

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Results for IV B.Tech I Semester [R13/R10] Regular/Supplementary Examinations Oct/Nov-2018 College: ANDHRA LOYOLA INSTT OF ENGG AND TECHNOLOGY, VIJAYAWADA:HP

Subcode Subname Htno Internal External Credits 11HP1A0318 R41032 CAD/CAM 5 -1 0 R41035 11HP1A0318 **MEMS** 3 31 O REFRIGERATION & AIR CONDITIONING 11HP1A0343 R41031 9 -1 0 11HP1A0343 R41032 CAD/CAM 4 0 -1 R41035 4 11HP1A0343 **MEMS** -1 0 11HP1A0499 R41045 TELECOMMUNICATION SWITCHING SYSTEMS 0 -1 0 9 11HP1A04A9 R41042 EMBEDDED SYSTEMS -1 0 11HP1A04A9 R41043 DIGITAL IMAGE PROCESSING 15 -1 0 12HP1A0503 R41057 **OPEN SOURCE SOFTWARE** 19 0 0 R41057 12HP1A0537 **OPEN SOURCE SOFTWARE** -1 10 O 12HP1A0553 RT41051 CRYPTOGRAPHY AND NETWORK SECURITY 12 27 0 RT41052 12HP1A0553 **UML AND DESIGN PATTERNS** 12 25 0 12HP1A0553 RT41053 MOBILE COMPUTING 12 -1 0 RT41054 12HP1A0553 SOFTWARE TESTING METHODOLOGIES 16 -1 0 12HP1A0553 RT4105B HADOOP AND BIG DATA 4 11 0 12HP1A0590 R41051 CRYPTOGRAPHY AND NETWORK SECURITY 11 0 n 12HP1A0596 R41051 CRYPTOGRAPHY AND NETWORK SECURITY 13 31 4 12HP1A0596 R41057 **OPEN SOURCE SOFTWARE** 18 15 0 12HP5A0208 R41022 HIGH VOLTAGE ENGINEERING 11 7 0 12HP5A0208 R41026 INSTRUMENTATION 23 -1 0 12HP5A0409 R41041 OPTICAL COMMUNICATIONS 10 -1 0 DIGITAL IMAGE PROCESSING 12HP5A0409 R41043 7 -1 0 13HP1A0122 RT41012 PRESTRESSED CONCRETE 17 28 3 13HP1A0237 RT41021 RENEWABLE ENERGY SOURCES AND SYSTEMS 19 29 3 RT41022 13HP1A0237 **HVAC AND DC TRANSMISSION** 14 16 O 13HP1A0237 RT41023 POWER SYSTEM OPERATION AND CONTROL 32 3 12 RT41025 **INSTRUMENTATION** 13HP1A0237 17 3 46 RT41029 **ELECTRICAL DISTRIBUTION SYSTEMS** 13HP1A0237 12 20 0 13HP1A0238 RT41021 RENEWABLE ENERGY SOURCES AND SYSTEMS 15 -1 0 RT41029 13HP1A0240 **ELECTRICAL DISTRIBUTION SYSTEMS** 6 27 0 13HP1A0331 RT41031 **AUTOMOBILE ENGINEERING** 19 40 3 RT41035 14 13HP1A0331 **MEMS** -1 0 13HP1A0336 RT41033 FINITE ELEMENT METHODS 6 0 0 13HP1A0336 RT41034 UNCONVENTIONAL MACHINING PROCESSES -1 0 13HP1A0336 RT41035 **MEMS** 13 -1 0 RT41033 FINITE ELEMENT METHODS 13HP1A0366 7 9 0 13HP1A0375 RT41031 AUTOMOBILE ENGINEERING 12 28 3 RT41033 13HP1A0375 FINITE ELEMENT METHODS 14 48 3 13HP1A0375 RT41035 **MEMS** 9 43 3 FINITE ELEMENT METHODS 13HP1A0381 RT41033 11 8 0 13HP1A04A1 RT41043 DIGITAL IMAGE PROCESSING 9 -1 0 13HP1A04A4 RT41048 RADAR SYSTEMS 13 17 O RT4104A OPTICAL COMMUNICATION 12 -1 0 13HP1A04B6 13HP1A0501 SOFTWARE TESTING METHODOLOGIES RT41054 17 29 3

Htno	Subcode	Subname	Internal	External	Credits
13HP1A0539	RT41054	SOFTWARE TESTING METHODOLOGIES	13	25	0
13HP1A0549	RT4105B	HADOOP AND BIG DATA	12	32	3
13HP5A0307	RT41032	CAD / CAM	13	11	0
13HP5A0307	RT41035	MEMS	2	-1	0
14HP1A0129	RT41012	PRESTRESSED CONCRETE	16	-1	0
14HP1A0141	RT41015	REMOTE SENSING AND GIS APPLICATIONS	16	24	3
14HP1A0230	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	23	6	0
14HP1A0230	RT41022	HVAC AND DC TRANSMISSION	12	3	0
14HP1A0230	RT41023	POWER SYSTEM OPERATION AND CONTROL	20	0	0
14HP1A0230	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	13	5	0
14HP1A0230	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	9	0
14HP1A0301	RT41031	AUTOMOBILE ENGINEERING	24	43	3
14HP1A0301	RT41032	CAD / CAM	14	39	3
14HP1A0301	RT41033	FINITE ELEMENT METHODS	16	10	0
14HP1A0301	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	34	3
14HP1A0301	RT41035	MEMS	21	41	3
14HP1A0301	RT41039	AUTOMATION IN MANUFACTURING	19	36	3
14HP1A0301	RT4103L	SIMULATION LAB	24	30	2
14HP1A0301	RT4103M	DESIGN FABRICATION PROJECT	43	0	1
14HP1A0306	RT41031	AUTOMOBILE ENGINEERING	11	16	0
14HP1A0306	RT41032	CAD / CAM	12	0	0
14HP1A0306	RT41033	FINITE ELEMENT METHODS	15	6	0
14HP1A0308	RT41033	FINITE ELEMENT METHODS	14	11	0
14HP1A0310	RT41033	FINITE ELEMENT METHODS	11	29	3
14HP1A0310	RT41036	NANO TECHNOLOGY	14	49	3
14HP1A0310	RT4103L	SIMULATION LAB	18	19	2
14HP1A0311	RT41031	AUTOMOBILE ENGINEERING	12	10	0
14HP1A0311	RT41032	CAD / CAM	16	-1	0
14HP1A0311	RT41033	FINITE ELEMENT METHODS	8	6	0
14HP1A0316	RT41033	FINITE ELEMENT METHODS	13	9	0
14HP1A0319	RT41033	FINITE ELEMENT METHODS	14	11	0
14HP1A0319	RT41036	NANO TECHNOLOGY	15	33	3
14HP1A0320	RT41031	AUTOMOBILE ENGINEERING	18	24	3
14HP1A0320	RT41032	CAD / CAM	9	31	3
14HP1A0320	RT41033	FINITE ELEMENT METHODS	13	22	0
14HP1A0320	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	15	0
14HP1A0320	RT41035	MEMS	17	29	3
14HP1A0320	RT41039	AUTOMATION IN MANUFACTURING	19	8	0
14HP1A0320	RT4103L	SIMULATION LAB	18	19	2
14HP1A0320	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
14HP1A0323	RT41033	FINITE ELEMENT METHODS	12	9	0
14HP1A0324	RT41031	AUTOMOBILE ENGINEERING	16	33	3
14HP1A0324	RT41033	FINITE ELEMENT METHODS	6	9	0
14HP1A0324	RT4103L	SIMULATION LAB	14	19	2
14HP1A0343	RT41033	FINITE ELEMENT METHODS	7	41	3
14HP1A0345	RT41033	FINITE ELEMENT METHODS	6	13	0
14HP1A0350	RT41033	FINITE ELEMENT METHODS	16	9	0
14HP1A0368	RT41031	AUTOMOBILE ENGINEERING	18	39	3
14HP1A0368	RT41032	CAD / CAM	7	35	3
14HP1A0377	RT41031	AUTOMOBILE ENGINEERING	19	19	0

Htno	Subcode	Subname	Internal	External	Credits
14HP1A0377	RT41032	CAD / CAM	13	18	0
14HP1A0377	RT41033	FINITE ELEMENT METHODS	17	24	3
14HP1A0377	RT41034	UNCONVENTIONAL MACHINING PROCESSES	15	29	3
14HP1A0377	RT41035	MEMS	16	33	3
14HP1A0377	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	11	20	0
14HP1A0379	RT41031	AUTOMOBILE ENGINEERING	13	28	3
14HP1A0379	RT41032	CAD / CAM	8	12	0
14HP1A0379	RT41033	FINITE ELEMENT METHODS	14	34	3
14HP1A0379	RT41035	MEMS	7	12	0
14HP1A0399	RT41031	AUTOMOBILE ENGINEERING	10	24	0
14HP1A0399	RT41032	CAD / CAM	10	30	3
14HP1A0399	RT41033	FINITE ELEMENT METHODS	18	6	0
14HP1A0399	RT41034	UNCONVENTIONAL MACHINING PROCESSES	7	30	0
14HP1A0399	RT41035	MEMS	15	27	3
14HP1A0399	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	7	10	0
14HP1A0412	RT41041	VLSI DESIGN	17	27	3
14HP1A0412	RT41042	COMPUTER NETWORKS	13	20	0
14HP1A0412	RT41043	DIGITAL IMAGE PROCESSING	15	9	0
14HP1A0412	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	10	30	3
14HP1A0412	RT41048	RADAR SYSTEMS	17	24	3
14HP1A0412	RT4104A	OPTICAL COMMUNICATION	15	12	0
14HP1A0412	RT4104L	V L S I LAB	4	-1	0
14HP1A0412	RT4104M	MICROWAVE ENGINEERING LAB	15	34	2
14HP1A0444	RT41041	VLSI DESIGN	15	26	3
14HP1A0444	RT41042	COMPUTER NETWORKS	10	30	3
14HP1A0444	RT41043	DIGITAL IMAGE PROCESSING	18	12	0
14HP1A0444	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	9	11	0
14HP1A0444	RT41048	RADAR SYSTEMS	14	16	0
14HP1A0444	RT4104A	OPTICAL COMMUNICATION	15	3	0
14HP1A0444	RT4104L	V L S I LAB	15	25	2
14HP1A0444	RT4104M	MICROWAVE ENGINEERING LAB	18	40	2
14HP1A0453	RT41043	DIGITAL IMAGE PROCESSING	13	7	0
14HP1A0454	RT41043	DIGITAL IMAGE PROCESSING	20	-1	0
14HP1A0454	RT41048	RADAR SYSTEMS	18	-1	0
14HP1A0472	RT41043	DIGITAL IMAGE PROCESSING	17	15	0
14HP1A0472	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	30	3
14HP1A0473	RT41048	RADAR SYSTEMS	22	43	3
14HP1A0490	RT41041	VLSI DESIGN	19	-1	0
14HP1A0499	RT4104A	OPTICAL COMMUNICATION	17	30	3
14HP1A04A3	RT41041	VLSI DESIGN	1	26	0
14HP1A04A3	RT41042	COMPUTER NETWORKS	6	29	0
14HP1A04A3	RT41043	DIGITAL IMAGE PROCESSING	8	-1	0
14HP1A04A3	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	6	10	0
14HP1A04A3	RT41048	RADAR SYSTEMS	2	-1	0
14HP1A04A3	RT4104A	OPTICAL COMMUNICATION	9	-1	0
14HP1A04B3	RT41041	VLSI DESIGN	16	28	3
14HP1A04B3	RT41042	COMPUTER NETWORKS	8	18	0
14HP1A04B3	RT41043	DIGITAL IMAGE PROCESSING	16	11	0
14HP1A04B3	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	13	27	3
14HP1A04B3	RT41048	RADAR SYSTEMS	8	32	3

Htno	Subcode	Subname	Internal	External	Credits
14HP1A04B3	RT4104A	OPTICAL COMMUNICATION	11	13	0
14HP1A04B3	RT4104L	V L S I LAB	5	26	2
14HP1A04B3	RT4104M	MICROWAVE ENGINEERING LAB	18	40	2
14HP1A04B6	RT41043	DIGITAL IMAGE PROCESSING	23	8	0
14HP1A0512	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	9	0	0
14HP1A0512	RT41052	UML AND DESIGN PATTERNS	5	-1	0
14HP1A0512	RT41053	MOBILE COMPUTING	16	-1	0
14HP1A0512	RT41054	SOFTWARE TESTING METHODOLOGIES	10	-1	0
14HP1A0512	RT4105B	HADOOP AND BIG DATA	15	3	0
14HP1A0512	RT4105L	UML AND DESIGN PATTERNS LAB	20	42	2
14HP1A0512	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	38	2
14HP1A0512	RT4105N	SOFTWARE TESTING LAB	20	45	2
14HP1A0512	RT4105O	HADOOP AND BIGDATA LAB	13	39	2
14HP1A0517	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	15	0
14HP1A0517	RT41053	MOBILE COMPUTING	18	30	3
14HP1A0552	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	24	3
14HP1A0552	RT41052	UML AND DESIGN PATTERNS	19	31	3
14HP1A0552	RT41053	MOBILE COMPUTING	22	11	0
14HP1A0552	RT41054	SOFTWARE TESTING METHODOLOGIES	18	43	3
14HP1A0552	RT4105B	HADOOP AND BIG DATA	21	35	3
14HP1A0552	RT4105L	UML AND DESIGN PATTERNS LAB	20	43	2
14HP1A0552	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	35	2
14HP1A0552	RT4105N	SOFTWARE TESTING LAB	22	48	2
14HP1A0552	RT4105O	HADOOP AND BIGDATA LAB	18	37	2
14HP1A0579	RT41054	SOFTWARE TESTING METHODOLOGIES	17	37	3
14HP1A0587	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	24	3
14HP1A0587	RT41054	SOFTWARE TESTING METHODOLOGIES	10	30	3
14HP1A0595	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	11	0
14HP1A05A6	RT41054	SOFTWARE TESTING METHODOLOGIES	19	-1	0
14HP1A05A7	RT41053	MOBILE COMPUTING	24	29	3
14HP1A05A7	RT41054	SOFTWARE TESTING METHODOLOGIES	15	13	0
14HP1A1223	RT41058	MULTIMEDIA COMPUTING	15	25	3
14HP1A1223	RT4105B	HADOOP AND BIG DATA	12	25	0
14HP1A1236	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	15	-1	0
14HP1A1238	RT41053	MOBILE COMPUTING	14	-1	0
14HP1A1238	RT41058	MULTIMEDIA COMPUTING	10	-1	0
14HP1A1239	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	26	3
14HP1A1239	RT41052	UML AND DESIGN PATTERNS	23	26	3
14HP1A1239	RT41053	MOBILE COMPUTING	23	29	3
14HP1A1239	RT41058	MULTIMEDIA COMPUTING	24	24	3
14HP1A1239	RT4105B	HADOOP AND BIG DATA	21	36	3
14HP1A1239	RT4112L	UML AND DESIGN PATTERNS LAB	23	44	2
14HP1A1239	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	21	30	2
14HP1A1239	RT4112N	SOFTWARE ENGINEERING LAB	24	46	2
14HP1A1239	RT4112O	HADOOP AND BIGDATA LAB	21	22	2
14HP5A0209	RT41025	INSTRUMENTATION	12	35	3
14HP5A0325	RT41033	FINITE ELEMENT METHODS	14	8	0
14HP5A0325	RT41036	NANO TECHNOLOGY	10	7	0
14HP5A0505	RT41054	SOFTWARE TESTING METHODOLOGIES	21	33	3
15HP1A0101	RT41011	ENVIRONMENTAL ENGINEERING- II	22	38	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0101	RT41012	PRESTRESSED CONCRETE	24	40	3
15HP1A0101	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	38	3
15HP1A0101	RT41014	WATER RESOURCES ENGINEERING - II	20	39	3
15HP1A0101	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	60	3
15HP1A0101	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	44	3
15HP1A0101	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	44	2
15HP1A0101	RT4101M	GIS AND CAD LAB	25	45	2
15HP1A0102	RT41011	ENVIRONMENTAL ENGINEERING- II	26	54	3
15HP1A0102	RT41012	PRESTRESSED CONCRETE	25	36	3
15HP1A0102	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	49	3
15HP1A0102	RT41014	WATER RESOURCES ENGINEERING - II	25	51	3
15HP1A0102	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	51	3
15HP1A0102	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	37	3
15HP1A0102	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	44	2
15HP1A0102	RT4101M	GIS AND CAD LAB	25	47	2
15HP1A0103	RT41011	ENVIRONMENTAL ENGINEERING- II	23	32	3
15HP1A0103	RT41012	PRESTRESSED CONCRETE	27	26	3
15HP1A0103	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	54	3
15HP1A0103	RT41014	WATER RESOURCES ENGINEERING - II	25	54	3
15HP1A0103	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	53	3
15HP1A0103	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	42	3
15HP1A0103	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	45	2
15HP1A0103	RT4101M	GIS AND CAD LAB	24	47	2
15HP1A0104	RT41011	ENVIRONMENTAL ENGINEERING- II	24	58	3
15HP1A0104	RT41012	PRESTRESSED CONCRETE	29	43	3
15HP1A0104	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	70	3
15HP1A0104	RT41014	WATER RESOURCES ENGINEERING - II	22	24	3
15HP1A0104	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	35	3
15HP1A0104	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	53	3
15HP1A0104	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	45	2
15HP1A0104	RT4101M	GIS AND CAD LAB	25	47	2
15HP1A0105	RT41011	ENVIRONMENTAL ENGINEERING- II	23	50	3
15HP1A0105	RT41012	PRESTRESSED CONCRETE	26	51	3
15HP1A0105	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	42	3
