIONS	23	41	4
11BJ1A0457	R41042	EMBEDDED SYSTEMS	23	47	4
11BJ1A0457	R41043	DIGITAL IMAGE PROCESSING	21	36	4
11BJ1A0457	R41044	RADAR SYSTEMS	22	55	4
11BJ1A0457	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	24	37	4
11BJ1A0457	R4104B	DIGITAL SIGNAL PROCESSING LAB	25	49	2
11BJ1A0457	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	50	2
11BJ1A0458	R41026	INSTRUMENTATION	22	26	4
11BJ1A0458	R41041	OPTICAL COMMUNICATIONS	22	33	4
11BJ1A0458	R41042	EMBEDDED SYSTEMS	20	27	4
11BJ1A0458	R41043	DIGITAL IMAGE PROCESSING	22	48	4
11BJ1A0458	R41044	RADAR SYSTEMS	24	53	4
11BJ1A0458	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	24	33	4
11BJ1A0458	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	44	2
11BJ1A0458	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	43	2
11BJ1A0459	R41026	INSTRUMENTATION	24	48	4
11BJ1A0459	R41041	OPTICAL COMMUNICATIONS	24	36	4
11BJ1A0459	R41042	EMBEDDED SYSTEMS	24	38	4
11BJ1A0459	R41043	DIGITAL IMAGE PROCESSING	25	49	4
11BJ1A0459	R41044	RADAR SYSTEMS	23	33	4
11BJ1A0459	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	24	59	4
11BJ1A0459	R4104B	DIGITAL SIGNAL PROCESSING LAB	25	50	2
11BJ1A0459	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	25	50	2
11BJ1A0460	R41026	INSTRUMENTATION	23	26	4
11BJ1A0460	R41041	OPTICAL COMMUNICATIONS	22	26	4
11BJ1A0460	R41042	EMBEDDED SYSTEMS	19	41	4
11BJ1A0460	R41043	DIGITAL IMAGE PROCESSING	23	57	4
11BJ1A0460	R41044	RADAR SYSTEMS	23	54	4
11BJ1A0460	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	23	32	4
11BJ1A0460	R4104B	DIGITAL SIGNAL PROCESSING LAB	24	46	2
11BJ1A0460	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	46	2
11BJ1A0461	R41026	INSTRUMENTATION	23	43	4
11BJ1A0461	R41041	OPTICAL COMMUNICATIONS	24	52	4
11BJ1A0461	R41042	EMBEDDED SYSTEMS	22	34	4
11BJ1A0461	R41043	DIGITAL IMAGE PROCESSING	24	52	4
11BJ1A0461	R41044	RADAR SYSTEMS	25	48	4
11BJ1A0461	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	22	45	4
11BJ1A0461	R4104B	DIGITAL SIGNAL PROCESSING LAB	24	43	2
11BJ1A0461	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	44	2
11BJ1A0462	R41026	INSTRUMENTATION	22	40	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0462	R41041	OPTICAL COMMUNICATIONS	25	39	4
11BJ1A0462	R41042	EMBEDDED SYSTEMS	21	35	4
11BJ1A0462	R41043	DIGITAL IMAGE PROCESSING	21	43	4
11BJ1A0462	R41044	RADAR SYSTEMS	23	45	4
11BJ1A0462	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	24	46	4
11BJ1A0462	R4104B	DIGITAL SIGNAL PROCESSING LAB	25	48	2
11BJ1A0462	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	47	2
11BJ1A0463	R41026	INSTRUMENTATION	22	44	4
11BJ1A0463	R41041	OPTICAL COMMUNICATIONS	19	30	4
11BJ1A0463	R41042	EMBEDDED SYSTEMS	19	28	4
11BJ1A0463	R41043	DIGITAL IMAGE PROCESSING	22	39	4
11BJ1A0463	R41044	RADAR SYSTEMS	24	27	4
11BJ1A0463	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	21	56	4
11BJ1A0463	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	47	2
11BJ1A0463	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	44	2
11BJ1A0464	R41026	INSTRUMENTATION	0	-1	0
11BJ1A0464	R41041	OPTICAL COMMUNICATIONS	0	-1	0
11BJ1A0464	R41042	EMBEDDED SYSTEMS	0	-1	0
11BJ1A0464	R41043	DIGITAL IMAGE PROCESSING	0	-1	0
11BJ1A0464	R41044	RADAR SYSTEMS	0	-1	0
11BJ1A0464	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	0	-1	0
11BJ1A0464	R4104B	DIGITAL SIGNAL PROCESSING LAB	0	-1	0
11BJ1A0464	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	0	-1	0
11BJ1A0465	R41026	INSTRUMENTATION	24	42	4
11BJ1A0465	R41041	OPTICAL COMMUNICATIONS	24	47	4
11BJ1A0465	R41042	EMBEDDED SYSTEMS	22	41	4
11BJ1A0465	R41043	DIGITAL IMAGE PROCESSING	24	49	4
11BJ1A0465	R41044	RADAR SYSTEMS	24	42	4
11BJ1A0465	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	24	50	4
11BJ1A0465	R4104B	DIGITAL SIGNAL PROCESSING LAB	24	47	2
11BJ1A0465	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	24	48	2
11BJ1A0466	R41026	INSTRUMENTATION	16	6	0
11BJ1A0466	R41041	OPTICAL COMMUNICATIONS	18	15	0
11BJ1A0466	R41042	EMBEDDED SYSTEMS	17	12	0
11BJ1A0466	R41043	DIGITAL IMAGE PROCESSING	22	30	4
11BJ1A0466	R41044	RADAR SYSTEMS	22	32	4
11BJ1A0466	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	29	4
11BJ1A0466	R4104B	DIGITAL SIGNAL PROCESSING LAB	20	35	2
11BJ1A0466	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	20	38	2
11BJ1A0467	R41026	INSTRUMENTATION	14	7	0
11BJ1A0467	R41041	OPTICAL COMMUNICATIONS	14	26	4
11BJ1A0467	R41042	EMBEDDED SYSTEMS	16	16	0
11BJ1A0467	R41043	DIGITAL IMAGE PROCESSING	15	11	0
11BJ1A0467	R41044	RADAR SYSTEMS	19	17	0
11BJ1A0467	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	35	4
11BJ1A0467	R4104B	DIGITAL SIGNAL PROCESSING LAB	20	40	2
11BJ1A0467	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	21	38	2
11BJ1A0468	R41026	INSTRUMENTATION	22	26	4
11BJ1A0468	R41041	OPTICAL COMMUNICATIONS	17	18	0
11BJ1A0468	R41042	EMBEDDED SYSTEMS	19	29	4
11BJ1A0468	R41043	DIGITAL IMAGE PROCESSING	20	48	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0468	R41044	RADAR SYSTEMS	21	30	4
11BJ1A0468	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	23	31	4
11BJ1A0468	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	38	2
11BJ1A0468	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	42	2
11BJ1A0469	R41026	INSTRUMENTATION	20	33	4
11BJ1A0469	R41041	OPTICAL COMMUNICATIONS	20	38	4
11BJ1A0469	R41042	EMBEDDED SYSTEMS	19	41	4