15HP1A0105	RT41014	WATER RESOURCES ENGINEERING - II	23	34	3
15HP1A0105	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	70	3
15HP1A0105	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	53	3
15HP1A0105	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	44	2
15HP1A0105	RT4101M	GIS AND CAD LAB	25	44	2
15HP1A0106	RT41011	ENVIRONMENTAL ENGINEERING- II	23	50	3
15HP1A0106	RT41012	PRESTRESSED CONCRETE	24	28	3
15HP1A0106	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	48	3
15HP1A0106	RT41014	WATER RESOURCES ENGINEERING - II	22	42	3
15HP1A0106	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	53	3
15HP1A0106	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	39	3
15HP1A0106	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	43	2
15HP1A0106	RT4101M	GIS AND CAD LAB	24	44	2
15HP1A0107	RT41011	ENVIRONMENTAL ENGINEERING- II	21	31	3
15HP1A0107	RT41012	PRESTRESSED CONCRETE	23	30	3
15HP1A0107	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	53	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0107	RT41014	WATER RESOURCES ENGINEERING - II	22	46	3
15HP1A0107	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	37	3
15HP1A0107	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	38	3
15HP1A0107	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	42	2
15HP1A0107	RT4101M	GIS AND CAD LAB	25	46	2
15HP1A0108	RT41011	ENVIRONMENTAL ENGINEERING- II	22	39	3
15HP1A0108	RT41012	PRESTRESSED CONCRETE	23	26	3
15HP1A0108	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	45	3
15HP1A0108	RT41014	WATER RESOURCES ENGINEERING - II	19	3	0
15HP1A0108	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	37	3
15HP1A0108	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	42	3
15HP1A0108	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	-1	0
15HP1A0108	RT4101M	GIS AND CAD LAB	25	45	2
15HP1A0109	RT41011	ENVIRONMENTAL ENGINEERING- II	23	35	3
15HP1A0109	RT41012	PRESTRESSED CONCRETE	24	30	3
15HP1A0109	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	42	3
15HP1A0109	RT41014	WATER RESOURCES ENGINEERING - II	26	40	3
15HP1A0109	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	62	3
15HP1A0109	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	57	3
15HP1A0109	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	44	2
15HP1A0109	RT4101M	GIS AND CAD LAB	25	45	2
15HP1A0110	RT41011	ENVIRONMENTAL ENGINEERING- II	22	44	3
15HP1A0110	RT41012	PRESTRESSED CONCRETE	19	33	3
15HP1A0110	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	36	3
15HP1A0110	RT41014	WATER RESOURCES ENGINEERING - II	22	35	3
15HP1A0110	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	50	3
15HP1A0110	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	37	3
15HP1A0110	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	41	2
15HP1A0110	RT4101M	GIS AND CAD LAB	25	42	2
15HP1A0111	RT41011	ENVIRONMENTAL ENGINEERING- II	22	32	3
15HP1A0111	RT41012	PRESTRESSED CONCRETE	21	27	3
15HP1A0111	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	62	3
15HP1A0111	RT41014	WATER RESOURCES ENGINEERING - II	19	56	3
15HP1A0111	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	49	3
15HP1A0111	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	43	3
15HP1A0111	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	44	2
15HP1A0111	RT4101M	GIS AND CAD LAB	25	46	2
15HP1A0113	RT41011	ENVIRONMENTAL ENGINEERING- II	23	49	3
15HP1A0113	RT41012	PRESTRESSED CONCRETE	25	37	3
15HP1A0113	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	59	3
15HP1A0113	RT41014	WATER RESOURCES ENGINEERING - II	25	12	0
15HP1A0113	RT41015	REMOTE SENSING AND GIS APPLICATIONS	28	56	3
15HP1A0113	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	37	3
15HP1A0113	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	41	2
15HP1A0113	RT4101M	GIS AND CAD LAB	25	46	2
15HP1A0114	RT41011	ENVIRONMENTAL ENGINEERING- II	27	40	3
15HP1A0114	RT41012	PRESTRESSED CONCRETE	23	51	3
15HP1A0114	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	42	3
15HP1A0114	RT41014	WATER RESOURCES ENGINEERING - II	23	38	3
	RT41015	REMOTE SENSING AND GIS APPLICATIONS	28	70	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0114	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	48	3
15HP1A0114	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	46	2
15HP1A0114	RT4101M	GIS AND CAD LAB	25	48	2
15HP1A0115	RT41011	ENVIRONMENTAL ENGINEERING- II	20	45	3
15HP1A0115	RT41012	PRESTRESSED CONCRETE	25	35	3
15HP1A0115	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	43	3
15HP1A0115	RT41014	WATER RESOURCES ENGINEERING - II	24	42	3
15HP1A0115	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	51	3
15HP1A0115	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	31	3
15HP1A0115	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	42	2
15HP1A0115	RT4101M	GIS AND CAD LAB	25	45	2
15HP1A0116	RT41011	ENVIRONMENTAL ENGINEERING- II	27	29	3
15HP1A0116	RT41012	PRESTRESSED CONCRETE	24	26	3
15HP1A0116	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	65	3
15HP1A0116	RT41014	WATER RESOURCES ENGINEERING - II	20	60	3
15HP1A0116	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	70	3
15HP1A0116	RT41016	GROUND IMPROVEMENT TECHNIQUES	27	38	3
15HP1A0116	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	44	2
15HP1A0116	RT4101M	GIS AND CAD LAB	25	46	2
15HP1A0117	RT41011	ENVIRONMENTAL ENGINEERING- II	22	46	3
15HP1A0117	RT41012	PRESTRESSED CONCRETE	18	36	3
15HP1A0117	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	57	3
15HP1A0117	RT41014	WATER RESOURCES ENGINEERING - II	20	10	0
15HP1A0117	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	42	3
15HP1A0117	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	25	3
15HP1A0117	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	40	2
15HP1A0117	RT4101M	GIS AND CAD LAB	25	39	2
15HP1A0118	RT41011	ENVIRONMENTAL ENGINEERING- II	22	38	3
15HP1A0118	RT41012	PRESTRESSED CONCRETE	21	36	3
15HP1A0118	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	38	3
15HP1A0118	RT41014	WATER RESOURCES ENGINEERING - II	20	25	3
15HP1A0118	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	52	3
15HP1A0118	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	45	3
15HP1A0118	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	40	2
15HP1A0118	RT4101M	GIS AND CAD LAB	24	42	2
15HP1A0119	RT41011	ENVIRONMENTAL ENGINEERING- II	15	36	3
15HP1A0119	RT41012	PRESTRESSED CONCRETE	18	24	3
15HP1A0119	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	35	3
15HP1A0119	RT41014	WATER RESOURCES ENGINEERING - II	16	24	3
15HP1A0119	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	40	3
15HP1A0119	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	36	3
15HP1A0119	RT4101L	ENVIRONMENTAL ENGINEERING LAB	17	34	2
15HP1A0119	RT4101M	GIS AND CAD LAB	25	40	2
15HP1A0120	RT41011	ENVIRONMENTAL ENGINEERING- II	21	24	3
15HP1A0120	RT41012	PRESTRESSED CONCRETE	17	30	3
15HP1A0120	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	37	3
15HP1A0120	RT41014	WATER RESOURCES ENGINEERING - II	18	57	3
15HP1A0120	RT41015	REMOTE SENSING AND GIS APPLICATIONS	18	49	3
15HP1A0120	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	32	3
15HP1A0120	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	33	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0120	RT4101M	GIS AND CAD LAB	25	38	2
15HP1A0121	RT41011	ENVIRONMENTAL ENGINEERING- II	16	42	3
15HP1A0121	RT41012	PRESTRESSED CONCRETE	18	17	0
15HP1A0121	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	19	56	3
15HP1A0121	RT41014	WATER RESOURCES ENGINEERING - II	17	15	0
15HP1A0121	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	48	3
15HP1A0121	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	37	3
15HP1A0121	RT4101L	ENVIRONMENTAL ENGINEERING LAB	17	32	2
15HP1A0121	RT4101M	GIS AND CAD LAB	25	40	2
15HP1A0122	RT41011	ENVIRONMENTAL ENGINEERING- II	20	40	3
15HP1A0122	RT41012	PRESTRESSED CONCRETE	23	38	3
15HP1A0122	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	38	3
15HP1A0122	RT41014	WATER RESOURCES ENGINEERING - II	23	34	3
15HP1A0122	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	67	3
15HP1A0122	RT41016	GROUND IMPROVEMENT TECHNIQUES	28	46	3
15HP1A0122	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	44	2
15HP1A0122	RT4101M	GIS AND CAD LAB	25	45	2
15HP1A0124	RT41011	ENVIRONMENTAL ENGINEERING- II	16	40	3
15HP1A0124	RT41012	PRESTRESSED CONCRETE	20	24	3
15HP1A0124	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	40	3
15HP1A0124	RT41014	WATER RESOURCES ENGINEERING - II	19	41	3
15HP1A0124	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	50	3
15HP1A0124	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	27	3
15HP1A0124	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	31	2
15HP1A0124	RT4101M	GIS AND CAD LAB	25	41	2
15HP1A0125	RT41011	ENVIRONMENTAL ENGINEERING- II	19	32	3
15HP1A0125	RT41012	PRESTRESSED CONCRETE	24	33	3
15HP1A0125	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	57	3
15HP1A0125	RT41014	WATER RESOURCES ENGINEERING - II	25	60	3
15HP1A0125	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	56	3
15HP1A0125	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	51	3
15HP1A0125	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	40	2
15HP1A0125	RT4101M	GIS AND CAD LAB	25	42	2
15HP1A0126	RT41011	ENVIRONMENTAL ENGINEERING- II	21	48	3
15HP1A0126	RT41012	PRESTRESSED CONCRETE	29	32	3
15HP1A0126	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	65	3
15HP1A0126	RT41014	WATER RESOURCES ENGINEERING - II	24	41	3
15HP1A0126	RT41015	REMOTE SENSING AND GIS APPLICATIONS	30	59	3
15HP1A0126	RT41016	GROUND IMPROVEMENT TECHNIQUES	27	53	3
15HP1A0126	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	30	2
15HP1A0126	RT4101M	GIS AND CAD LAB	23	41	2
15HP1A0127	RT41011	ENVIRONMENTAL ENGINEERING- II	15	29	3
15HP1A0127	RT41012	PRESTRESSED CONCRETE	19	39	3
15HP1A0127	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	18	34	3
15HP1A0127	RT41014	WATER RESOURCES ENGINEERING - II	19	40	3
15HP1A0127	RT41015	REMOTE SENSING AND GIS APPLICATIONS	18	63	3
15HP1A0127	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	53	3
15HP1A0127	RT4101L	ENVIRONMENTAL ENGINEERING LAB	17	29	2
15HP1A0127	RT4101M	GIS AND CAD LAB	25	39	2
15HP1A0128	RT41011	ENVIRONMENTAL ENGINEERING- II	20	49	3

	Subcode	Subname	Internal	External	Credits
15HP1A0128	RT41012	PRESTRESSED CONCRETE	25	40	3
15HP1A0128	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	47	3
15HP1A0128	RT41014	WATER RESOURCES ENGINEERING - II	26	58	3
15HP1A0128	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	48	3
15HP1A0128	RT41016	GROUND IMPROVEMENT TECHNIQUES	29	37	3
15HP1A0128	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	44	2
15HP1A0128	RT4101M	GIS AND CAD LAB	25	45	2
15HP1A0131	RT41011	ENVIRONMENTAL ENGINEERING- II	17	31	3
15HP1A0131	RT41012	PRESTRESSED CONCRETE	20	26	3
15HP1A0131	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	47	3
15HP1A0131	RT41014	WATER RESOURCES ENGINEERING - II	20	47	3
15HP1A0131	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	53	3
15HP1A0131	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	33	3
15HP1A0131	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	32	2
15HP1A0131	RT4101M	GIS AND CAD LAB	25	38	2
15HP1A0132	RT41011	ENVIRONMENTAL ENGINEERING- II	21	53	3
15HP1A0132	RT41012	PRESTRESSED CONCRETE	23	26	3
15HP1A0132	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	61	3
15HP1A0132	RT41014	WATER RESOURCES ENGINEERING - II	22	29	3
15HP1A0132	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	36	3
15HP1A0132	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	44	3
15HP1A0132	RT4101L	ENVIRONMENTAL ENGINEERING LAB	18	30	2
15HP1A0132	RT4101M	GIS AND CAD LAB	25	42	2
15HP1A0134	RT41011	ENVIRONMENTAL ENGINEERING- II	19	34	3
15HP1A0134	RT41012	PRESTRESSED CONCRETE	21	41	3
15HP1A0134	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	33	3
15HP1A0134	RT41014	WATER RESOURCES ENGINEERING - II	22	35	3
15HP1A0134	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	50	3
15HP1A0134	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	43	3
15HP1A0134	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	39	2
15HP1A0134	RT4101M	GIS AND CAD LAB	24	41	2
15HP1A0135	RT41011	ENVIRONMENTAL ENGINEERING- II	22	37	3
15HP1A0135	RT41012	PRESTRESSED CONCRETE	21	36	3
15HP1A0135	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	21	32	3
15HP1A0135	RT41014	WATER RESOURCES ENGINEERING - II	22	25	3
15HP1A0135	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	40	3
15HP1A0135	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	25	3
15HP1A0135	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	35	2
15HP1A0135	RT4101M	GIS AND CAD LAB	25	43	2
15HP1A0136	RT41011	ENVIRONMENTAL ENGINEERING- II	18	13	0
15HP1A0136	RT41012	PRESTRESSED CONCRETE	19	28	3
15HP1A0136	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	16	40	3
15HP1A0136	RT41014	WATER RESOURCES ENGINEERING - II	21	56	3
15HP1A0136	RT41015	REMOTE SENSING AND GIS APPLICATIONS	19	44	3
15HP1A0136	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	45	3
15HP1A0136	RT4101L	ENVIRONMENTAL ENGINEERING LAB	14	24	2
15HP1A0136	RT4101M	GIS AND CAD LAB	20	33	2
15HP1A0137	RT41011	ENVIRONMENTAL ENGINEERING- II	20	48	3
15HP1A0137	RT41012	PRESTRESSED CONCRETE	22	35	3
15HP1A0137	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	59	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0137	RT41014	WATER RESOURCES ENGINEERING - II	20	24	3
15HP1A0137	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	43	3
15HP1A0137	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	49	3
15HP1A0137	RT4101L	ENVIRONMENTAL ENGINEERING LAB	17	43	2
15HP1A0137	RT4101M	GIS AND CAD LAB	24	47	2
15HP1A0138	RT41011	ENVIRONMENTAL ENGINEERING- II	20	32	3
15HP1A0138	RT41012	PRESTRESSED CONCRETE	22	40	3
15HP1A0138	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	38	3
15HP1A0138	RT41014	WATER RESOURCES ENGINEERING - II	19	36	3
15HP1A0138	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	64	3
15HP1A0138	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	44	3
15HP1A0138	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	45	2
15HP1A0138	RT4101M	GIS AND CAD LAB	25	38	2
15HP1A0139	RT41011	ENVIRONMENTAL ENGINEERING- II	22	38	3
15HP1A0139	RT41012	PRESTRESSED CONCRETE	23	25	3
15HP1A0139	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	48	3
15HP1A0139	RT41014	WATER RESOURCES ENGINEERING - II	17	29	3
15HP1A0139	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	42	3
15HP1A0139	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	25	3
15HP1A0139	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	45	2
15HP1A0139	RT4101M	GIS AND CAD LAB	25	38	2
15HP1A0140	RT41011	ENVIRONMENTAL ENGINEERING- II	22	24	3
15HP1A0140	RT41012	PRESTRESSED CONCRETE	23	25	3
15HP1A0140	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	55	3
15HP1A0140	RT41014	WATER RESOURCES ENGINEERING - II	20	42	3
15HP1A0140	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	34	3
15HP1A0140	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	40	3
15HP1A0140	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	42	2
15HP1A0140	RT4101M	GIS AND CAD LAB	25	36	2
15HP1A0141	RT41011	ENVIRONMENTAL ENGINEERING- II	18	42	3
15HP1A0141	RT41012	PRESTRESSED CONCRETE	21	29	3
15HP1A0141	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	41	3
15HP1A0141	RT41014	WATER RESOURCES ENGINEERING - II	17	24	3
15HP1A0141	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	35	3
15HP1A0141	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	38	3
15HP1A0141	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	46	2
15HP1A0141	RT4101M	GIS AND CAD LAB	25	38	2
15HP1A0142	RT41011	ENVIRONMENTAL ENGINEERING- II	15	35	3
15HP1A0142	RT41012	PRESTRESSED CONCRETE	18	28	3
15HP1A0142	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	34	3
15HP1A0142	RT41014	WATER RESOURCES ENGINEERING - II	19	24	3
15HP1A0142	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	48	3
15HP1A0142	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	33	3
15HP1A0142	RT4101L	ENVIRONMENTAL ENGINEERING LAB	10	22	2
15HP1A0142	RT4101M	GIS AND CAD LAB	19	35	2
15HP1A0144	RT41011	ENVIRONMENTAL ENGINEERING- II	20	50	3
15HP1A0144	RT41012	PRESTRESSED CONCRETE	20	24	3
15HP1A0144	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	47	3
15HP1A0144	RT41014	WATER RESOURCES ENGINEERING - II	19	24	3
15HP1A0144	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	55	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0144	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	42	3
15HP1A0144	RT4101L	ENVIRONMENTAL ENGINEERING LAB	13	28	2
15HP1A0144	RT4101M	GIS AND CAD LAB	25	36	2
15HP1A0145	RT41011	ENVIRONMENTAL ENGINEERING- II	19	31	3
15HP1A0145	RT41012	PRESTRESSED CONCRETE	23	24	3
15HP1A0145	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	55	3
15HP1A0145	RT41014	WATER RESOURCES ENGINEERING - II	20	43	3
15HP1A0145	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	41	3
15HP1A0145	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	45	3
15HP1A0145	RT4101L	ENVIRONMENTAL ENGINEERING LAB	18	40	2
15HP1A0145	RT4101M	GIS AND CAD LAB	25	42	2
15HP1A0147	RT41011	ENVIRONMENTAL ENGINEERING- II	15	46	3
15HP1A0147	RT41012	PRESTRESSED CONCRETE	23	27	3
15HP1A0147	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	21	45	3
15HP1A0147	RT41014	WATER RESOURCES ENGINEERING - II	15	13	0
15HP1A0147	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	42	3
15HP1A0147	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	39	3
15HP1A0147	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	35	2
15HP1A0147	RT4101M	GIS AND CAD LAB	22	35	2
15HP1A0150	RT41011	ENVIRONMENTAL ENGINEERING- II	14	31	3
15HP1A0150	RT41012	PRESTRESSED CONCRETE	17	35	3
15HP1A0150	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	30	3
15HP1A0150	RT41014	WATER RESOURCES ENGINEERING - II	18	31	3
15HP1A0150	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	62	3
15HP1A0150	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	30	3
15HP1A0150	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	20	2
15HP1A0150	RT4101M	GIS AND CAD LAB	20	35	2
15HP1A0151	RT41011	ENVIRONMENTAL ENGINEERING- II	21	47	3
15HP1A0151	RT41012	PRESTRESSED CONCRETE	28	33	3
15HP1A0151	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	47	3
15HP1A0151	RT41014	WATER RESOURCES ENGINEERING - II	19	35	3
15HP1A0151	RT41015	REMOTE SENSING AND GIS APPLICATIONS	28	51	3
15HP1A0151	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	27	3
15HP1A0151	RT4101L	ENVIRONMENTAL ENGINEERING LAB	18	35	2
15HP1A0151	RT4101M	GIS AND CAD LAB	25	44	2
15HP1A0152	RT41011	ENVIRONMENTAL ENGINEERING- II	18	28	3
15HP1A0152	RT41012	PRESTRESSED CONCRETE	16	28	3
15HP1A0152	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	21	54	3
15HP1A0152	RT41014	WATER RESOURCES ENGINEERING - II	22	57	3
15HP1A0152	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	49	3
15HP1A0152	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	58	3
15HP1A0152	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	40	2
15HP1A0152	RT4101M	GIS AND CAD LAB	25	44	2
15HP1A0153	RT41011	ENVIRONMENTAL ENGINEERING- II	23	49	3
15HP1A0153	RT41012	PRESTRESSED CONCRETE	22	32	3
15HP1A0153	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	49	3
15HP1A0153	RT41014	WATER RESOURCES ENGINEERING - II	19	26	3
15HP1A0153	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	45	3
15HP1A0153	RT41016	GROUND IMPROVEMENT TECHNIQUES	29	49	3
15HP1A0153	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	40	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0153	RT4101M	GIS AND CAD LAB	25	42	2
15HP1A0154	RT41011	ENVIRONMENTAL ENGINEERING- II	21	32	3
15HP1A0154	RT41012	PRESTRESSED CONCRETE	20	41	3
15HP1A0154	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	21	36	3
15HP1A0154	RT41014	WATER RESOURCES ENGINEERING - II	17	17	0
15HP1A0154	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	49	3
15HP1A0154	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	41	3
15HP1A0154	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	44	2
15HP1A0154	RT4101M	GIS AND CAD LAB	25	44	2
15HP1A0155	RT41011	ENVIRONMENTAL ENGINEERING- II	20	27	3
15HP1A0155	RT41012	PRESTRESSED CONCRETE	21	33	3
15HP1A0155	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	19	36	3
15HP1A0155	RT41014	WATER RESOURCES ENGINEERING - II	18	31	3
15HP1A0155	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	38	3
15HP1A0155	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	27	3
15HP1A0155	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	35	2
15HP1A0155	RT4101M	GIS AND CAD LAB	25	43	2
15HP1A0159	RT41011	ENVIRONMENTAL ENGINEERING- II	22	31	3
15HP1A0159	RT41012	PRESTRESSED CONCRETE	22	26	3
15HP1A0159	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	58	3
15HP1A0159	RT41014	WATER RESOURCES ENGINEERING - II	21	42	3
15HP1A0159	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	24	3
15HP1A0159	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	49	3
15HP1A0159	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	42	2
15HP1A0159	RT4101M	GIS AND CAD LAB	20	39	2
15HP1A0201	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	38	3
15HP1A0201	RT41022	HVAC AND DC TRANSMISSION	24	24	3
15HP1A0201	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	29	3
15HP1A0201	RT41025	INSTRUMENTATION	20	25	3
15HP1A0201	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	36	3
15HP1A0201	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	16	40	2
15HP1A0201	RT4102M	ELECTRICAL SIMULATION LAB	22	44	2
15HP1A0201	RT4102N	POWER SYSTEMS LAB	20	46	2
15HP1A0202	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	47	3
15HP1A0202	RT41022	HVAC AND DC TRANSMISSION	26	62	3
15HP1A0202	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	41	3
15HP1A0202	RT41025	INSTRUMENTATION	26	62	3
15HP1A0202	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	29	55	3
15HP1A0202	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	48	2
15HP1A0202	RT4102M	ELECTRICAL SIMULATION LAB	23	46	2
15HP1A0202	RT4102N	POWER SYSTEMS LAB	23	42	2
15HP1A0204	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	34	3
15HP1A0204	RT41022	HVAC AND DC TRANSMISSION	23	39	3
15HP1A0204	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	38	3
15HP1A0204	RT41025	INSTRUMENTATION	22	56	3
15HP1A0204	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	37	3
15HP1A0204	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	40	2
15HP1A0204	RT4102M	ELECTRICAL SIMULATION LAB	24	46	2
15HP1A0204	RT4102N	POWER SYSTEMS LAB	22	44	2
15HP1A0205	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	50	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0205	RT41022	HVAC AND DC TRANSMISSION	26	51	3
15HP1A0205	RT41023	POWER SYSTEM OPERATION AND CONTROL	28	37	3
15HP1A0205	RT41025	INSTRUMENTATION	25	52	3
15HP1A0205	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	49	3
15HP1A0205	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	16	36	2
15HP1A0205	RT4102M	ELECTRICAL SIMULATION LAB	23	43	2
15HP1A0205	RT4102N	POWER SYSTEMS LAB	22	44	2
15HP1A0206	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	38	3
15HP1A0206	RT41022	HVAC AND DC TRANSMISSION	20	32	3
15HP1A0206	RT41023	POWER SYSTEM OPERATION AND CONTROL	28	39	3
15HP1A0206	RT41025	INSTRUMENTATION	17	27	3
15HP1A0206	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	47	3
15HP1A0206	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	37	2
15HP1A0206	RT4102M	ELECTRICAL SIMULATION LAB	22	46	2
15HP1A0206	RT4102N	POWER SYSTEMS LAB	19	44	2
15HP1A0207	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	33	3
15HP1A0207	RT41022	HVAC AND DC TRANSMISSION	18	53	3
15HP1A0207	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	12	0
15HP1A0207	RT41025	INSTRUMENTATION	16	34	3
15HP1A0207	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	20	28	3
15HP1A0207	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	41	2
15HP1A0207	RT4102M	ELECTRICAL SIMULATION LAB	21	42	2
15HP1A0207	RT4102N	POWER SYSTEMS LAB	20	44	2
15HP1A0209	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	25	3
15HP1A0209	RT41022	HVAC AND DC TRANSMISSION	22	33	3
15HP1A0209	RT41023	POWER SYSTEM OPERATION AND CONTROL	23	53	3
15HP1A0209	RT41025	INSTRUMENTATION	16	41	3
15HP1A0209	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	27	3
15HP1A0209	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	37	2
15HP1A0209	RT4102M	ELECTRICAL SIMULATION LAB	23	45	2
15HP1A0209	RT4102N	POWER SYSTEMS LAB	21	44	2
15HP1A0210	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	29	58	3
15HP1A0210	RT41022	HVAC AND DC TRANSMISSION	24	70	3
15HP1A0210	RT41023	POWER SYSTEM OPERATION AND CONTROL	29	39	3
15HP1A0210	RT41025	INSTRUMENTATION	25	44	3
15HP1A0210	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	59	3
15HP1A0210	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	44	2