11BJ1A0469	R41043	DIGITAL IMAGE PROCESSING	24	36	4
11BJ1A0469	R41044	RADAR SYSTEMS	22	53	4
11BJ1A0469	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	23	37	4
11BJ1A0469	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	44	2
11BJ1A0469	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	45	2
11BJ1A0471	R41026	INSTRUMENTATION	11	29	4
11BJ1A0471	R41041	OPTICAL COMMUNICATIONS	18	30	4
11BJ1A0471	R41042	EMBEDDED SYSTEMS	15	31	4
11BJ1A0471	R41043	DIGITAL IMAGE PROCESSING	16	39	4
11BJ1A0471	R41044	RADAR SYSTEMS	20	33	4
11BJ1A0471	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	32	4
11BJ1A0471	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	41	2
11BJ1A0471	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	43	2
11BJ1A0472	R41026	INSTRUMENTATION	22	4	0
11BJ1A0472	R41041	OPTICAL COMMUNICATIONS	20	26	4
11BJ1A0472	R41042	EMBEDDED SYSTEMS	12	18	0
11BJ1A0472	R41043	DIGITAL IMAGE PROCESSING	21	28	4
11BJ1A0472	R41044	RADAR SYSTEMS	21	26	4
11BJ1A0472	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	36	4
11BJ1A0472	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	43	2
11BJ1A0472	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	44	2
11BJ1A0501	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	53	4
11BJ1A0501	R41052	UML & DESIGN PATTERNS	23	52	4
11BJ1A0501	R41053	DATA WARE HOUSING AND DATA MINING	22	26	4
11BJ1A0501	R41054	MOBILE COMPUTING	23	43	4
11BJ1A0501	R41057	OPEN SOURCE SOFTWARE	25	33	4
11BJ1A0501	R4105B	SOFTWARE PROJECT MANAGEMENT	23	42	4
11BJ1A0501	R4105E	UML & DESIGN PATTERNS LAB	24	50	2
11BJ1A0501	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	25	43	2
11BJ1A0502	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	53	4
11BJ1A0502	R41052	UML & DESIGN PATTERNS	24	44	4
11BJ1A0502	R41053	DATA WARE HOUSING AND DATA MINING	23	44	4
11BJ1A0502	R41054	MOBILE COMPUTING	23	51	4
11BJ1A0502	R41057	OPEN SOURCE SOFTWARE	25	35	4
11BJ1A0502	R4105B	SOFTWARE PROJECT MANAGEMENT	21	45	4
11BJ1A0502	R4105E	UML & DESIGN PATTERNS LAB	24	50	2
11BJ1A0502	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	25	45	2
11BJ1A0503	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	32	4
11BJ1A0503	R41052	UML & DESIGN PATTERNS	23	41	4
11BJ1A0503	R41053	DATA WARE HOUSING AND DATA MINING	23	30	4
11BJ1A0503	R41054	MOBILE COMPUTING	23	34	4
11BJ1A0503	R41057	OPEN SOURCE SOFTWARE	25	27	4
11BJ1A0503	R4105B	SOFTWARE PROJECT MANAGEMENT	24	42	4
11BJ1A0503	R4105E	UML & DESIGN PATTERNS LAB	24	49	2

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0503	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	25	48	2
11BJ1A0504	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	38	4
11BJ1A0504	R41052	UML & DESIGN PATTERNS	24	33	4
11BJ1A0504	R41053	DATA WARE HOUSING AND DATA MINING	24	40	4
11BJ1A0504	R41054	MOBILE COMPUTING	24	29	4
11BJ1A0504	R41057	OPEN SOURCE SOFTWARE	25	40	4
11BJ1A0504	R4105B	SOFTWARE PROJECT MANAGEMENT	23	42	4
11BJ1A0504	R4105E	UML & DESIGN PATTERNS LAB	23	49	2
11BJ1A0504	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	25	48	2
11BJ1A0505	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	54	4
11BJ1A0505	R41052	UML & DESIGN PATTERNS	25	59	4
11BJ1A0505	R41053	DATA WARE HOUSING AND DATA MINING	25	31	4
11BJ1A0505	R41054	MOBILE COMPUTING	24	42	4
11BJ1A0505	R41057	OPEN SOURCE SOFTWARE	25	27	4
11BJ1A0505	R4105B	SOFTWARE PROJECT MANAGEMENT	25	45	4
11BJ1A0505	R4105E	UML & DESIGN PATTERNS LAB	25	50	2
11BJ1A0505	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
11BJ1A0506	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	41	4
11BJ1A0506	R41052	UML & DESIGN PATTERNS	24	39	4
11BJ1A0506	R41053	DATA WARE HOUSING AND DATA MINING	24	38	4
11BJ1A0506	R41054	MOBILE COMPUTING	25	47	4
11BJ1A0506	R41057	OPEN SOURCE SOFTWARE	25	44	4
11BJ1A0506	R4105B	SOFTWARE PROJECT MANAGEMENT	25	40	4
11BJ1A0506	R4105E	UML & DESIGN PATTERNS LAB	25	50	2
11BJ1A0506	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
11BJ1A0507	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	32	4
11BJ1A0507	R41052	UML & DESIGN PATTERNS	18	50	4
11BJ1A0507	R41053	DATA WARE HOUSING AND DATA MINING	23	30	4
11BJ1A0507	R41054	MOBILE COMPUTING	21	40	4
11BJ1A0507	R41057	OPEN SOURCE SOFTWARE	24	26	4
11BJ1A0507	R4105B	SOFTWARE PROJECT MANAGEMENT	18	44	4
11BJ1A0507	R4105E	UML & DESIGN PATTERNS LAB	23	48	2
11BJ1A0507	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	23	43	2
11BJ1A0508	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	30	4
11BJ1A0508	R41052	UML & DESIGN PATTERNS	22	31	4
11BJ1A0508	R41053	DATA WARE HOUSING AND DATA MINING	21	26	4
11BJ1A0508	R41054	MOBILE COMPUTING	22	26	4
11BJ1A0508	R41057	OPEN SOURCE SOFTWARE	23	34	4
11BJ1A0508	R4105B	SOFTWARE PROJECT MANAGEMENT	24	37	4
11BJ1A0508	R4105E	UML & DESIGN PATTERNS LAB	23	48	2
11BJ1A0508	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	45	2
11BJ1A0509	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	50	4
11BJ1A0509	R41052	UML & DESIGN PATTERNS	22	70	4
11BJ1A0509	R41053	DATA WARE HOUSING AND DATA MINING	21	38	4
11BJ1A0509	R41054	MOBILE COMPUTING	23	34	4
11BJ1A0509	R41057	OPEN SOURCE SOFTWARE	22	38	4
11BJ1A0509	R4105B	SOFTWARE PROJECT MANAGEMENT	21	32	4
11BJ1A0509	R4105E	UML & DESIGN PATTERNS LAB	23	48	2
11BJ1A0509	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	43	2
11BJ1A0510	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	35	4