15HP1A0210	RT4102M	ELECTRICAL SIMULATION LAB	24	44	2
15HP1A0210	RT4102N	POWER SYSTEMS LAB	23	44	2
15HP1A0211	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	52	3
15HP1A0211	RT41022	HVAC AND DC TRANSMISSION	29	40	3
15HP1A0211	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	35	3
15HP1A0211	RT41025	INSTRUMENTATION	22	44	3
15HP1A0211	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	41	3
15HP1A0211	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	44	2
15HP1A0211	RT4102M	ELECTRICAL SIMULATION LAB	24	45	2
15HP1A0211	RT4102N	POWER SYSTEMS LAB	22	44	2
15HP1A0212	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	44	3
15HP1A0212	RT41022	HVAC AND DC TRANSMISSION	25	60	3
15HP1A0212	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	44	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0212	RT41025	INSTRUMENTATION	19	59	3
15HP1A0212	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	40	3
15HP1A0212	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	42	2
15HP1A0212	RT4102M	ELECTRICAL SIMULATION LAB	24	44	2
15HP1A0212	RT4102N	POWER SYSTEMS LAB	22	44	2
15HP1A0213	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	24	3
15HP1A0213	RT41022	HVAC AND DC TRANSMISSION	22	38	3
15HP1A0213	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	52	3
15HP1A0213	RT41025	INSTRUMENTATION	19	52	3
15HP1A0213	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	31	3
15HP1A0213	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	40	2
15HP1A0213	RT4102M	ELECTRICAL SIMULATION LAB	23	44	2
15HP1A0213	RT4102N	POWER SYSTEMS LAB	22	43	2
15HP1A0214	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	45	3
15HP1A0214	RT41022	HVAC AND DC TRANSMISSION	20	43	3
15HP1A0214	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	32	3
15HP1A0214	RT41025	INSTRUMENTATION	23	46	3
15HP1A0214	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	23	49	3
15HP1A0214	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	40	2
15HP1A0214	RT4102M	ELECTRICAL SIMULATION LAB	22	46	2
15HP1A0214	RT4102N	POWER SYSTEMS LAB	22	42	2
15HP1A0216	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	49	3
15HP1A0216	RT41022	HVAC AND DC TRANSMISSION	26	46	3
15HP1A0216	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	34	3
15HP1A0216	RT41025	INSTRUMENTATION	24	39	3
15HP1A0216	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	55	3
15HP1A0216	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	40	2
15HP1A0216	RT4102M	ELECTRICAL SIMULATION LAB	24	48	2
15HP1A0216	RT4102N	POWER SYSTEMS LAB	23	42	2
15HP1A0217	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	19	31	3
15HP1A0217	RT41022	HVAC AND DC TRANSMISSION	20	49	3
15HP1A0217	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	28	3
15HP1A0217	RT41025	INSTRUMENTATION	17	39	3
15HP1A0217	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	17	38	3
15HP1A0217	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
15HP1A0217	RT4102M	ELECTRICAL SIMULATION LAB	22	41	2
15HP1A0217	RT4102N	POWER SYSTEMS LAB	16	40	2
15HP1A0218	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	19	24	3
15HP1A0218	RT41022	HVAC AND DC TRANSMISSION	19	30	3
15HP1A0218	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	40	3
15HP1A0218	RT41025	INSTRUMENTATION	18	41	3
15HP1A0218	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	23	27	3
15HP1A0218	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	45	2
15HP1A0218	RT4102M	ELECTRICAL SIMULATION LAB	21	41	2
15HP1A0218	RT4102N	POWER SYSTEMS LAB	20	44	2
15HP1A0220	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	39	3
15HP1A0220	RT41022	HVAC AND DC TRANSMISSION	23	46	3
15HP1A0220	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	36	3
15HP1A0220	RT41025	INSTRUMENTATION	18	41	3
15HP1A0220	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	41	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0220	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	40	2
15HP1A0220	RT4102M	ELECTRICAL SIMULATION LAB	22	45	2
15HP1A0220	RT4102N	POWER SYSTEMS LAB	22	44	2
15HP1A0221	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	19	8	0
15HP1A0221	RT41022	HVAC AND DC TRANSMISSION	20	24	3
15HP1A0221	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	24	3
15HP1A0221	RT41025	INSTRUMENTATION	21	26	3
15HP1A0221	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	23	30	3
15HP1A0221	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	45	2
15HP1A0221	RT4102M	ELECTRICAL SIMULATION LAB	21	47	2
15HP1A0221	RT4102N	POWER SYSTEMS LAB	17	42	2
15HP1A0222	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	20	27	3
15HP1A0222	RT41022	HVAC AND DC TRANSMISSION	16	49	3
15HP1A0222	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	11	0
15HP1A0222	RT41025	INSTRUMENTATION	14	27	3
15HP1A0222	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	20	16	0
15HP1A0222	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	35	2
15HP1A0222	RT4102M	ELECTRICAL SIMULATION LAB	20	30	2
15HP1A0222	RT4102N	POWER SYSTEMS LAB	14	32	2
15HP1A0225	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	20	24	3
15HP1A0225	RT41022	HVAC AND DC TRANSMISSION	24	25	3
15HP1A0225	RT41023	POWER SYSTEM OPERATION AND CONTROL	18	11	0
15HP1A0225	RT41025	INSTRUMENTATION	10	20	0
15HP1A0225	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	13	0
15HP1A0225	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	35	2
15HP1A0225	RT4102M	ELECTRICAL SIMULATION LAB	18	35	2
15HP1A0225	RT4102N	POWER SYSTEMS LAB	19	40	2
15HP1A0227	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	23	32	3
15HP1A0227	RT41022	HVAC AND DC TRANSMISSION	18	31	3
15HP1A0227	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	47	3
15HP1A0227	RT41025	INSTRUMENTATION	16	42	3
15HP1A0227	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	51	3
15HP1A0227	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	40	2
15HP1A0227	RT4102M	ELECTRICAL SIMULATION LAB	22	35	2
15HP1A0227	RT4102N	POWER SYSTEMS LAB	19	42	2
15HP1A0228	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	52	3
15HP1A0228	RT41022	HVAC AND DC TRANSMISSION	21	40	3
15HP1A0228	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	28	3
15HP1A0228	RT41025	INSTRUMENTATION	20	31	3
15HP1A0228	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	31	3
15HP1A0228	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	38	2
15HP1A0228	RT4102M	ELECTRICAL SIMULATION LAB	20	44	2
15HP1A0228	RT4102N	POWER SYSTEMS LAB	20	41	2
15HP1A0229	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	23	28	3
15HP1A0229	RT41022	HVAC AND DC TRANSMISSION	19	57	3
15HP1A0229	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	28	3
15HP1A0229	RT41025	INSTRUMENTATION	20	46	3
15HP1A0229	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	42	3
15HP1A0229	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	39	2
15HP1A0229	RT4102M	ELECTRICAL SIMULATION LAB	20	48	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0229	RT4102N	POWER SYSTEMS LAB	21	41	2
15HP1A0230	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	17	20	0
15HP1A0230	RT41022	HVAC AND DC TRANSMISSION	16	25	3
15HP1A0230	RT41023	POWER SYSTEM OPERATION AND CONTROL	20	4	0
15HP1A0230	RT41025	INSTRUMENTATION	12	18	0
15HP1A0230	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	19	0	0
15HP1A0230	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	30	2
15HP1A0230	RT4102M	ELECTRICAL SIMULATION LAB	18	25	2
15HP1A0230	RT4102N	POWER SYSTEMS LAB	10	42	2
15HP1A0231	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	16	3	0
15HP1A0231	RT41022	HVAC AND DC TRANSMISSION	17	0	0
15HP1A0231	RT41023	POWER SYSTEM OPERATION AND CONTROL	20	11	0
15HP1A0231	RT41025	INSTRUMENTATION	19	2	0
15HP1A0231	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	4	0
15HP1A0231	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	34	2
15HP1A0231	RT4102M	ELECTRICAL SIMULATION LAB	20	30	2
15HP1A0231	RT4102N	POWER SYSTEMS LAB	16	42	2
15HP1A0232	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	24	43	3
15HP1A0232	RT41022	HVAC AND DC TRANSMISSION	27	39	3
15HP1A0232	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	25	3
15HP1A0232	RT41025	INSTRUMENTATION	21	34	3
15HP1A0232	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	45	3
15HP1A0232	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	35	2
15HP1A0232	RT4102M	ELECTRICAL SIMULATION LAB	18	40	2
15HP1A0232	RT4102N	POWER SYSTEMS LAB	23	42	2
15HP1A0234	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	23	37	3
15HP1A0234	RT41022	HVAC AND DC TRANSMISSION	24	52	3
15HP1A0234	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	32	3
15HP1A0234	RT41025	INSTRUMENTATION	21	31	3
15HP1A0234	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	46	3
15HP1A0234	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	39	2
15HP1A0234	RT4102M	ELECTRICAL SIMULATION LAB	18	47	2
15HP1A0234	RT4102N	POWER SYSTEMS LAB	22	42	2
15HP1A0235	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	48	3
15HP1A0235	RT41022	HVAC AND DC TRANSMISSION	15	28	3
15HP1A0235	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	35	3
15HP1A0235	RT41025	INSTRUMENTATION	24	34	3
15HP1A0235	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	45	3
15HP1A0235	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	37	2
15HP1A0235	RT4102M	ELECTRICAL SIMULATION LAB	20	45	2
15HP1A0235	RT4102N	POWER SYSTEMS LAB	19	42	2
15HP1A0236	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	18	26	3
15HP1A0236	RT41022	HVAC AND DC TRANSMISSION	19	38	3
15HP1A0236	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	39	3
15HP1A0236	RT41025	INSTRUMENTATION	19	26	3
15HP1A0236	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	25	3
15HP1A0236	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	37	2
15HP1A0236	RT4102M	ELECTRICAL SIMULATION LAB	20	45	2
15HP1A0236	RT4102N	POWER SYSTEMS LAB	19	42	2
15HP1A0237	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	50	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0237	RT41022	HVAC AND DC TRANSMISSION	23	35	3
15HP1A0237	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	30	3
15HP1A0237	RT41025	INSTRUMENTATION	20	36	3
15HP1A0237	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	54	3
15HP1A0237	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	42	2
15HP1A0237	RT4102M	ELECTRICAL SIMULATION LAB	20	47	2
15HP1A0237	RT4102N	POWER SYSTEMS LAB	18	40	2
15HP1A0238	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	24	28	3
15HP1A0238	RT41022	HVAC AND DC TRANSMISSION	22	58	3
15HP1A0238	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	28	3
15HP1A0238	RT41025	INSTRUMENTATION	17	62	3
15HP1A0238	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	20	61	3
15HP1A0238	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	45	2
15HP1A0238	RT4102M	ELECTRICAL SIMULATION LAB	13	48	2
15HP1A0238	RT4102N	POWER SYSTEMS LAB	18	42	2
15HP1A0239	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	0	0
15HP1A0239	RT41022	HVAC AND DC TRANSMISSION	18	33	3
15HP1A0239	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	10	0
15HP1A0239	RT41025	INSTRUMENTATION	21	48	3
15HP1A0239	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	16	17	0
15HP1A0239	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	31	2
15HP1A0239	RT4102M	ELECTRICAL SIMULATION LAB	13	42	2
15HP1A0239	RT4102N	POWER SYSTEMS LAB	17	42	2
15HP1A0240	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	19	37	3
15HP1A0240	RT41022	HVAC AND DC TRANSMISSION	20	30	3
15HP1A0240	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	24	3
15HP1A0240	RT41025	INSTRUMENTATION	22	45	3
15HP1A0240	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	18	29	3
15HP1A0240	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	37	2
15HP1A0240	RT4102M	ELECTRICAL SIMULATION LAB	13	42	2
15HP1A0240	RT4102N	POWER SYSTEMS LAB	17	42	2
15HP1A0242	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	18	34	3
15HP1A0242	RT41022	HVAC AND DC TRANSMISSION	22	31	3
15HP1A0242	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	26	3
15HP1A0242	RT41025	INSTRUMENTATION	20	30	3
15HP1A0242	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	20	24	3
15HP1A0242	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	35	2
15HP1A0242	RT4102M	ELECTRICAL SIMULATION LAB	16	35	2
15HP1A0242	RT4102N	POWER SYSTEMS LAB	17	41	2
15HP1A0243	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	18	26	3
15HP1A0243	RT41022	HVAC AND DC TRANSMISSION	16	24	3
15HP1A0243	RT41023	POWER SYSTEM OPERATION AND CONTROL	20	28	3
15HP1A0243	RT41025	INSTRUMENTATION	8	26	0
15HP1A0243	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	18	31	3
15HP1A0243	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	32	2
15HP1A0243	RT4102M	ELECTRICAL SIMULATION LAB	13	40	2
15HP1A0243	RT4102N	POWER SYSTEMS LAB	16	42	2
15HP1A0244	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	17	35	3
15HP1A0244	RT41022	HVAC AND DC TRANSMISSION	20	28	3
15HP1A0244	RT41023	POWER SYSTEM OPERATION AND CONTROL	28	62	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0244	RT41025	INSTRUMENTATION	19	28	3
15HP1A0244	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	32	3
15HP1A0244	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	40	2
15HP1A0244	RT4102M	ELECTRICAL SIMULATION LAB	22	47	2
15HP1A0244	RT4102N	POWER SYSTEMS LAB	19	41	2
15HP1A0301	RT41031	AUTOMOBILE ENGINEERING	13	27	3
15HP1A0301	RT41032	CAD / CAM	9	32	3
15HP1A0301	RT41033	FINITE ELEMENT METHODS	10	17	0
15HP1A0301	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	16	0
15HP1A0301	RT41035	MEMS	19	26	3
15HP1A0301	RT41039	AUTOMATION IN MANUFACTURING	17	27	3
15HP1A0301	RT4103L	SIMULATION LAB	20	20	2
15HP1A0301	RT4103M	DESIGN FABRICATION PROJECT	35	0	1
15HP1A0303	RT41031	AUTOMOBILE ENGINEERING	20	70	3
15HP1A0303	RT41032	CAD / CAM	14	30	3
15HP1A0303	RT41033	FINITE ELEMENT METHODS	16	26	3
15HP1A0303	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	37	3
15HP1A0303	RT41035	MEMS	21	36	3
15HP1A0303	RT41039	AUTOMATION IN MANUFACTURING	23	46	3
15HP1A0303	RT4103L	SIMULATION LAB	23	19	2
15HP1A0303	RT4103M	DESIGN FABRICATION PROJECT	30	0	1
15HP1A0304	RT41031	AUTOMOBILE ENGINEERING	18	27	3
15HP1A0304	RT41032	CAD / CAM	14	26	3
15HP1A0304	RT41033	FINITE ELEMENT METHODS	16	31	3
15HP1A0304	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	31	3
15HP1A0304	RT41035	MEMS	18	13	0
15HP1A0304	RT41039	AUTOMATION IN MANUFACTURING	16	30	3
15HP1A0304	RT4103L	SIMULATION LAB	22	33	2
15HP1A0304	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
15HP1A0305	RT41031	AUTOMOBILE ENGINEERING	20	35	3
15HP1A0305	RT41032	CAD / CAM	16	13	0
15HP1A0305	RT41033	FINITE ELEMENT METHODS	15	11	0
15HP1A0305	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	41	3
15HP1A0305	RT41035	MEMS	18	41	3
15HP1A0305	RT41039	AUTOMATION IN MANUFACTURING	19	32	3
15HP1A0305	RT4103L	SIMULATION LAB	20	23	2
15HP1A0305	RT4103M	DESIGN FABRICATION PROJECT	35	0	1
15HP1A0306	RT41031	AUTOMOBILE ENGINEERING	10	24	0
15HP1A0306	RT41032	CAD / CAM	10	27	0
15HP1A0306	RT41033	FINITE ELEMENT METHODS	12	15	0
15HP1A0306	RT41034	UNCONVENTIONAL MACHINING PROCESSES	12	20	0
15HP1A0306	RT41035	MEMS	19	10	0
15HP1A0306	RT41039	AUTOMATION IN MANUFACTURING	16	9	0
15HP1A0306	RT4103L	SIMULATION LAB	15	20	2
15HP1A0306	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
15HP1A0307	RT41031	AUTOMOBILE ENGINEERING	21	41	3
15HP1A0307	RT41032	CAD / CAM	7	33	3
15HP1A0307	RT41033	FINITE ELEMENT METHODS	12	34	3
15HP1A0307	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	30	3
15HP1A0307	RT41035	MEMS	24	24	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0307	RT41039	AUTOMATION IN MANUFACTURING	23	30	3
15HP1A0307	RT4103L	SIMULATION LAB	21	27	2
15HP1A0307	RT4103M	DESIGN FABRICATION PROJECT	35	0	1
15HP1A0308	RT41031	AUTOMOBILE ENGINEERING	9	14	0
15HP1A0308	RT41032	CAD / CAM	7	15	0
15HP1A0308	RT41033	FINITE ELEMENT METHODS	7	8	0
15HP1A0308	RT41034	UNCONVENTIONAL MACHINING PROCESSES	12	11	0
15HP1A0308	RT41035	MEMS	14	7	0
15HP1A0308	RT41039	AUTOMATION IN MANUFACTURING	11	11	0
15HP1A0308	RT4103L	SIMULATION LAB	13	29	2
15HP1A0308	RT4103M	DESIGN FABRICATION PROJECT	30	0	1
15HP1A0309	RT41031	AUTOMOBILE ENGINEERING	14	31	3
15HP1A0309	RT41032	CAD / CAM	9	31	3
15HP1A0309	RT41033	FINITE ELEMENT METHODS	11	9	0
15HP1A0309	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	33	3
15HP1A0309	RT41035	MEMS	21	38	3
15HP1A0309	RT41039	AUTOMATION IN MANUFACTURING	16	32	3
15HP1A0309	RT4103L	SIMULATION LAB	18	29	2
15HP1A0309	RT4103M	DESIGN FABRICATION PROJECT	29	0	1
15HP1A0310	RT41031	AUTOMOBILE ENGINEERING	24	34	3
15HP1A0310	RT41032	CAD / CAM	14	49	3
15HP1A0310	RT41033	FINITE ELEMENT METHODS	19	36	3
15HP1A0310	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	29	3
15HP1A0310	RT41035	MEMS	19	36	3
15HP1A0310	RT41039	AUTOMATION IN MANUFACTURING	17	47	3
15HP1A0310	RT4103L	SIMULATION LAB	21	43	2
15HP1A0310	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
15HP1A0311	RT41031	AUTOMOBILE ENGINEERING	23	65	3
15HP1A0311	RT41032	CAD / CAM	16	41	3
15HP1A0311	RT41033	FINITE ELEMENT METHODS	18	41	3
15HP1A0311	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	36	3
15HP1A0311	RT41035	MEMS	23	28	3
15HP1A0311	RT41039	AUTOMATION IN MANUFACTURING	24	37	3
15HP1A0311	RT4103L	SIMULATION LAB	21	29	2
15HP1A0311	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
15HP1A0312	RT41031	AUTOMOBILE ENGINEERING	23	24	3
15HP1A0312	RT41032	CAD / CAM	16	36	3
15HP1A0312	RT41033	FINITE ELEMENT METHODS	23	50	3
15HP1A0312	RT41034	UNCONVENTIONAL MACHINING PROCESSES	27	41	3
15HP1A0312	RT41035	MEMS	17	28	3
15HP1A0312	RT41039	AUTOMATION IN MANUFACTURING	24	51	3
15HP1A0312	RT4103L	SIMULATION LAB	22	44	2
15HP1A0312	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
15HP1A0313	RT41031	AUTOMOBILE ENGINEERING	23	34	3
15HP1A0313	RT41032	CAD / CAM	19	27	3
15HP1A0313	RT41033	FINITE ELEMENT METHODS	17	10	0
15HP1A0313	RT41034	UNCONVENTIONAL MACHINING PROCESSES	27	40	3
15HP1A0313	RT41035	MEMS	23	24	3
15HP1A0313	RT41039	AUTOMATION IN MANUFACTURING	26	29	3
15HP1A0313	RT4103L	SIMULATION LAB	19	31	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0313	RT4103M	DESIGN FABRICATION PROJECT	39	0	1
15HP1A0315	RT41031	AUTOMOBILE ENGINEERING	14	33	3
15HP1A0315	RT41032	CAD / CAM	11	33	3
15HP1A0315	RT41033	FINITE ELEMENT METHODS	9	0	0
15HP1A0315	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	9	0
15HP1A0315	RT41035	MEMS	18	0	0
15HP1A0315	RT41039	AUTOMATION IN MANUFACTURING	19	24	3
15HP1A0315	RT4103L	SIMULATION LAB	17	31	2
15HP1A0315	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
15HP1A0316	RT41031	AUTOMOBILE ENGINEERING	15	49	3
15HP1A0316	RT41032	CAD / CAM	8	13	0
15HP1A0316	RT41033	FINITE ELEMENT METHODS	15	35	3
15HP1A0316	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	34	3
15HP1A0316	RT41035	MEMS	20	28	3
15HP1A0316	RT41039	AUTOMATION IN MANUFACTURING	16	42	3
15HP1A0316	RT4103L	SIMULATION LAB	16	44	2
15HP1A0316	RT4103M	DESIGN FABRICATION PROJECT	33	0	1
15HP1A0317	RT41031	AUTOMOBILE ENGINEERING	19	15	0
15HP1A0317	RT41032	CAD / CAM	11	29	3
15HP1A0317	RT41033	FINITE ELEMENT METHODS	13	0	0
15HP1A0317	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	45	3
15HP1A0317	RT41035	MEMS	18	20	0
15HP1A0317	RT41039	AUTOMATION IN MANUFACTURING	17	41	3
15HP1A0317	RT4103L	SIMULATION LAB	17	23	2
15HP1A0317	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
15HP1A0318	RT41031	AUTOMOBILE ENGINEERING	20	30	3
15HP1A0318	RT41032	CAD / CAM	14	27	3
15HP1A0318	RT41033	FINITE ELEMENT METHODS	14	10	0
15HP1A0318	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	41	3
15HP1A0318	RT41035	MEMS	20	54	3
15HP1A0318	RT41039	AUTOMATION IN MANUFACTURING	20	24	3
15HP1A0318	RT4103L	SIMULATION LAB	20	36	2
15HP1A0318	RT4103M	DESIGN FABRICATION PROJECT	35	0	1
15HP1A0320	RT41031	AUTOMOBILE ENGINEERING	22	37	3
15HP1A0320	RT41032	CAD / CAM	19	49	3
15HP1A0320	RT41033	FINITE ELEMENT METHODS	19	30	3
15HP1A0320	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	17	0
15HP1A0320	RT41035	MEMS	20	30	3
15HP1A0320	RT41039	AUTOMATION IN MANUFACTURING	20	50	3
15HP1A0320	RT4103L	SIMULATION LAB	21	38	2
15HP1A0320	RT4103M	DESIGN FABRICATION PROJECT	35	0	1
15HP1A0321	RT41031	AUTOMOBILE ENGINEERING	23	67	3
15HP1A0321	RT41032	CAD / CAM	19	24	3
15HP1A0321	RT41033	FINITE ELEMENT METHODS	25	51	3
15HP1A0321	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	30	3
15HP1A0321	RT41035	MEMS	20	34	3
15HP1A0321	RT41039	AUTOMATION IN MANUFACTURING	22	41	3
15HP1A0321	RT4103L	SIMULATION LAB	21	46	2
15HP1A0321	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
	RT41031	AUTOMOBILE ENGINEERING	22	24	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0323	RT41032	CAD / CAM	21	29	3
15HP1A0323	RT41033	FINITE ELEMENT METHODS	18	30	3
15HP1A0323	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	32	3
15HP1A0323	RT41035	MEMS	22	26	3
15HP1A0323	RT41039	AUTOMATION IN MANUFACTURING	16	30	3
15HP1A0323	RT4103L	SIMULATION LAB	21	28	2
15HP1A0323	RT4103M	DESIGN FABRICATION PROJECT	41	0	1
15HP1A0324	RT41031	AUTOMOBILE ENGINEERING	24	39	3
15HP1A0324	RT41032	CAD / CAM	21	31	3
15HP1A0324	RT41033	FINITE ELEMENT METHODS	22	9	0
15HP1A0324	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	45	3
15HP1A0324	RT41035	MEMS	19	42	3
15HP1A0324	RT41039	AUTOMATION IN MANUFACTURING	22	29	3
15HP1A0324	RT4103L	SIMULATION LAB	24	36	2
15HP1A0324	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
15HP1A0325	RT41031	AUTOMOBILE ENGINEERING	12	32	3
15HP1A0325	RT41032	CAD / CAM	7	26	0
15HP1A0325	RT41033	FINITE ELEMENT METHODS	6	7	0
15HP1A0325	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	12	0
15HP1A0325	RT41035	MEMS	12	12	0
15HP1A0325	RT41039	AUTOMATION IN MANUFACTURING	11	15	0
15HP1A0325	RT4103L	SIMULATION LAB	9	12	0
15HP1A0325	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
15HP1A0326	RT41031	AUTOMOBILE ENGINEERING	9	7	0
15HP1A0326	RT41032	CAD / CAM	7	6	0
15HP1A0326	RT41033	FINITE ELEMENT METHODS	8	0	0
15HP1A0326	RT41034	UNCONVENTIONAL MACHINING PROCESSES	15	7	0
15HP1A0326	RT41035	MEMS	11	3	0
15HP1A0326	RT41039	AUTOMATION IN MANUFACTURING	10	28	0
15HP1A0326	RT4103L	SIMULATION LAB	22	32	2
15HP1A0326	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
15HP1A0329	RT41031	AUTOMOBILE ENGINEERING	23	36	3
15HP1A0329	RT41032	CAD / CAM	18	31	3
15HP1A0329	RT41033	FINITE ELEMENT METHODS	13	40	3
15HP1A0329	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	42	3
15HP1A0329	RT41035	MEMS	15	40	3
15HP1A0329	RT41039	AUTOMATION IN MANUFACTURING	22	50	3
15HP1A0329	RT4103L	SIMULATION LAB	19	36	2
15HP1A0329	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
15HP1A0331	RT41031	AUTOMOBILE ENGINEERING	14	24	0
15HP1A0331	RT41032	CAD / CAM	10	11	0
15HP1A0331	RT41033	FINITE ELEMENT METHODS	12	6	0
15HP1A0331	RT41034	UNCONVENTIONAL MACHINING PROCESSES	10	30	3
15HP1A0331	RT41035	MEMS	11	29	3
15HP1A0331	RT41039	AUTOMATION IN MANUFACTURING	10	24	0
15HP1A0331	RT4103L	SIMULATION LAB	19	26	2
15HP1A0331	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
15HP1A0332	RT41031	AUTOMOBILE ENGINEERING	17	31	3
15HP1A0332	RT41032	CAD / CAM	13	29	3
15HP1A0332	RT41033	FINITE ELEMENT METHODS	12	30	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0332	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	34	3
15HP1A0332	RT41035	MEMS	21	32	3
15HP1A0332	RT41039	AUTOMATION IN MANUFACTURING	20	32	3
15HP1A0332	RT4103L	SIMULATION LAB	18	24	2
15HP1A0332	RT4103M	DESIGN FABRICATION PROJECT	30	0	1
15HP1A0333	RT41031	AUTOMOBILE ENGINEERING	24	46	3
15HP1A0333	RT41032	CAD / CAM	10	19	0
15HP1A0333	RT41033	FINITE ELEMENT METHODS	13	18	0
15HP1A0333	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	32	3
15HP1A0333	RT41035	MEMS	18	26	3
15HP1A0333	RT41039	AUTOMATION IN MANUFACTURING	17	41	3
15HP1A0333	RT4103L	SIMULATION LAB	23	27	2
15HP1A0333	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
15HP1A0334	RT41031	AUTOMOBILE ENGINEERING	25	28	3
15HP1A0334	RT41032	CAD / CAM	19	34	3
15HP1A0334	RT41033	FINITE ELEMENT METHODS	20	42	3
15HP1A0334	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	42	3
15HP1A0334	RT41035	MEMS	24	52	3
15HP1A0334	RT41039	AUTOMATION IN MANUFACTURING	22	48	3
15HP1A0334	RT4103L	SIMULATION LAB	23	39	2
15HP1A0334	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
15HP1A0336	RT41031	AUTOMOBILE ENGINEERING	15	37	3
15HP1A0336	RT41032	CAD / CAM	14	30	3
15HP1A0336	RT41033	FINITE ELEMENT METHODS	15	10	0
15HP1A0336	RT41034	UNCONVENTIONAL MACHINING PROCESSES	13	42	3
15HP1A0336	RT41035	MEMS	18	37	3
15HP1A0336	RT41039	AUTOMATION IN MANUFACTURING	20	36	3
15HP1A0336	RT4103L	SIMULATION LAB	20	24	2
15HP1A0336	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
15HP1A0337	RT41031	AUTOMOBILE ENGINEERING	14	32	3
15HP1A0337	RT41032	CAD / CAM	12	37	3
15HP1A0337	RT41033	FINITE ELEMENT METHODS	25	25	3
15HP1A0337	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	36	3
15HP1A0337	RT41035	MEMS	22	24	3
15HP1A0337	RT41039	AUTOMATION IN MANUFACTURING	21	37	3