11BJ1A0510	R41052	UML & DESIGN PATTERNS	25	34	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0510	R41053	DATA WARE HOUSING AND DATA MINING	24	34	4
11BJ1A0510	R41054	MOBILE COMPUTING	24	28	4
11BJ1A0510	R41057	OPEN SOURCE SOFTWARE	25	32	4
11BJ1A0510	R4105B	SOFTWARE PROJECT MANAGEMENT	25	33	4
11BJ1A0510	R4105E	UML & DESIGN PATTERNS LAB	24	50	2
11BJ1A0510	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
11BJ1A0511	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	31	4
11BJ1A0511	R41052	UML & DESIGN PATTERNS	24	50	4
11BJ1A0511	R41053	DATA WARE HOUSING AND DATA MINING	25	26	4
11BJ1A0511	R41054	MOBILE COMPUTING	24	33	4
11BJ1A0511	R41057	OPEN SOURCE SOFTWARE	23	27	4
11BJ1A0511	R4105B	SOFTWARE PROJECT MANAGEMENT	19	35	4
11BJ1A0511	R4105E	UML & DESIGN PATTERNS LAB	23	48	2
11BJ1A0511	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
11BJ1A0512	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	49	4
11BJ1A0512	R41052	UML & DESIGN PATTERNS	25	31	4
11BJ1A0512	R41053	DATA WARE HOUSING AND DATA MINING	25	34	4
11BJ1A0512	R41054	MOBILE COMPUTING	25	27	4
11BJ1A0512	R41057	OPEN SOURCE SOFTWARE	25	35	4
11BJ1A0512	R4105B	SOFTWARE PROJECT MANAGEMENT	25	37	4
11BJ1A0512	R4105E	UML & DESIGN PATTERNS LAB	25	49	2
11BJ1A0512	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	25	49	2
11BJ1A0513	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	52	4
11BJ1A0513	R41052	UML & DESIGN PATTERNS	24	54	4
11BJ1A0513	R41053	DATA WARE HOUSING AND DATA MINING	25	38	4
11BJ1A0513	R41054	MOBILE COMPUTING	24	40	4
11BJ1A0513	R41057	OPEN SOURCE SOFTWARE	25	33	4
11BJ1A0513	R4105B	SOFTWARE PROJECT MANAGEMENT	25	41	4
11BJ1A0513	R4105E	UML & DESIGN PATTERNS LAB	24	49	2
11BJ1A0513	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	47	2
11BJ1A0514	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	15	0
11BJ1A0514	R41052	UML & DESIGN PATTERNS	20	33	4
11BJ1A0514	R41053	DATA WARE HOUSING AND DATA MINING	23	34	4
11BJ1A0514	R41054	MOBILE COMPUTING	22	35	4
11BJ1A0514	R41057	OPEN SOURCE SOFTWARE	23	34	4
11BJ1A0514	R4105B	SOFTWARE PROJECT MANAGEMENT	23	39	4
11BJ1A0514	R4105E	UML & DESIGN PATTERNS LAB	23	48	2
11BJ1A0514	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	23	42	2
11BJ1A0515	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	26	4
11BJ1A0515	R41052	UML & DESIGN PATTERNS	21	47	4
11BJ1A0515	R41053	DATA WARE HOUSING AND DATA MINING	22	29	4
11BJ1A0515	R41054	MOBILE COMPUTING	24	32	4
11BJ1A0515	R41057	OPEN SOURCE SOFTWARE	23	13	0
11BJ1A0515	R4105B	SOFTWARE PROJECT MANAGEMENT	23	40	4
11BJ1A0515	R4105E	UML & DESIGN PATTERNS LAB	24	48	2
11BJ1A0515	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	25	49	2
11BJ1A0516	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	46	4
11BJ1A0516	R41052	UML & DESIGN PATTERNS	21	47	4
11BJ1A0516	R41053	DATA WARE HOUSING AND DATA MINING	23	37	4
11BJ1A0516	R41054	MOBILE COMPUTING	24	26	4
11BJ1A0516	R41057	OPEN SOURCE SOFTWARE	25	38	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0516	R4105B	SOFTWARE PROJECT MANAGEMENT	23	44	4
11BJ1A0516	R4105E	UML & DESIGN PATTERNS LAB	25	50	2
11BJ1A0516	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
11BJ1A0517	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	31	4
11BJ1A0517	R41052	UML & DESIGN PATTERNS	23	45	4
11BJ1A0517	R41053	DATA WARE HOUSING AND DATA MINING	23	26	4
11BJ1A0517	R41054	MOBILE COMPUTING	23	26	4
11BJ1A0517	R41057	OPEN SOURCE SOFTWARE	23	20	0
11BJ1A0517	R4105B	SOFTWARE PROJECT MANAGEMENT	24	20	0
11BJ1A0517	R4105E	UML & DESIGN PATTERNS LAB	25	49	2
11BJ1A0517	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	25	49	2
11BJ1A0518	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	39	4
11BJ1A0518	R41052	UML & DESIGN PATTERNS	25	45	4
11BJ1A0518	R41053	DATA WARE HOUSING AND DATA MINING	25	35	4
11BJ1A0518	R41054	MOBILE COMPUTING	25	50	4
11BJ1A0518	R41057	OPEN SOURCE SOFTWARE	25	36	4
11BJ1A0518	R4105B	SOFTWARE PROJECT MANAGEMENT	24	40	4
11BJ1A0518	R4105E	UML & DESIGN PATTERNS LAB	25	50	2
11BJ1A0518	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
11BJ1A0519	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	13	0
11BJ1A0519	R41052	UML & DESIGN PATTERNS	22	37	4
11BJ1A0519	R41053	DATA WARE HOUSING AND DATA MINING	16	26	4
11BJ1A0519	R41054	MOBILE COMPUTING	21	17	0
11BJ1A0519	R41057	OPEN SOURCE SOFTWARE	24	29	4
11BJ1A0519	R4105B	SOFTWARE PROJECT MANAGEMENT	19	33	4
11BJ1A0519	R4105E	UML & DESIGN PATTERNS LAB	24	48	2
11BJ1A0519	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	46	2
11BJ1A0520	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	9	-1	0
11BJ1A0520	R41052	UML & DESIGN PATTERNS	15	-1	0
11BJ1A0520	R41053	DATA WARE HOUSING AND DATA MINING	10	-1	0
11BJ1A0520	R41054	MOBILE COMPUTING	12	-1	0
11BJ1A0520	R41057	OPEN SOURCE SOFTWARE	11	-1	0
11BJ1A0520	R4105B	SOFTWARE PROJECT MANAGEMENT	12	-1	0
11BJ1A0520	R4105E	UML & DESIGN PATTERNS LAB	22	42	2
11BJ1A0520	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	42	2
11BJ1A0521	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	12	34	4
11BJ1A0521	R41052	UML & DESIGN PATTERNS	12	40	4
11BJ1A0521	R41053	DATA WARE HOUSING AND DATA MINING	13	27	4
11BJ1A0521	R41054	MOBILE COMPUTING	19	18	0
11BJ1A0521	R41057	OPEN SOURCE SOFTWARE	19	18	0
11BJ1A0521	R4105B	SOFTWARE PROJECT MANAGEMENT	17	11	0
11BJ1A0521	R4105E	UML & DESIGN PATTERNS LAB	23	48	2
11BJ1A0521	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	23	42	2
11BJ1A0522	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	12	15	0
11BJ1A0522	R41052	UML & DESIGN PATTERNS	15	18	0
11BJ1A0522	R41053	DATA WARE HOUSING AND DATA MINING	15	6	0
11BJ1A0522	R41054	MOBILE COMPUTING	18	29	4
11BJ1A0522	R41057	OPEN SOURCE SOFTWARE	14	26	4
11BJ1A0522	R4105B	SOFTWARE PROJECT MANAGEMENT	18	26	4
11BJ1A0522	R4105E	UML & DESIGN PATTERNS LAB	22	43	2
11BJ1A0522	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	22	40	2

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0523	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	26	4
11BJ1A0523	R41052	UML & DESIGN PATTERNS	22	42	4
11BJ1A0523	R41053	DATA WARE HOUSING AND DATA MINING	23	33	4
11BJ1A0523	R41054	MOBILE COMPUTING	24	31	4
11BJ1A0523	R41057	OPEN SOURCE SOFTWARE	24	28	4
11BJ1A0523	R4105B	SOFTWARE PROJECT MANAGEMENT	24	52	4
11BJ1A0523	R4105E	UML & DESIGN PATTERNS LAB	23	48	2
11BJ1A0523	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
11BJ1A0524	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	26	4
11BJ1A0524	R41052	UML & DESIGN PATTERNS	18	26	4
11BJ1A0524	R41053	DATA WARE HOUSING AND DATA MINING	17	9	0
11BJ1A0524	R41054	MOBILE COMPUTING	20	26	4
11BJ1A0524	R41057	OPEN SOURCE SOFTWARE	15	32	4
11BJ1A0524	R4105B	SOFTWARE PROJECT MANAGEMENT	19	27	4
11BJ1A0524	R4105E	UML & DESIGN PATTERNS LAB	23	48	2
11BJ1A0524	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	46	2
11BJ1A0525	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	59	4
11BJ1A0525	R41052	UML & DESIGN PATTERNS	24	41	4
11BJ1A0525	R41053	DATA WARE HOUSING AND DATA MINING	23	48	4
11BJ1A0525	R41054	MOBILE COMPUTING	20	27	4
11BJ1A0525	R41057	OPEN SOURCE SOFTWARE	25	39	4
11BJ1A0525	R4105B	SOFTWARE PROJECT MANAGEMENT	25	37	4
11BJ1A0525	R4105E	UML & DESIGN PATTERNS LAB	24	49	2
11BJ1A0525	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	47	2
11BJ1A0526	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	8	14	0
11BJ1A0526	R41052	UML & DESIGN PATTERNS	15	12	0
11BJ1A0526	R41053	DATA WARE HOUSING AND DATA MINING	12	8	0
11BJ1A0526	R41054	MOBILE COMPUTING	10	10	0
11BJ1A0526	R41057	OPEN SOURCE SOFTWARE	16	4	0
11BJ1A0526	R4105B	SOFTWARE PROJECT MANAGEMENT	15	14	0
11BJ1A0526	R4105E	UML & DESIGN PATTERNS LAB	23	44	2
11BJ1A0526	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
11BJ1A0527	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	11	15	0
11BJ1A0527	R41052	UML & DESIGN PATTERNS	17	31	4
11BJ1A0527	R41053	DATA WARE HOUSING AND DATA MINING	18	26	4
11BJ1A0527	R41054	MOBILE COMPUTING	18	5	0
11BJ1A0527	R41057	OPEN SOURCE SOFTWARE	14	0	0
11BJ1A0527	R4105B	SOFTWARE PROJECT MANAGEMENT	16	29	4
11BJ1A0527	R4105E	UML & DESIGN PATTERNS LAB	23	44	2
11BJ1A0527	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
11BJ1A0528	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	7	9	0
11BJ1A0528	R41052	UML & DESIGN PATTERNS	12	14	0
11BJ1A0528	R41053	DATA WARE HOUSING AND DATA MINING	13	2	0
11BJ1A0528	R41054	MOBILE COMPUTING	15	3	0
11BJ1A0528	R41057	OPEN SOURCE SOFTWARE	18	12	0
11BJ1A0528	R4105B	SOFTWARE PROJECT MANAGEMENT	7	20	0
11BJ1A0528	R4105E	UML & DESIGN PATTERNS LAB	23	42	2
11BJ1A0528	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	20	41	2
11BJ1A0529	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	8	28	0
11BJ1A0529	R41052	UML & DESIGN PATTERNS	8	12	0
11BJ1A0529	R41053	DATA WARE HOUSING AND DATA MINING	13	19	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0529	R41054	MOBILE COMPUTING	14	22	0
11BJ1A0529	R41057	OPEN SOURCE SOFTWARE	8	10	0
11BJ1A0529	R4105B	SOFTWARE PROJECT MANAGEMENT	11	9	0
11BJ1A0529	R4105E	UML & DESIGN PATTERNS LAB	22	42	2
11BJ1A0529	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	20	40	2
11BJ1A0531	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	15	29	4
11BJ1A0531	R41052	UML & DESIGN PATTERNS	15	31	4
11BJ1A0531	R41053	DATA WARE HOUSING AND DATA MINING	16	35	4
11BJ1A0531	R41054	MOBILE COMPUTING	19	36	4
11BJ1A0531	R41057	OPEN SOURCE SOFTWARE	18	29	4
11BJ1A0531	R4105B	SOFTWARE PROJECT MANAGEMENT	15	35	4
11BJ1A0531	R4105E	UML & DESIGN PATTERNS LAB	24	49	2
11BJ1A0531	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	49	2
11BJ1A0532	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	26	4
11BJ1A0532	R41052	UML & DESIGN PATTERNS	16	26	4
11BJ1A0532	R41053	DATA WARE HOUSING AND DATA MINING	22	3	0
11BJ1A0532	R41054	MOBILE COMPUTING	23	20	0
11BJ1A0532	R41057	OPEN SOURCE SOFTWARE	4	3	0
11BJ1A0532	R4105B	SOFTWARE PROJECT MANAGEMENT	21	19	0
11BJ1A0532	R4105E	UML & DESIGN PATTERNS LAB	23	47	2
11BJ1A0532	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
11BJ1A0533	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	39	4
11BJ1A0533	R41052	UML & DESIGN PATTERNS	17	26	4
11BJ1A0533	R41053	DATA WARE HOUSING AND DATA MINING	17	26	4
11BJ1A0533	R41054	MOBILE COMPUTING	19	26	4
11BJ1A0533	R41057	OPEN SOURCE SOFTWARE	22	33	4
11BJ1A0533	R4105B	SOFTWARE PROJECT MANAGEMENT	22	27	4
11BJ1A0533	R4105E	UML & DESIGN PATTERNS LAB	23	47	2
11BJ1A0533	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
11BJ1A0534	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	26	4
11BJ1A0534	R41052	UML & DESIGN PATTERNS	19	16	0
11BJ1A0534	R41053	DATA WARE HOUSING AND DATA MINING	18	13	0
11BJ1A0534	R41054	MOBILE COMPUTING	20	12	0
11BJ1A0534	R41057	OPEN SOURCE SOFTWARE	22	8	0
11BJ1A0534	R4105B	SOFTWARE PROJECT MANAGEMENT	22	14	0