15HP1A0337	RT4103L	SIMULATION LAB	21	30	2
15HP1A0337	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
15HP1A0338	RT41031	AUTOMOBILE ENGINEERING	18	60	3
15HP1A0338	RT41032	CAD / CAM	14	26	3
15HP1A0338	RT41033	FINITE ELEMENT METHODS	15	34	3
15HP1A0338	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	35	3
15HP1A0338	RT41035	MEMS	20	26	3
15HP1A0338	RT41039	AUTOMATION IN MANUFACTURING	17	34	3
15HP1A0338	RT4103L	SIMULATION LAB	24	14	0
15HP1A0338	RT4103M	DESIGN FABRICATION PROJECT	34	0	1
15HP1A0339	RT41031	AUTOMOBILE ENGINEERING	17	13	0
15HP1A0339	RT41032	CAD / CAM	10	24	0
15HP1A0339	RT41033	FINITE ELEMENT METHODS	15	28	3
15HP1A0339	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	30	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0339	RT41039	AUTOMATION IN MANUFACTURING	11	32	3
15HP1A0339	RT4103L	SIMULATION LAB	20	22	2
15HP1A0339	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
15HP1A0340	RT41031	AUTOMOBILE ENGINEERING	14	29	3
15HP1A0340	RT41032	CAD / CAM	14	27	3
15HP1A0340	RT41033	FINITE ELEMENT METHODS	17	10	0
15HP1A0340	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	36	3
15HP1A0340	RT41035	MEMS	18	7	0
15HP1A0340	RT41039	AUTOMATION IN MANUFACTURING	14	12	0
15HP1A0340	RT4103L	SIMULATION LAB	15	28	2
15HP1A0340	RT4103M	DESIGN FABRICATION PROJECT	34	0	1
15HP1A0341	RT41031	AUTOMOBILE ENGINEERING	16	24	3
15HP1A0341	RT41032	CAD / CAM	11	39	3
15HP1A0341	RT41033	FINITE ELEMENT METHODS	17	24	3
15HP1A0341	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	31	3
15HP1A0341	RT41035	MEMS	21	24	3
15HP1A0341	RT41039	AUTOMATION IN MANUFACTURING	16	17	0
15HP1A0341	RT4103L	SIMULATION LAB	15	23	2
15HP1A0341	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
15HP1A0342	RT41031	AUTOMOBILE ENGINEERING	15	41	3
15HP1A0342	RT41032	CAD / CAM	13	21	0
15HP1A0342	RT41033	FINITE ELEMENT METHODS	19	48	3
15HP1A0342	RT41034	UNCONVENTIONAL MACHINING PROCESSES	15	18	0
15HP1A0342	RT41035	MEMS	18	24	3
15HP1A0342	RT41039	AUTOMATION IN MANUFACTURING	13	36	3
15HP1A0342	RT4103L	SIMULATION LAB	23	28	2
15HP1A0342	RT4103M	DESIGN FABRICATION PROJECT	34	0	1
15HP1A0343	RT41031	AUTOMOBILE ENGINEERING	23	24	3
15HP1A0343	RT41032	CAD / CAM	17	30	3
15HP1A0343	RT41033	FINITE ELEMENT METHODS	18	16	0
15HP1A0343	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	35	3
15HP1A0343	RT41035	MEMS	20	36	3
15HP1A0343	RT41039	AUTOMATION IN MANUFACTURING	21	44	3
15HP1A0343	RT4103L	SIMULATION LAB	19	32	2
15HP1A0343	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
15HP1A0344	RT41031	AUTOMOBILE ENGINEERING	15	45	3
15HP1A0344	RT41032	CAD / CAM	16	39	3
15HP1A0344	RT41033	FINITE ELEMENT METHODS	21	13	0
15HP1A0344	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	49	3
15HP1A0344	RT41035	MEMS	19	45	3
15HP1A0344	RT41039	AUTOMATION IN MANUFACTURING	15	33	3
15HP1A0344	RT4103L	SIMULATION LAB	15	37	2
15HP1A0344	RT4103M	DESIGN FABRICATION PROJECT	34	0	1
15HP1A0345	RT41031	AUTOMOBILE ENGINEERING	15	25	3
15HP1A0345	RT41032	CAD / CAM	11	30	3
15HP1A0345	RT41033	FINITE ELEMENT METHODS	10	7	0
15HP1A0345	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	17	0
15HP1A0345	RT41035	MEMS	16	24	3
15HP1A0345	RT41039	AUTOMATION IN MANUFACTURING	21	26	3
15HP1A0345	RT4103L	SIMULATION LAB	18	25	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0345	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
15HP1A0346	RT41031	AUTOMOBILE ENGINEERING	24	56	3
15HP1A0346	RT41032	CAD / CAM	15	25	3
15HP1A0346	RT41033	FINITE ELEMENT METHODS	25	36	3
15HP1A0346	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	43	3
15HP1A0346	RT41035	MEMS	21	35	3
15HP1A0346	RT41039	AUTOMATION IN MANUFACTURING	21	30	3
15HP1A0346	RT4103L	SIMULATION LAB	23	30	2
15HP1A0346	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
15HP1A0347	RT41031	AUTOMOBILE ENGINEERING	26	40	3
15HP1A0347	RT41032	CAD / CAM	13	36	3
15HP1A0347	RT41033	FINITE ELEMENT METHODS	19	42	3
15HP1A0347	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	35	3
15HP1A0347	RT41035	MEMS	16	36	3
15HP1A0347	RT41039	AUTOMATION IN MANUFACTURING	26	41	3
15HP1A0347	RT4103L	SIMULATION LAB	21	34	2
15HP1A0347	RT4103M	DESIGN FABRICATION PROJECT	34	0	1
15HP1A0348	RT41031	AUTOMOBILE ENGINEERING	17	31	3
15HP1A0348	RT41032	CAD / CAM	10	21	0
15HP1A0348	RT41033	FINITE ELEMENT METHODS	17	8	0
15HP1A0348	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	30	3
15HP1A0348	RT41035	MEMS	21	4	0
15HP1A0348	RT41039	AUTOMATION IN MANUFACTURING	17	38	3
15HP1A0348	RT4103L	SIMULATION LAB	17	25	2
15HP1A0348	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
15HP1A0349	RT41031	AUTOMOBILE ENGINEERING	18	35	3
15HP1A0349	RT41032	CAD / CAM	13	33	3
15HP1A0349	RT41033	FINITE ELEMENT METHODS	22	11	0
15HP1A0349	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	27	3
15HP1A0349	RT41035	MEMS	19	30	3
15HP1A0349	RT41039	AUTOMATION IN MANUFACTURING	25	43	3
15HP1A0349	RT4103L	SIMULATION LAB	18	23	2
15HP1A0349	RT4103M	DESIGN FABRICATION PROJECT	30	0	1
15HP1A0350	RT41031	AUTOMOBILE ENGINEERING	25	70	3
15HP1A0350	RT41032	CAD / CAM	21	39	3
15HP1A0350	RT41033	FINITE ELEMENT METHODS	24	53	3
15HP1A0350	RT41034	UNCONVENTIONAL MACHINING PROCESSES	27	29	3
15HP1A0350	RT41035	MEMS	22	41	3
15HP1A0350	RT41039	AUTOMATION IN MANUFACTURING	23	54	3
15HP1A0350	RT4103L	SIMULATION LAB	19	29	2
15HP1A0350	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
15HP1A0352	RT41031	AUTOMOBILE ENGINEERING	18	13	0
15HP1A0352	RT41032	CAD / CAM	10	30	3
15HP1A0352	RT41033	FINITE ELEMENT METHODS	19	18	0
15HP1A0352	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	30	3
15HP1A0352	RT41035	MEMS	20	13	0
15HP1A0352	RT41039	AUTOMATION IN MANUFACTURING	17	30	3
15HP1A0352	RT4103L	SIMULATION LAB	17	14	0
15HP1A0352	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
15HP1A0354	RT41031	AUTOMOBILE ENGINEERING	21	30	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0354	RT41032	CAD / CAM	16	38	3
15HP1A0354	RT41033	FINITE ELEMENT METHODS	20	14	0
15HP1A0354	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	44	3
15HP1A0354	RT41035	MEMS	22	42	3
15HP1A0354	RT41039	AUTOMATION IN MANUFACTURING	20	42	3
15HP1A0354	RT4103L	SIMULATION LAB	23	39	2
15HP1A0354	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
15HP1A0357	RT41031	AUTOMOBILE ENGINEERING	21	33	3
15HP1A0357	RT41032	CAD / CAM	13	37	3
15HP1A0357	RT41033	FINITE ELEMENT METHODS	15	25	3
15HP1A0357	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	32	3
15HP1A0357	RT41035	MEMS	19	4	0
15HP1A0357	RT41039	AUTOMATION IN MANUFACTURING	17	24	3
15HP1A0357	RT4103L	SIMULATION LAB	21	30	2
15HP1A0357	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
15HP1A0358	RT41031	AUTOMOBILE ENGINEERING	20	17	0
15HP1A0358	RT41032	CAD / CAM	10	30	3
15HP1A0358	RT41033	FINITE ELEMENT METHODS	17	14	0
15HP1A0358	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	29	3
15HP1A0358	RT41035	MEMS	18	30	3
15HP1A0358	RT41039	AUTOMATION IN MANUFACTURING	21	34	3
15HP1A0358	RT4103L	SIMULATION LAB	22	32	2
15HP1A0358	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
15HP1A0361	RT41031	AUTOMOBILE ENGINEERING	21	33	3
15HP1A0361	RT41032	CAD / CAM	13	28	3
15HP1A0361	RT41033	FINITE ELEMENT METHODS	13	31	3
15HP1A0361	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	37	3
15HP1A0361	RT41036	NANO TECHNOLOGY	18	48	3
15HP1A0361	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	22	26	3
15HP1A0361	RT4103L	SIMULATION LAB	19	24	2
15HP1A0361	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
15HP1A0362	RT41031	AUTOMOBILE ENGINEERING	22	42	3
15HP1A0362	RT41032	CAD / CAM	16	41	3
15HP1A0362	RT41033	FINITE ELEMENT METHODS	27	24	3
15HP1A0362	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	49	3
15HP1A0362	RT41036	NANO TECHNOLOGY	20	59	3
15HP1A0362	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	24	43	3
15HP1A0362	RT4103L	SIMULATION LAB	20	32	2
15HP1A0362	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
15HP1A0364	RT41031	AUTOMOBILE ENGINEERING	28	46	3
15HP1A0364	RT41032	CAD / CAM	23	42	3
15HP1A0364	RT41033	FINITE ELEMENT METHODS	24	49	3
15HP1A0364	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	54	3
15HP1A0364	RT41036	NANO TECHNOLOGY	25	31	3
15HP1A0364	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	28	39	3
15HP1A0364	RT4103L	SIMULATION LAB	18	43	2
15HP1A0364	RT4103M	DESIGN FABRICATION PROJECT	34	0	1
15HP1A0365	RT41031	AUTOMOBILE ENGINEERING	22	24	3
15HP1A0365	RT41032	CAD / CAM	18	13	0
15HP1A0365	RT41033	FINITE ELEMENT METHODS	17	24	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0365	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	32	3
15HP1A0365	RT41036	NANO TECHNOLOGY	20	28	3
15HP1A0365	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	25	24	3
15HP1A0365	RT4103L	SIMULATION LAB	19	33	2
15HP1A0365	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
15HP1A0366	RT41031	AUTOMOBILE ENGINEERING	21	28	3
15HP1A0366	RT41032	CAD / CAM	18	19	0
15HP1A0366	RT41033	FINITE ELEMENT METHODS	13	0	0
15HP1A0366	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	31	3
15HP1A0366	RT41036	NANO TECHNOLOGY	17	36	3
15HP1A0366	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	24	3
15HP1A0366	RT4103L	SIMULATION LAB	17	24	2
15HP1A0366	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
15HP1A0367	RT41031	AUTOMOBILE ENGINEERING	20	36	3
15HP1A0367	RT41032	CAD / CAM	17	33	3
15HP1A0367	RT41033	FINITE ELEMENT METHODS	19	14	0
15HP1A0367	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	48	3
15HP1A0367	RT41036	NANO TECHNOLOGY	19	43	3
15HP1A0367	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	28	3
15HP1A0367	RT4103L	SIMULATION LAB	19	41	2
15HP1A0367	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
15HP1A0368	RT41031	AUTOMOBILE ENGINEERING	20	40	3
15HP1A0368	RT41032	CAD / CAM	18	42	3
15HP1A0368	RT41033	FINITE ELEMENT METHODS	19	36	3
15HP1A0368	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	31	3
15HP1A0368	RT41036	NANO TECHNOLOGY	22	31	3
15HP1A0368	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	25	31	3
15HP1A0368	RT4103L	SIMULATION LAB	20	30	2
15HP1A0368	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
15HP1A0369	RT41031	AUTOMOBILE ENGINEERING	15	40	3
15HP1A0369	RT41032	CAD / CAM	16	18	0
15HP1A0369	RT41033	FINITE ELEMENT METHODS	14	18	0
15HP1A0369	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	18	0
15HP1A0369	RT41036	NANO TECHNOLOGY	16	10	0
15HP1A0369	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	24	3
15HP1A0369	RT4103L	SIMULATION LAB	17	20	2
15HP1A0369	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
15HP1A0370	RT41031	AUTOMOBILE ENGINEERING	23	24	3
15HP1A0370	RT41032	CAD / CAM	18	36	3
15HP1A0370	RT41033	FINITE ELEMENT METHODS	17	47	3
15HP1A0370	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	36	3
15HP1A0370	RT41036	NANO TECHNOLOGY	17	50	3
15HP1A0370	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	23	35	3
15HP1A0370	RT4103L	SIMULATION LAB	16	41	2
15HP1A0370	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
15HP1A0372	RT41031	AUTOMOBILE ENGINEERING	27	39	3
15HP1A0372	RT41032	CAD / CAM	24	43	3
15HP1A0372	RT41033	FINITE ELEMENT METHODS	27	13	0
15HP1A0372	RT41034	UNCONVENTIONAL MACHINING PROCESSES	28	51	3
15HP1A0372	RT41036	NANO TECHNOLOGY	26	63	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0372	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	27	44	3
15HP1A0372	RT4103L	SIMULATION LAB	24	44	2
15HP1A0372	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
15HP1A0374	RT41031	AUTOMOBILE ENGINEERING	20	38	3
15HP1A0374	RT41032	CAD / CAM	16	35	3
15HP1A0374	RT41033	FINITE ELEMENT METHODS	19	25	3
15HP1A0374	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	28	3
15HP1A0374	RT41036	NANO TECHNOLOGY	19	35	3
15HP1A0374	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	24	34	3
15HP1A0374	RT4103L	SIMULATION LAB	20	29	2
15HP1A0374	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
15HP1A0378	RT41031	AUTOMOBILE ENGINEERING	21	40	3
15HP1A0378	RT41032	CAD / CAM	15	19	0
15HP1A0378	RT41033	FINITE ELEMENT METHODS	19	33	3
15HP1A0378	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	14	0
15HP1A0378	RT41036	NANO TECHNOLOGY	22	13	0
15HP1A0378	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	24	3
15HP1A0378	RT4103L	SIMULATION LAB	20	33	2
15HP1A0378	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
15HP1A0379	RT41031	AUTOMOBILE ENGINEERING	21	25	3
15HP1A0379	RT41032	CAD / CAM	20	24	3
15HP1A0379	RT41033	FINITE ELEMENT METHODS	22	33	3