11BJ1A0534	R4105E	UML & DESIGN PATTERNS LAB	23	47	2
11BJ1A0534	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	46	2
11BJ1A0535	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	8	9	0
11BJ1A0535	R41052	UML & DESIGN PATTERNS	17	14	0
11BJ1A0535	R41053	DATA WARE HOUSING AND DATA MINING	15	0	0
11BJ1A0535	R41054	MOBILE COMPUTING	14	8	0
11BJ1A0535	R41057	OPEN SOURCE SOFTWARE	19	1	0
11BJ1A0535	R4105B	SOFTWARE PROJECT MANAGEMENT	18	18	0
11BJ1A0535	R4105E	UML & DESIGN PATTERNS LAB	23	45	2
11BJ1A0535	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	23	43	2
11BJ1A0536	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	38	4
11BJ1A0536	R41052	UML & DESIGN PATTERNS	16	28	4
11BJ1A0536	R41053	DATA WARE HOUSING AND DATA MINING	17	29	4
11BJ1A0536	R41054	MOBILE COMPUTING	16	39	4
11BJ1A0536	R41057	OPEN SOURCE SOFTWARE	17	26	4
11BJ1A0536	R4105B	SOFTWARE PROJECT MANAGEMENT	21	27	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0536	R4105E	UML & DESIGN PATTERNS LAB	23	47	2
11BJ1A0536	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	20	44	2
11BJ1A0537	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	60	4
11BJ1A0537	R41052	UML & DESIGN PATTERNS	19	45	4
11BJ1A0537	R41053	DATA WARE HOUSING AND DATA MINING	20	40	4
11BJ1A0537	R41054	MOBILE COMPUTING	23	26	4
11BJ1A0537	R41057	OPEN SOURCE SOFTWARE	23	29	4
11BJ1A0537	R4105B	SOFTWARE PROJECT MANAGEMENT	24	48	4
11BJ1A0537	R4105E	UML & DESIGN PATTERNS LAB	25	50	2
11BJ1A0537	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
11BJ1A0538	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	13	0
11BJ1A0538	R41052	UML & DESIGN PATTERNS	21	38	4
11BJ1A0538	R41053	DATA WARE HOUSING AND DATA MINING	20	13	0
11BJ1A0538	R41054	MOBILE COMPUTING	18	17	0
11BJ1A0538	R41057	OPEN SOURCE SOFTWARE	23	27	4
11BJ1A0538	R4105B	SOFTWARE PROJECT MANAGEMENT	22	15	0
11BJ1A0538	R4105E	UML & DESIGN PATTERNS LAB	23	43	2
11BJ1A0538	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	23	40	2
11BJ1A0539	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	8	11	0
11BJ1A0539	R41052	UML & DESIGN PATTERNS	9	11	0
11BJ1A0539	R41053	DATA WARE HOUSING AND DATA MINING	14	-1	0
11BJ1A0539	R41054	MOBILE COMPUTING	10	11	0
11BJ1A0539	R41057	OPEN SOURCE SOFTWARE	10	11	0
11BJ1A0539	R4105B	SOFTWARE PROJECT MANAGEMENT	6	22	0
11BJ1A0539	R4105E	UML & DESIGN PATTERNS LAB	22	40	2
11BJ1A0539	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	18	39	2
11BJ1A0540	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	13	27	4
11BJ1A0540	R41052	UML & DESIGN PATTERNS	14	26	4
11BJ1A0540	R41053	DATA WARE HOUSING AND DATA MINING	15	27	4
11BJ1A0540	R41054	MOBILE COMPUTING	14	26	4
11BJ1A0540	R41057	OPEN SOURCE SOFTWARE	14	27	4
11BJ1A0540	R4105B	SOFTWARE PROJECT MANAGEMENT	12	30	4
11BJ1A0540	R4105E	UML & DESIGN PATTERNS LAB	23	44	2
11BJ1A0540	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	18	39	2
11BJ1A0541	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	35	4
11BJ1A0541	R41052	UML & DESIGN PATTERNS	16	28	4
11BJ1A0541	R41053	DATA WARE HOUSING AND DATA MINING	21	6	0
11BJ1A0541	R41054	MOBILE COMPUTING	18	16	0
11BJ1A0541	R41057	OPEN SOURCE SOFTWARE	23	13	0
11BJ1A0541	R4105B	SOFTWARE PROJECT MANAGEMENT	21	37	4
11BJ1A0541	R4105E	UML & DESIGN PATTERNS LAB	24	49	2
11BJ1A0541	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
11BJ1A0542	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	14	44	4
11BJ1A0542	R41052	UML & DESIGN PATTERNS	15	34	4
11BJ1A0542	R41053	DATA WARE HOUSING AND DATA MINING	15	17	0
11BJ1A0542	R41054	MOBILE COMPUTING	16	9	0
11BJ1A0542	R41057	OPEN SOURCE SOFTWARE	21	2	0
11BJ1A0542	R4105B	SOFTWARE PROJECT MANAGEMENT	19	12	0
11BJ1A0542	R4105E	UML & DESIGN PATTERNS LAB	23	48	2
11BJ1A0542	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
11BJ1A0543	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	9	9	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0543	R41052	UML & DESIGN PATTERNS	18	10	0
11BJ1A0543	R41053	DATA WARE HOUSING AND DATA MINING	11	7	0
11BJ1A0543	R41054	MOBILE COMPUTING	14	29	4
11BJ1A0543	R41057	OPEN SOURCE SOFTWARE	10	5	0
11BJ1A0543	R4105B	SOFTWARE PROJECT MANAGEMENT	12	18	0
11BJ1A0543	R4105E	UML & DESIGN PATTERNS LAB	23	47	2
11BJ1A0543	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	20	45	2
11BJ1A0544	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	46	4
11BJ1A0544	R41052	UML & DESIGN PATTERNS	14	44	4
11BJ1A0544	R41053	DATA WARE HOUSING AND DATA MINING	16	9	0
11BJ1A0544	R41054	MOBILE COMPUTING	14	40	4
11BJ1A0544	R41057	OPEN SOURCE SOFTWARE	21	26	4
11BJ1A0544	R4105B	SOFTWARE PROJECT MANAGEMENT	16	35	4
11BJ1A0544	R4105E	UML & DESIGN PATTERNS LAB	23	47	2
11BJ1A0544	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
11FE1A0206	R41021	COMPUTER ORGANIZATION	3	14	0
11FE1A0206	R41022	HIGH VOLTAGE ENGINEERING	18	13	0
11FE1A0206	R41023	SWITCH GEAR & PROTECTION	22	19	0
11FE1A0206	R41024	POWER SYSTEM OPERATION & CONTROL	22	15	0
11FE1A0206	R41026	INSTRUMENTATION	22	10	0
11FE1A0206	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	22	12	0
11FE1A0206	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	22	44	2
11FE1A0206	R4102D	ELECTRICAL SIMULATION LAB	20	41	2
11NA1A0402	R41026	INSTRUMENTATION	2	-1	0
11NA1A0402	R41041	OPTICAL COMMUNICATIONS	17	-1	0
11NA1A0402	R41042	EMBEDDED SYSTEMS	15	-1	0
11NA1A0402	R41043	DIGITAL IMAGE PROCESSING	16	-1	0
11NA1A0402	R41044	RADAR SYSTEMS	18	-1	0
11NA1A0402	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	17	-1	0
11NA1A0402	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	37	2
11NA1A0402	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	41	2
12BJ5A0201	R41021	COMPUTER ORGANIZATION	19	31	4
12BJ5A0201	R41022	HIGH VOLTAGE ENGINEERING	24	29	4
12BJ5A0201	R41023	SWITCH GEAR & PROTECTION	22	47	4
12BJ5A0201	R41024	POWER SYSTEM OPERATION & CONTROL	24	16	0
12BJ5A0201	R41026	INSTRUMENTATION	25	34	4
12BJ5A0201	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	24	26	4
12BJ5A0201	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	22	48	2
12BJ5A0201	R4102D	ELECTRICAL SIMULATION LAB	24	48	2
12BJ5A0202	R41021	COMPUTER ORGANIZATION	18	31	4
12BJ5A0202	R41022	HIGH VOLTAGE ENGINEERING	23	42	4
12BJ5A0202	R41023	SWITCH GEAR & PROTECTION	23	34	4
12BJ5A0202	R41024	POWER SYSTEM OPERATION & CONTROL	21	36	4
12BJ5A0202	R41026	INSTRUMENTATION	24	35	4
12BJ5A0202	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	24	50	4
12BJ5A0202	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	22	47	2
12BJ5A0202	R4102D	ELECTRICAL SIMULATION LAB	24	48	2
12BJ5A0203	R41021	COMPUTER ORGANIZATION	20	31	4
12BJ5A0203	R41022	HIGH VOLTAGE ENGINEERING	24	29	4
12BJ5A0203	R41023	SWITCH GEAR & PROTECTION	23	32	4
12BJ5A0203	R41024	POWER SYSTEM OPERATION & CONTROL	23	48	4

Htno	Subcode	Subname	Internal	External	credits
12BJ5A0203	R41026	INSTRUMENTATION	23	30	4
12BJ5A0203	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	24	44	4
12BJ5A0203	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	22	48	2
12BJ5A0203	R4102D	ELECTRICAL SIMULATION LAB	24	48	2
12BJ5A0204	R41021	COMPUTER ORGANIZATION	20	26	4
12BJ5A0204	R41022	HIGH VOLTAGE ENGINEERING	24	31	4
12BJ5A0204	R41023	SWITCH GEAR & PROTECTION	24	37	4
12BJ5A0204	R41024	POWER SYSTEM OPERATION & CONTROL	24	26	4
12BJ5A0204	R41026	INSTRUMENTATION	25	26	4
12BJ5A0204	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	25	39	4
12BJ5A0204	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	24	50	2
12BJ5A0204	R4102D	ELECTRICAL SIMULATION LAB	25	50	2
12BJ5A0205	R41021	COMPUTER ORGANIZATION	18	34	4
12BJ5A0205	R41022	HIGH VOLTAGE ENGINEERING	21	29	4
12BJ5A0205	R41023	SWITCH GEAR & PROTECTION	23	28	4
12BJ5A0205	R41024	POWER SYSTEM OPERATION & CONTROL	21	26	4
12BJ5A0205	R41026	INSTRUMENTATION	22	34	4
12BJ5A0205	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	23	6	0
12BJ5A0205	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	20	46	2
12BJ5A0205	R4102D	ELECTRICAL SIMULATION LAB	22	45	2
12BJ5A0206	R41021	COMPUTER ORGANIZATION	19	15	0
12BJ5A0206	R41022	HIGH VOLTAGE ENGINEERING	22	32	4
12BJ5A0206	R41023	SWITCH GEAR & PROTECTION	23	41	4
12BJ5A0206	R41024	POWER SYSTEM OPERATION & CONTROL	22	26	4
12BJ5A0206	R41026	INSTRUMENTATION	24	17	0
12BJ5A0206	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	22	28	4
12BJ5A0206	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	21	47	2
12BJ5A0206	R4102D	ELECTRICAL SIMULATION LAB	25	45	2
12BJ5A0207	R41021	COMPUTER ORGANIZATION	13	15	0
12BJ5A0207	R41022	HIGH VOLTAGE ENGINEERING	24	36	4
12BJ5A0207	R41023	SWITCH GEAR & PROTECTION	22	28	4
12BJ5A0207	R41024	POWER SYSTEM OPERATION & CONTROL	22	29	4
12BJ5A0207	R41026	INSTRUMENTATION	23	32	4
12BJ5A0207	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	25	33	4
12BJ5A0207	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	22	43	2
12BJ5A0207	R4102D	ELECTRICAL SIMULATION LAB	21	42	2
12BJ5A0208	R41021	COMPUTER ORGANIZATION	20	6	0
12BJ5A0208	R41022	HIGH VOLTAGE ENGINEERING	16	12	0
12BJ5A0208	R41023	SWITCH GEAR & PROTECTION	21	33	4
12BJ5A0208	R41024	POWER SYSTEM OPERATION & CONTROL	23	10	0
12BJ5A0208	R41026	INSTRUMENTATION	22	12	0
12BJ5A0208	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	24	13	0
12BJ5A0208	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	23	43	2
12BJ5A0208	R4102D	ELECTRICAL SIMULATION LAB	21	42	2
12BJ5A0209	R41021	COMPUTER ORGANIZATION	20	44	4
12BJ5A0209	R41022	HIGH VOLTAGE ENGINEERING	24	37	4
12BJ5A0209	R41023	SWITCH GEAR & PROTECTION	25	59	4
12BJ5A0209	R41024	POWER SYSTEM OPERATION & CONTROL	23	53	4
12BJ5A0209	R41026	INSTRUMENTATION	25	50	4
12BJ5A0209	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	24	49	4
12BJ5A0209	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	24	50	2

Htno	Subcode	Subname	Internal	External	credits
12BJ5A0209	R4102D	ELECTRICAL SIMULATION LAB	25	50	2
12BJ5A0210	R41021	COMPUTER ORGANIZATION	16	17	0
12BJ5A0210	R41022	HIGH VOLTAGE ENGINEERING	21	32	4
12BJ5A0210	R41023	SWITCH GEAR & PROTECTION	20	31	4
12BJ5A0210	R41024	POWER SYSTEM OPERATION & CONTROL	20	26	4
12BJ5A0210	R41026	INSTRUMENTATION	24	28	4
12BJ5A0210	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	23	40	4
12BJ5A0210	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	21	42	2
12BJ5A0210	R4102D	ELECTRICAL SIMULATION LAB	21	43	2
12BJ5A0211	R41021	COMPUTER ORGANIZATION	17	13	0
12BJ5A0211	R41022	HIGH VOLTAGE ENGINEERING	23	33	4
12BJ5A0211	R41023	SWITCH GEAR & PROTECTION	21	46	4
12BJ5A0211	R41024	POWER SYSTEM OPERATION & CONTROL	23	26	4
12BJ5A0211	R41026	INSTRUMENTATION	23	26	4
12BJ5A0211	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	23	50	4
12BJ5A0211	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	21	46	2
12BJ5A0211	R4102D	ELECTRICAL SIMULATION LAB	21	45	2