15HP1A0379	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	30	3
15HP1A0379	RT41036	NANO TECHNOLOGY	19	40	3
15HP1A0379	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	23	33	3
15HP1A0379	RT4103L	SIMULATION LAB	18	31	2
15HP1A0379	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
15HP1A0380	RT41031	AUTOMOBILE ENGINEERING	22	44	3
15HP1A0380	RT41032	CAD / CAM	13	34	3
15HP1A0380	RT41033	FINITE ELEMENT METHODS	16	12	0
15HP1A0380	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	39	3
15HP1A0380	RT41036	NANO TECHNOLOGY	19	58	3
15HP1A0380	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	24	48	3
15HP1A0380	RT4103L	SIMULATION LAB	23	28	2
15HP1A0380	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
15HP1A0381	RT41031	AUTOMOBILE ENGINEERING	16	35	3
15HP1A0381	RT41032	CAD / CAM	10	30	3
15HP1A0381	RT41033	FINITE ELEMENT METHODS	11	22	0
15HP1A0381	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	24	3
15HP1A0381	RT41036	NANO TECHNOLOGY	5	35	3
15HP1A0381	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	17	0
15HP1A0381	RT4103L	SIMULATION LAB	21	29	2
15HP1A0381	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
15HP1A0383	RT41031	AUTOMOBILE ENGINEERING	16	63	3
15HP1A0383	RT41032	CAD / CAM	11	12	0
15HP1A0383	RT41033	FINITE ELEMENT METHODS	16	25	3
15HP1A0383	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	32	3
15HP1A0383	RT41036	NANO TECHNOLOGY	12	37	3
15HP1A0383	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	21	29	3
	RT4103L	SIMULATION LAB	21	45	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0383	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
15HP1A0384	RT41031	AUTOMOBILE ENGINEERING	13	16	0
15HP1A0384	RT41032	CAD / CAM	11	16	0
15HP1A0384	RT41033	FINITE ELEMENT METHODS	11	6	0
15HP1A0384	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	32	3
15HP1A0384	RT41036	NANO TECHNOLOGY	11	41	3
15HP1A0384	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	24	3
15HP1A0384	RT4103L	SIMULATION LAB	16	28	2
15HP1A0384	RT4103M	DESIGN FABRICATION PROJECT	34	0	1
15HP1A0385	RT41031	AUTOMOBILE ENGINEERING	17	34	3
15HP1A0385	RT41032	CAD / CAM	17	29	3
15HP1A0385	RT41033	FINITE ELEMENT METHODS	16	8	0
15HP1A0385	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	43	3
15HP1A0385	RT41036	NANO TECHNOLOGY	20	57	3
15HP1A0385	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	42	3
15HP1A0385	RT4103L	SIMULATION LAB	23	29	2
15HP1A0385	RT4103M	DESIGN FABRICATION PROJECT	30	0	1
15HP1A0386	RT41031	AUTOMOBILE ENGINEERING	16	20	0
15HP1A0386	RT41032	CAD / CAM	11	29	3
15HP1A0386	RT41033	FINITE ELEMENT METHODS	12	9	0
15HP1A0386	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	25	3
15HP1A0386	RT41036	NANO TECHNOLOGY	6	15	0
15HP1A0386	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	18	27	3
15HP1A0386	RT4103L	SIMULATION LAB	16	29	2
15HP1A0386	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
15HP1A0387	RT41031	AUTOMOBILE ENGINEERING	21	64	3
15HP1A0387	RT41032	CAD / CAM	16	36	3
15HP1A0387	RT41033	FINITE ELEMENT METHODS	20	34	3
15HP1A0387	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	52	3
15HP1A0387	RT41036	NANO TECHNOLOGY	18	8	0
15HP1A0387	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	44	3
15HP1A0387	RT4103L	SIMULATION LAB	21	34	2
15HP1A0387	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
15HP1A0388	RT41031	AUTOMOBILE ENGINEERING	21	31	3
15HP1A0388	RT41032	CAD / CAM	17	37	3
15HP1A0388	RT41033	FINITE ELEMENT METHODS	21	48	3
15HP1A0388	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	32	3
15HP1A0388	RT41036	NANO TECHNOLOGY	25	49	3
15HP1A0388	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	25	41	3
15HP1A0388	RT4103L	SIMULATION LAB	17	35	2
15HP1A0388	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
15HP1A0389	RT41031	AUTOMOBILE ENGINEERING	21	32	3
15HP1A0389	RT41032	CAD / CAM	18	27	3
15HP1A0389	RT41033	FINITE ELEMENT METHODS	16	13	0
15HP1A0389	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	43	3
15HP1A0389	RT41036	NANO TECHNOLOGY	20	49	3
15HP1A0389	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	36	3
15HP1A0389	RT4103L	SIMULATION LAB	23	36	2
15HP1A0389	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
15HP1A0390	RT41031	AUTOMOBILE ENGINEERING	17	28	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0390	RT41032	CAD / CAM	12	30	3
15HP1A0390	RT41033	FINITE ELEMENT METHODS	14	11	0
15HP1A0390	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	33	3
15HP1A0390	RT41036	NANO TECHNOLOGY	19	16	0
15HP1A0390	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	12	37	3
15HP1A0390	RT4103L	SIMULATION LAB	15	27	2
15HP1A0390	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
15HP1A0392	RT41031	AUTOMOBILE ENGINEERING	26	70	3
15HP1A0392	RT41032	CAD / CAM	23	36	3
15HP1A0392	RT41033	FINITE ELEMENT METHODS	24	56	3
15HP1A0392	RT41034	UNCONVENTIONAL MACHINING PROCESSES	28	53	3
15HP1A0392	RT41036	NANO TECHNOLOGY	24	30	3
15HP1A0392	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	28	47	3
15HP1A0392	RT4103L	SIMULATION LAB	25	48	2
15HP1A0392	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
15HP1A0393	RT41031	AUTOMOBILE ENGINEERING	10	16	0
15HP1A0393	RT41032	CAD / CAM	12	28	3
15HP1A0393	RT41033	FINITE ELEMENT METHODS	14	11	0
15HP1A0393	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	30	3
15HP1A0393	RT41036	NANO TECHNOLOGY	6	40	3
15HP1A0393	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	27	3
15HP1A0393	RT4103L	SIMULATION LAB	18	26	2
15HP1A0393	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
15HP1A0394	RT41031	AUTOMOBILE ENGINEERING	18	44	3
15HP1A0394	RT41032	CAD / CAM	15	27	3
15HP1A0394	RT41033	FINITE ELEMENT METHODS	16	11	0
15HP1A0394	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	36	3
15HP1A0394	RT41036	NANO TECHNOLOGY	19	45	3
15HP1A0394	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	21	30	3
15HP1A0394	RT4103L	SIMULATION LAB	18	33	2
15HP1A0394	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
15HP1A0395	RT41031	AUTOMOBILE ENGINEERING	17	41	3
15HP1A0395	RT41032	CAD / CAM	15	50	3
15HP1A0395	RT41033	FINITE ELEMENT METHODS	20	41	3
15HP1A0395	RT41034	UNCONVENTIONAL MACHINING PROCESSES	27	32	3
15HP1A0395	RT41036	NANO TECHNOLOGY	19	33	3
15HP1A0395	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	22	43	3
15HP1A0395	RT4103L	SIMULATION LAB	23	43	2
15HP1A0395	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
15HP1A0396	RT41031	AUTOMOBILE ENGINEERING	18	59	3
15HP1A0396	RT41032	CAD / CAM	16	32	3
15HP1A0396	RT41033	FINITE ELEMENT METHODS	16	36	3
15HP1A0396	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	36	3
15HP1A0396	RT41036	NANO TECHNOLOGY	20	29	3
15HP1A0396	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	23	27	3
15HP1A0396	RT4103L	SIMULATION LAB	21	43	2
15HP1A0396	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
15HP1A0397	RT41031	AUTOMOBILE ENGINEERING	22	27	3
15HP1A0397	RT41032	CAD / CAM	17	24	3
15HP1A0397	RT41033	FINITE ELEMENT METHODS	20	8	0

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0397	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	30	3
15HP1A0397	RT41036	NANO TECHNOLOGY	16	28	3
15HP1A0397	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	32	3
15HP1A0397	RT4103L	SIMULATION LAB	14	38	2
15HP1A0397	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
15HP1A0398	RT41031	AUTOMOBILE ENGINEERING	26	43	3
15HP1A0398	RT41032	CAD / CAM	17	30	3
15HP1A0398	RT41033	FINITE ELEMENT METHODS	21	14	0
15HP1A0398	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	44	3
15HP1A0398	RT41036	NANO TECHNOLOGY	18	47	3
15HP1A0398	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	21	36	3
15HP1A0398	RT4103L	SIMULATION LAB	22	29	2
15HP1A0398	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
15HP1A0399	RT41031	AUTOMOBILE ENGINEERING	28	49	3
15HP1A0399	RT41032	CAD / CAM	23	54	3
15HP1A0399	RT41033	FINITE ELEMENT METHODS	24	41	3
15HP1A0399	RT41034	UNCONVENTIONAL MACHINING PROCESSES	29	49	3
15HP1A0399	RT41036	NANO TECHNOLOGY	23	52	3
15HP1A0399	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	22	38	3
15HP1A0399	RT4103L	SIMULATION LAB	17	42	2
15HP1A0399	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
15HP1A03A0	RT41031	AUTOMOBILE ENGINEERING	22	46	3
15HP1A03A0	RT41032	CAD / CAM	16	30	3
15HP1A03A0	RT41033	FINITE ELEMENT METHODS	17	24	3
15HP1A03A0	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	32	3
15HP1A03A0	RT41036	NANO TECHNOLOGY	20	26	3
15HP1A03A0	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	35	3
15HP1A03A0	RT4103L	SIMULATION LAB	14	43	2
15HP1A03A0	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
15HP1A03A1	RT41031	AUTOMOBILE ENGINEERING	24	16	0
15HP1A03A1	RT41032	CAD / CAM	13	28	3
15HP1A03A1	RT41033	FINITE ELEMENT METHODS	22	24	3
15HP1A03A1	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	30	3
15HP1A03A1	RT41036	NANO TECHNOLOGY	20	40	3
15HP1A03A1	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	26	34	3
15HP1A03A1	RT4103L	SIMULATION LAB	19	30	2
15HP1A03A1	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
15HP1A03A2	RT41031	AUTOMOBILE ENGINEERING	25	41	3
15HP1A03A2	RT41032	CAD / CAM	19	16	0
15HP1A03A2	RT41033	FINITE ELEMENT METHODS	18	11	0
15HP1A03A2	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	37	3
15HP1A03A2	RT41036	NANO TECHNOLOGY	16	34	3
15HP1A03A2	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	26	24	3
15HP1A03A2	RT4103L	SIMULATION LAB	14	25	2
15HP1A03A2	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
15HP1A03A3	RT41031	AUTOMOBILE ENGINEERING	23	48	3
15HP1A03A3	RT41032	CAD / CAM	16	51	3
15HP1A03A3	RT41033	FINITE ELEMENT METHODS	18	35	3
15HP1A03A3	RT41034	UNCONVENTIONAL MACHINING PROCESSES	28	33	3
15HP1A03A3	RT41036	NANO TECHNOLOGY	19	33	3

15HP1A03A3	Htno	Subcode	Subname	Internal	External	Credits
15HP1A03A3   RT4103M   DESIGN FABRICATION PROJECT   40	15HP1A03A3	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	23	37	3
15HP1A03A4   RT41032   AUTOMOBILE ENGINEERING   19   45   3   15HP1A03A4   RT41032   CAD / CAM   16   26   3   3   15HP1A03A4   RT41033   FINITE ELEMENT METHODS   12   19   0   0   15HP1A03A4   RT41036   NANO TECHNOLOGY   16   28   3   3   15HP1A03A4   RT41038   NANO TECHNOLOGY   16   28   3   15HP1A03A4   RT4103A   DESIGN FABRICATION PROJECT   42   0   1   15HP1A03A4   RT4103A   DESIGN FABRICATION PROJECT   42   0   1   15HP1A03A5   RT4103A   DESIGN FABRICATION PROJECT   42   0   1   15HP1A03A5   RT4103A   DESIGN FABRICATION PROJECT   42   0   1   15HP1A03A5   RT41032   CAD / CAM   17   26   3   3   15HP1A03A5   RT41033   FINITE ELEMENT METHODS   17   26   3   15HP1A03A5   RT41033   FINITE ELEMENT METHODS   15   21   0   15HP1A03A5   RT41034   DINICEDINAL MACHINING PROCESSES   23   17   0   0   15HP1A03A5   RT41034   DINICEDINAL MACHINING PROCESSES   23   17   0   0   0   15HP1A03A5   RT41034   DINICEDINAL MACHINING PROCESSES   23   17   0   0   0   0   0   0   0   0   0	15HP1A03A3	RT4103L	SIMULATION LAB	19	20	2
15HP140334   RT41032   CAD / CAM   16   26   3   3   15HP140344   RT41033   FINITE ELEMENT METHODS   12   19   0   0   15HP140344   RT41034   NIXOONVENTIONAL MACHINING PROCESSES   18   35   3   3   15HP140344   RT41034   INDUSTRIAL HYDRAULICS AND PNEUMATICS   17   32   3   3   15HP140344   RT41034   SIMULATION LAB   18   28   2   2   2   3   3   15HP140345   RT41031   AUTOMOBILE ENSINEERING   20   19   0   1   15HP140345   RT41031   AUTOMOBILE ENSINEERING   20   19   0   0   1   15HP140345   RT41032   CAD / CAM   17   26   3   3   15HP140345   RT41034   UNCONVENTIONAL MACHINING PROCESSES   23   17   0   0   1   15HP140345   RT41032   CAD / CAM   17   26   3   15HP140345   RT41034   UNCONVENTIONAL MACHINING PROCESSES   23   17   0   0   1   1   1   1   1   1   1   1	15HP1A03A3	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
15HP1A03A4   RT41034   RT41034   RT41034   RT41034   RT41034   RT41034   RT41034   RT41035   RT41036   RT41037   RT41037   RT41037   RT41038   RT41038   RT41038   RT41038   RT41038   RT41038   RT41038   RT41038   RT41032   CAD / CAM   RT41037   RT41038   RT41038   RT41038   RT41032   CAD / CAM   RT41038   RT41032   CAD / CAM   RT41038   RT41032   CAD / CAM   RT41038   RT41033   RT41033   RT41036   RT41036   RT41037   RT41038   RT4	15HP1A03A4	RT41031	AUTOMOBILE ENGINEERING	19	45	3
15HP1A03A4   RT41034   NANOTECHNOLOGY   16   28   3   3   15HP1A03A4   RT4103A   RT4103B   RT4103A   RT4103B   RT4103A   RT4103B   RT4103A   RT4103B   RT4	15HP1A03A4	RT41032	CAD / CAM	16	26	3