12BJ5A0212	R41021	COMPUTER ORGANIZATION	14	0	0
12BJ5A0212	R41022	HIGH VOLTAGE ENGINEERING	22	10	0
12BJ5A0212	R41023	SWITCH GEAR & PROTECTION	20	29	4
12BJ5A0212	R41024	POWER SYSTEM OPERATION & CONTROL	21	5	0
12BJ5A0212	R41026	INSTRUMENTATION	23	1	0
12BJ5A0212	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	24	0	0
12BJ5A0212	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	22	43	2
12BJ5A0212	R4102D	ELECTRICAL SIMULATION LAB	21	42	2
12BJ5A0214	R41021	COMPUTER ORGANIZATION	16	36	4
12BJ5A0214	R41022	HIGH VOLTAGE ENGINEERING	19	26	4
12BJ5A0214	R41023	SWITCH GEAR & PROTECTION	18	40	4
12BJ5A0214	R41024	POWER SYSTEM OPERATION & CONTROL	20	36	4
12BJ5A0214	R41026	INSTRUMENTATION	23	41	4
12BJ5A0214	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	21	10	0
12BJ5A0214	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	23	44	2
12BJ5A0214	R4102D	ELECTRICAL SIMULATION LAB	24	43	2
12BJ5A0215	R41021	COMPUTER ORGANIZATION	15	14	0
12BJ5A0215	R41022	HIGH VOLTAGE ENGINEERING	19	38	4
12BJ5A0215	R41023	SWITCH GEAR & PROTECTION	21	29	4
12BJ5A0215	R41024	POWER SYSTEM OPERATION & CONTROL	21	26	4
12BJ5A0215	R41026	INSTRUMENTATION	22	30	4
12BJ5A0215	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	24	34	4
12BJ5A0215	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	20	45	2
12BJ5A0215	R4102D	ELECTRICAL SIMULATION LAB	23	45	2
12BJ5A0216	R41021	COMPUTER ORGANIZATION	0	-1	0
12BJ5A0216	R41022	HIGH VOLTAGE ENGINEERING	0	-1	0
12BJ5A0216	R41023	SWITCH GEAR & PROTECTION	0	-1	0
12BJ5A0216	R41024	POWER SYSTEM OPERATION & CONTROL	0	-1	0
12BJ5A0216	R41026	INSTRUMENTATION	0	-1	0
12BJ5A0216	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	0	-1	0
12BJ5A0216	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	0	-1	0
12BJ5A0216	R4102D	ELECTRICAL SIMULATION LAB	0	-1	0
12BJ5A0217	R41021	COMPUTER ORGANIZATION	19	12	0
12BJ5A0217	R41022	HIGH VOLTAGE ENGINEERING	23	26	4

Htno	Subcode	Subname	Internal	External	credits
12BJ5A0217	R41023	SWITCH GEAR & PROTECTION	24	35	4
12BJ5A0217	R41024	POWER SYSTEM OPERATION & CONTROL	24	14	0
12BJ5A0217	R41026	INSTRUMENTATION	22	11	0
12BJ5A0217	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	24	26	4
12BJ5A0217	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	21	46	2
12BJ5A0217	R4102D	ELECTRICAL SIMULATION LAB	21	45	2
12BJ5A0218	R41021	COMPUTER ORGANIZATION	13	30	4
12BJ5A0218	R41022	HIGH VOLTAGE ENGINEERING	20	26	4
12BJ5A0218	R41023	SWITCH GEAR & PROTECTION	19	34	4
12BJ5A0218	R41024	POWER SYSTEM OPERATION & CONTROL	20	10	0
12BJ5A0218	R41026	INSTRUMENTATION	22	13	0
12BJ5A0218	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	23	8	0
12BJ5A0218	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	22	45	2
12BJ5A0218	R4102D	ELECTRICAL SIMULATION LAB	22	44	2
12BJ5A0219	R41021	COMPUTER ORGANIZATION	0	-1	0
12BJ5A0219	R41022	HIGH VOLTAGE ENGINEERING	0	-1	0
12BJ5A0219	R41023	SWITCH GEAR & PROTECTION	0	-1	0
12BJ5A0219	R41024	POWER SYSTEM OPERATION & CONTROL	0	-1	0
12BJ5A0219	R41026	INSTRUMENTATION	0	-1	0
12BJ5A0219	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	0	-1	0
12BJ5A0219	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	0	-1	0
12BJ5A0219	R4102D	ELECTRICAL SIMULATION LAB	0	-1	0
12BJ5A0220	R41021	COMPUTER ORGANIZATION	16	4	0
12BJ5A0220	R41022	HIGH VOLTAGE ENGINEERING	19	31	4
12BJ5A0220	R41023	SWITCH GEAR & PROTECTION	21	16	0
12BJ5A0220	R41024	POWER SYSTEM OPERATION & CONTROL	17	11	0
12BJ5A0220	R41026	INSTRUMENTATION	23	26	4
12BJ5A0220	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	18	26	4
12BJ5A0220	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	23	45	2
12BJ5A0220	R4102D	ELECTRICAL SIMULATION LAB	21	44	2
12BJ5A0221	R41021	COMPUTER ORGANIZATION	0	-1	0
12BJ5A0221	R41022	HIGH VOLTAGE ENGINEERING	0	-1	0
12BJ5A0221	R41023	SWITCH GEAR & PROTECTION	0	-1	0
12BJ5A0221	R41024	POWER SYSTEM OPERATION & CONTROL	0	-1	0
12BJ5A0221	R41026	INSTRUMENTATION	0	-1	0
12BJ5A0221	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	0	-1	0
12BJ5A0221	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	0	-1	0
12BJ5A0221	R4102D	ELECTRICAL SIMULATION LAB	0	-1	0
12BJ5A0223	R41021	COMPUTER ORGANIZATION	0	-1	0
12BJ5A0223	R41022	HIGH VOLTAGE ENGINEERING	0	-1	0
12BJ5A0223	R41023	SWITCH GEAR & PROTECTION	0	-1	0
12BJ5A0223	R41024	POWER SYSTEM OPERATION & CONTROL	0	-1	0
12BJ5A0223	R41026	INSTRUMENTATION	0	-1	0
12BJ5A0223	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	0	-1	0
12BJ5A0223	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	20	-1	0
12BJ5A0223	R4102D	ELECTRICAL SIMULATION LAB	20	-1	0
12BJ5A0224	R41021	COMPUTER ORGANIZATION	16	6	0
12BJ5A0224	R41022	HIGH VOLTAGE ENGINEERING	24	0	0
12BJ5A0224	R41023	SWITCH GEAR & PROTECTION	22	33	4
12BJ5A0224	R41024	POWER SYSTEM OPERATION & CONTROL	23	7	0
12BJ5A0224	R41026	INSTRUMENTATION	25	5	0

Htno	Subcode	Subname	Internal	External	credits
12BJ5A0224	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	25	9	0
12BJ5A0224	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	21	44	2
12BJ5A0224	R4102D	ELECTRICAL SIMULATION LAB	22	43	2
12BJ5A0226	R41021	COMPUTER ORGANIZATION	18	30	4
12BJ5A0226	R41022	HIGH VOLTAGE ENGINEERING	18	38	4
12BJ5A0226	R41023	SWITCH GEAR & PROTECTION	19	40	4
12BJ5A0226	R41024	POWER SYSTEM OPERATION & CONTROL	20	26	4
12BJ5A0226	R41026	INSTRUMENTATION	23	32	4
12BJ5A0226	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	22	48	4
12BJ5A0226	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	23	47	2
12BJ5A0226	R4102D	ELECTRICAL SIMULATION LAB	23	46	2
12BJ5A0227	R41021	COMPUTER ORGANIZATION	20	8	0
12BJ5A0227	R41022	HIGH VOLTAGE ENGINEERING	23	28	4
12BJ5A0227	R41023	SWITCH GEAR & PROTECTION	24	32	4
12BJ5A0227	R41024	POWER SYSTEM OPERATION & CONTROL	22	12	0
12BJ5A0227	R41026	INSTRUMENTATION	24	7	0
12BJ5A0227	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	22	7	0
12BJ5A0227	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	22	47	2
12BJ5A0227	R4102D	ELECTRICAL SIMULATION LAB	23	45	2
12BJ5A0302	R41031	REFRIGERATION & AIR CONDITIONING	22	26	4
12BJ5A0302	R41032	CAD/CAM	25	28	4
12BJ5A0302	R41033	ALTERNATIVE SOURCES OF ENERGY	25	49	4
12BJ5A0302	R41034	UNCONVENTIONAL MACHINING PROCESSES	22	35	4
12BJ5A0302	R41035	MEMS	24	40	4
12BJ5A0302	R41037	AUTOMOBILE ENGINEERING	24	35	4
12BJ5A0302	R4103B	SIMULATION LAB	20	50	2
12BJ5A0302	R4103C	ADVANCED COMMUNICATION SKILLS LAB	24	49	2
12BJ5A0303	R41031	REFRIGERATION & AIR CONDITIONING	17	10	0
12BJ5A0303	R41032	CAD/CAM	16	9	0
12BJ5A0303	R41033	ALTERNATIVE SOURCES OF ENERGY	8	18	0
12BJ5A0303	R41034	UNCONVENTIONAL MACHINING PROCESSES	16	27	4
12BJ5A0303	R41035	MEMS	15	19	0
12BJ5A0303	R41037	AUTOMOBILE ENGINEERING	18	18	0
12BJ5A0303	R4103B	SIMULATION LAB	20	46	2
12BJ5A0303	R4103C	ADVANCED COMMUNICATION SKILLS LAB	18	38	2
12BJ5A0401	R41026	INSTRUMENTATION	24	52	4
12BJ5A0401	R41041	OPTICAL COMMUNICATIONS	25	54	4
12BJ5A0401	R41042	EMBEDDED SYSTEMS	25	46	4
12BJ5A0401	R41043	DIGITAL IMAGE PROCESSING	25	49	4
12BJ5A0401	R41044	RADAR SYSTEMS	24	67	4
12BJ5A0401	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	24	42	4
12BJ5A0401	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	50	2
12BJ5A0401	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	25	50	2
12BJ5A0402	R41026	INSTRUMENTATION	19	36	4
12BJ5A0402	R41041	OPTICAL COMMUNICATIONS	23	33	4
12BJ5A0402	R41042	EMBEDDED SYSTEMS	20	17	0
12BJ5A0402	R41043	DIGITAL IMAGE PROCESSING	19	30	4
12BJ5A0402	R41044	RADAR SYSTEMS	22	36	4
12BJ5A0402	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	18	32	4
12BJ5A0402	R4104B	DIGITAL SIGNAL PROCESSING LAB	24	45	2
12BJ5A0402	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	43	2

Htno	Subcode	Subname	Internal	External	credits
12BJ5A0403	R41026	INSTRUMENTATION	17	26	4
12BJ5A0403	R41041	OPTICAL COMMUNICATIONS	18	39	4
12BJ5A0403	R41042	EMBEDDED SYSTEMS	20	27	4
12BJ5A0403	R41043	DIGITAL IMAGE PROCESSING	23	26	4
12BJ5A0403	R41044	RADAR SYSTEMS	16	19	0
12BJ5A0403	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	20	36	4
12BJ5A0403	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	43	2
12BJ5A0403	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	44	2
12BJ5A0404	R41026	INSTRUMENTATION	22	35	4
12BJ5A0404	R41041	OPTICAL COMMUNICATIONS	19	19	0
12BJ5A0404	R41042	EMBEDDED SYSTEMS	15	50	4
12BJ5A0404	R41043	DIGITAL IMAGE PROCESSING	23	53	4
12BJ5A0404	R41044	RADAR SYSTEMS	19	43	4
12BJ5A0404	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	22	33	4
12BJ5A0404	R4104B	DIGITAL SIGNAL PROCESSING LAB	22	40	2
12BJ5A0404	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	40	2
12BJ5A0405	R41026	INSTRUMENTATION	21	28	4
12BJ5A0405	R41041	OPTICAL COMMUNICATIONS	13	32	4
12BJ5A0405	R41042	EMBEDDED SYSTEMS	18	30	4
12BJ5A0405	R41043	DIGITAL IMAGE PROCESSING	17	37	4
12BJ5A0405	R41044	RADAR SYSTEMS	19	36	4
12BJ5A0405	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	21	36	4
12BJ5A0405	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	40	2
12BJ5A0405	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	22	40	2
12BJ5A0406	R41026	INSTRUMENTATION	20	45	4
12BJ5A0406	R41041	OPTICAL COMMUNICATIONS	22	38	4
12BJ5A0406	R41042	EMBEDDED SYSTEMS	21	26	4
12BJ5A0406	R41043	DIGITAL IMAGE PROCESSING	21	37	4
12BJ5A0406	R41044	RADAR SYSTEMS	21	30	4
12BJ5A0406	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	22	38	4
12BJ5A0406	R4104B	DIGITAL SIGNAL PROCESSING LAB	23	44	2
12BJ5A0406	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	23	40	2
12BJ5A0502	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	34	4
12BJ5A0502	R41052	UML & DESIGN PATTERNS	23	40	4
12BJ5A0502	R41053	DATA WARE HOUSING AND DATA MINING	23	35	4
12BJ5A0502	R41054	MOBILE COMPUTING	24	26	4
12BJ5A0502	R41057	OPEN SOURCE SOFTWARE	25	29	4
12BJ5A0502	R4105B	SOFTWARE PROJECT MANAGEMENT	23	48	4
12BJ5A0502	R4105E	UML & DESIGN PATTERNS LAB	24	49	2
12BJ5A0502	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	24	47	2
12BJ5A0503	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	13	35	4
12BJ5A0503	R41052	UML & DESIGN PATTERNS	11	29	4
12BJ5A0503	R41053	DATA WARE HOUSING AND DATA MINING	16	26	4
12BJ5A0503	R41054	MOBILE COMPUTING	14	26	4
12BJ5A0503	R41057	OPEN SOURCE SOFTWARE	9	31	4
12BJ5A0503	R4105B	SOFTWARE PROJECT MANAGEMENT	16	18	0
12BJ5A0503	R4105E	UML & DESIGN PATTERNS LAB	22	40	2
12BJ5A0503	R4105F	MOBILE APPLICATION DEVELOPMENT LAB	21	45	2

[Last Date for Recounting/Revaluation/Challenge By Revaluation: 05-01-2015]

** Note:
* -1 in the filed of externals indicates student absent for the respective subject.
* -2 in the filed of externals indicates student Withheld for the respective subject.
* -3 in the filed of externals indicates student Malpractice for the respective

Date:29-12-2014

Controller of Examinations