15HP1A03A4	15HP1A03A4	RT41033	FINITE ELEMENT METHODS	12	19	0
15HP1A03A4	15HP1A03A4	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	35	3
15HP1A03A4	15HP1A03A4	RT41036	NANO TECHNOLOGY	16	28	3
15HP1A03AA   RT4103M   DESIGN FABRICATION PROJECT   42   0	15HP1A03A4	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	32	3
15HP1A03A5	15HP1A03A4	RT4103L	SIMULATION LAB	18	28	2
15HP1A03A5	15HP1A03A4	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
15HP1A03A5   RT41034   FINITE ELEMENT METHODS   15   21   0     15HP1A03A5   RT41034   UNCONVENTIONAL MACHINING PROCESSES   23   17   0     15HP1A03A5   RT41036   NANO TECHNOLOGY   16   19   0     15HP1A03A5   RT41031   INDUSTRIAL HYDRAULICS AND PNEUMATICS   21   24   3     15HP1A03A5   RT41031   SIMULATION LAB   22   29   2     15HP1A03A6   RT41031   AUTOMOBILE ENGINEERING   21   48   3     15HP1A03A6   RT41032   CAD / CAM   18   37   3     15HP1A03A6   RT41032   FINITE ELEMENT METHODS   19   11   0     15HP1A03A6   RT41034   UNCONVENTIONAL MACHINING PROCESSES   24   51   3     15HP1A03A6   RT4103A   INDUSTRIAL HYDRAULICS AND PNEUMATICS   26   40   3     15HP1A03A6   RT4103A   INDUSTRIAL HYDRAULICS AND PNEUMATICS   26   40   3     15HP1A03A6   RT4103A   AUTOMOBILE ENGINEERING   27	15HP1A03A5	RT41031	AUTOMOBILE ENGINEERING	20	19	0
15HP1A03A5   RT41034	15HP1A03A5	RT41032	CAD / CAM	17	26	3
15HP1A03A5   RT41036   NANO TECHNOLOGY   16   19   0     15HP1A03A5   RT4103A   INDUSTRIAL HYDRAULICS AND PNEUMATICS   21   24   3     15HP1A03A5   RT4103M   DESIGN FABRICATION PROJECT   36   0   1     15HP1A03A6   RT41031   AUTOMOBILE ENGINEERING   21   48   3     15HP1A03A6   RT41032   CAD / CAM   18   37   3     15HP1A03A6   RT41032   CAD / CAM   18   37   3     15HP1A03A6   RT41034   FINITE ELEMENT METHODS   19   11   0     15HP1A03A6   RT41034   INDUSTRIAL HYDRAULICS AND PNEUMATICS   26   40   3     15HP1A03A6   RT41034   INDUSTRIAL HYDRAULICS AND PNEUMATICS   26   40   3     15HP1A03A6   RT41034   INDUSTRIAL HYDRAULICS AND PNEUMATICS   26   40   3     15HP1A03A6   RT41034   JUNCONVENTIONAL MACHINING   27   41   3     15HP1A03A7   RT41031   AUTOMOBILE ENGINEERING   27	15HP1A03A5	RT41033	FINITE ELEMENT METHODS	15	21	0
15HP1A03A5   RT4103A   INDUSTRIAL HYDRAULICS AND PNEUMATICS   21   24   3     15HP1A03A5   RT4103L   SIMULATION LAB   22   29   2     15HP1A03A6   RT4103H   DESIGN FABRICATION PROJECT   36   0   1     15HP1A03A6   RT4103L   AUTOMOBILE ENGINEERING   21   48   3     15HP1A03A6   RT4103L   CAD / CAM   18   3   3     15HP1A03A6   RT4103L   UNCONVENTIONAL MACHINING PROCESSES   24   51   3     15HP1A03A6   RT4103L   UNCONVENTIONAL MACHINING PROCESSES   24   51   3     15HP1A03A6   RT4103L   NANO TECHNOLOGY   18   39   3     15HP1A03A6   RT4103L   NANO TECHNOLOGY   18   39   3     15HP1A03A6   RT4103L   NANO TECHNOLOGY   28   0   1     15HP1A03A7   RT4103L   AUTOMOBILE ENGINEERING   27   41   3     15HP1A03A7   RT41034   UNCONVENTIONAL MACHINING PROCESSES   24   3   3	15HP1A03A5	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	17	0
15HP1A03A5   RT4103L   SIMULATION LAB   22   29   2     15HP1A03A6   RT4103M   DESIGN FABRICATION PROJECT   36   0   1     15HP1A03A6   RT41031   AUTOMOBILE ENGINEERING   21   48   3     15HP1A03A6   RT41032   CAD / CAM   18   37   3     15HP1A03A6   RT41034   UNCONVENTIONAL MACHINING PROCESSES   24   51   3     15HP1A03A6   RT41034   UNCONVENTIONAL MACHINING PROCESSES   24   51   3     15HP1A03A6   RT41034   INDUSTRIAL HYDRAULICS AND PNEUMATICS   26   40   3     15HP1A03A6   RT4103M   INDUSTRIAL HYDRAULICS AND PNEUMATICS   26   40   3     15HP1A03A6   RT4103M   DESIGN FABRICATION PROJECT   28   0   1     15HP1A03A7   RT41031   AUTOMOBILE ENGINEERING   27   41   3     15HP1A03A7   RT41034   UNCONVENTIONAL MACHINING PROCESSES   24   3   3     15HP1A03A7   RT41034   UNCONVENTIONAL MACHINING PROCESSES	15HP1A03A5	RT41036	NANO TECHNOLOGY	16	19	0
15HP1A03A5   RT4103M   DESIGN FABRICATION PROJECT   36   0   1     15HP1A03A6   RT41031   AUTOMOBILE ENGINEERING   21   48   3     15HP1A03A6   RT41032   CAD / CAM   18   37   3     15HP1A03A6   RT41032   CAD / CAM   18   37   3     15HP1A03A6   RT41034   INITE ELEMENT METHODS   19   11   0     15HP1A03A6   RT41034   UNCONVENTIONAL MACHINING PROCESSES   24   51   3     15HP1A03A6   RT4103A   INDUSTRIAL HYDRAULICS AND PNEUMATICS   26   40   3     15HP1A03A6   RT4103L   SIMULATION LAB   19   30   2     15HP1A03A7   RT4103L   DESIGN FABRICATION PROJECT   28   0   1     15HP1A03A7   RT41031   AUTOMOBILE ENGINEERING   27   41   3     15HP1A03A7   RT41032   CAD / CAM   22   53   3     15HP1A03A7   RT41034   INDUSTRIAL HYDRAULICS AND PNEUMATICS   29   33   3	15HP1A03A5	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	21	24	3
15HP1A03A6 RT41031 AUTOMOBILE ENGINEERING 21 48 3   15HP1A03A6 RT41032 CAD / CAM 18 37 3   15HP1A03A6 RT41033 FINITE ELEMENT METHODS 19 11 0   15HP1A03A6 RT41034 UNCONVENTIONAL MACHINING PROCESSES 24 51 3   15HP1A03A6 RT41034 UNCONVENTIONAL MACHINING PROCESSES 24 51 3   15HP1A03A6 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 26 40 3   15HP1A03A6 RT4103L SIMULATION LAB 19 30 2   15HP1A03A6 RT4103L DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A7 RT4103L AUTOMOBILE ENGINEERING 27 41 3   15HP1A03A7 RT41032 CAD / CAM 22 53 3   15HP1A03A7 RT41034 UNCONVENTIONAL MACHINING PROCESSES 24 34 3   15HP1A03A7 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 29 33 3   15HP1A03A7 RT4103A INDUSTRIAL HYDRAULICS AND	15HP1A03A5	RT4103L	SIMULATION LAB	22	29	2
15HP1A03A6 RT41032 CAD / CAM 18 37 3   15HP1A03A6 RT41033 FINITE ELEMENT METHODS 19 11 0   15HP1A03A6 RT41034 UNCONVENTIONAL MACHINING PROCESSES 24 51 3   15HP1A03A6 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 26 40 3   15HP1A03A6 RT4103L ISIMULATION LAB 19 30 2   15HP1A03A6 RT4103M DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A7 RT41031 AUTOMOBILE ENGINEERING 27 41 3   15HP1A03A7 RT41032 CAD / CAM 22 53 3   15HP1A03A7 RT41033 FINITE ELEMENT METHODS 23 25 3   15HP1A03A7 RT41034 UNCONVENTIONAL MACHINING PROCESSES 24 34 3   15HP1A03A7 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 29 33 3   15HP1A03A7 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 29 33 3   15HP1A03A8 RT4103A DESIGN FABRICATION PRO	15HP1A03A5	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
15HP1A03A6   RT41033   FINITE ELEMENT METHODS   19   11   0     15HP1A03A6   RT41034   UNCONVENTIONAL MACHINING PROCESSES   24   51   3     15HP1A03A6   RT41036   NANO TECHNOLOGY   18   39   3     15HP1A03A6   RT4103A   INDUSTRIAL HYDRAULICS AND PNEUMATICS   26   40   3     15HP1A03A6   RT4103A   INDUSTRIAL HYDRAULICS AND PNEUMATICS   26   40   3     15HP1A03A6   RT4103L   SIMULATION LAB   19   30   2     15HP1A03A7   RT41031   AUTOMOBILE ENGINEERING   27   41   3     15HP1A03A7   RT41032   CAD / CAM   22   53   3     15HP1A03A7   RT41034   UNCONVENTIONAL MACHINING PROCESSES   24   34   3     15HP1A03A7   RT41034   UNCONVENTIONAL MACHINING PROCESSES   24   34   3     15HP1A03A7   RT4103A   INDUSTRIAL HYDRAULICS AND PNEUMATICS   29   33   3     15HP1A03A8   RT41031   AUTOMOBILE ENGINEERING <td< td=""><td>15HP1A03A6</td><td>RT41031</td><td>AUTOMOBILE ENGINEERING</td><td>21</td><td>48</td><td>3</td></td<>	15HP1A03A6	RT41031	AUTOMOBILE ENGINEERING	21	48	3
15HP1A03A6   RT41034   UNCONVENTIONAL MACHINING PROCESSES   24   51   3     15HP1A03A6   RT4103A   NANO TECHNOLOGY   18   39   3     15HP1A03A6   RT4103A   INDUSTRIAL HYDRAULICS AND PNEUMATICS   26   40   3     15HP1A03A6   RT4103L   SIMULATION LAB   19   30   2     15HP1A03A7   RT4103M   DESIGN FABRICATION PROJECT   28   0   1     15HP1A03A7   RT41031   AUTOMOBILE ENGINEERING   27   41   3     15HP1A03A7   RT41032   CAD / CAM   22   53   3     15HP1A03A7   RT41034   UNCONVENTIONAL MACHINING PROCESSES   24   34   3     15HP1A03A7   RT4103A   INDUSTRIAL HYDRAULICS AND PNEUMATICS   29   33   3     15HP1A03A7   RT4103B   ISIMULATION LAB   23   42   2     15HP1A03A7   RT4103L   SIMULATION LAB   23   42   2     15HP1A03A8   RT41032   CAD / CAM   20   24   3	15HP1A03A6	RT41032	CAD / CAM	18	37	3
15HP1A03A6   RT4103A   NANO TECHNOLOGY   18   39   3     15HP1A03A6   RT4103A   INDUSTRIAL HYDRAULICS AND PNEUMATICS   26   40   3     15HP1A03A6   RT4103L   SIMULATION LAB   19   30   2     15HP1A03A7   RT4103M   DESIGN FABRICATION PROJECT   28   0   1     15HP1A03A7   RT41031   AUTOMOBILE ENGINEERING   27   41   3     15HP1A03A7   RT41032   CAD / CAM   22   53   3     15HP1A03A7   RT41033   FINITE ELEMENT METHODS   23   25   3     15HP1A03A7   RT41034   UNCONVENTIONAL MACHINING PROCESSES   24   34   3     15HP1A03A7   RT41034   INDUSTRIAL HYDRAULICS AND PNEUMATICS   29   33   3     15HP1A03A7   RT4103L   ISIMULATION LAB   23   42   2     15HP1A03A8   RT41031   AUTOMOBILE ENGINEERING   25   69   3     15HP1A03A8   RT41033   FINITE ELEMENT METHODS   25   19   0	15HP1A03A6	RT41033	FINITE ELEMENT METHODS	19	11	0
15HP1A03A6 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 26 40 3   15HP1A03A6 RT4103L SIMULATION LAB 19 30 2   15HP1A03A6 RT4103M DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A7 RT41031 AUTOMOBILE ENGINEERING 27 41 3   15HP1A03A7 RT41032 CAD / CAM 22 53 3   15HP1A03A7 RT41033 FINITE ELEMENT METHODS 23 25 3   15HP1A03A7 RT41034 UNCONVENTIONAL MACHINING PROCESSES 24 34 3   15HP1A03A7 RT41034 INDUSTRIAL HYDRAULICS AND PNEUMATICS 29 34 3   15HP1A03A7 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 29 33 3   15HP1A03A7 RT4103M DESIGN FABRICATION PROJECT 48 0 1   15HP1A03A7 RT4103M DESIGN FABRICATION PROJECT 48 0 1   15HP1A03A8 RT41031 AUTOMOBILE ENGINEERING 25 69 3   15HP1A03A8 RT41033 FINITE ELEMENT M	15HP1A03A6	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	51	3
15HP1A03A6 RT4103L SIMULATION LAB 19 30 2   15HP1A03A6 RT4103M DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A7 RT41031 AUTOMOBILE ENGINEERING 27 41 3   15HP1A03A7 RT41032 CAD / CAM 22 53 3   15HP1A03A7 RT41033 FINITE ELEMENT METHODS 23 25 3   15HP1A03A7 RT41034 UNCONVENTIONAL MACHINING PROCESSES 24 34 3   15HP1A03A7 RT41036 NANO TECHNOLOGY 25 34 3   15HP1A03A7 RT41031 INDUSTRIAL HYDRAULICS AND PNEUMATICS 29 33 3   15HP1A03A7 RT4103L SIMULATION LAB 23 42 2   15HP1A03A8 RT41031 AUTOMOBILE ENGINEERING 25 69 3   15HP1A03A8 RT41032 CAD / CAM 20 24 3   15HP1A03A8 RT41034 PINITE ELEMENT METHODS 25 19 0   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26	15HP1A03A6	RT41036	NANO TECHNOLOGY	18	39	3
15HP1A03A6   RT4103M   DESIGN FABRICATION PROJECT   28   0   1     15HP1A03A7   RT41031   AUTOMOBILE ENGINEERING   27   41   3     15HP1A03A7   RT41032   CAD / CAM   22   53   3     15HP1A03A7   RT41033   FINITE ELEMENT METHODS   23   25   3     15HP1A03A7   RT41034   UNCONVENTIONAL MACHINING PROCESSES   24   34   3     15HP1A03A7   RT41036   NANO TECHNOLOGY   25   34   3     15HP1A03A7   RT4103A   INDUSTRIAL HYDRAULICS AND PNEUMATICS   29   33   3     15HP1A03A7   RT4103L   SIMULATION LAB   23   42   2     15HP1A03A7   RT4103M   DESIGN FABRICATION PROJECT   48   0   1     15HP1A03A8   RT41031   AUTOMOBILE ENGINEERING   25   69   3     15HP1A03A8   RT4103A   FINITE ELEMENT METHODS   25   19   0     15HP1A03A8   RT4103A   INCONVENTIONAL MACHINING PROCESSES   26   30	15HP1A03A6	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	26	40	3
15HP1A03A7 RT41031 AUTOMOBILE ENGINEERING 27 41 3   15HP1A03A7 RT41032 CAD / CAM 22 53 3   15HP1A03A7 RT41033 FINITE ELEMENT METHODS 23 25 3   15HP1A03A7 RT41034 UNCONVENTIONAL MACHINING PROCESSES 24 34 3   15HP1A03A7 RT41036 NANO TECHNOLOGY 25 34 3   15HP1A03A7 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 29 33 3   15HP1A03A7 RT4103L SIMULATION LAB 23 42 2   15HP1A03A7 RT4103M DESIGN FABRICATION PROJECT 48 0 1   15HP1A03A8 RT41031 AUTOMOBILE ENGINEERING 25 69 3   15HP1A03A8 RT41032 CAD / CAM 20 24 3   15HP1A03A8 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 30 3   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS	15HP1A03A6	RT4103L	SIMULATION LAB	19	30	2
15HP1A03A7 RT41032 CAD / CAM 22 53 3   15HP1A03A7 RT41033 FINITE ELEMENT METHODS 23 25 3   15HP1A03A7 RT41034 UNCONVENTIONAL MACHINING PROCESSES 24 34 3   15HP1A03A7 RT41036 NANO TECHNOLOGY 25 34 3   15HP1A03A7 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 29 33 3   15HP1A03A7 RT4103L SIMULATION LAB 23 42 2   15HP1A03A7 RT4103M DESIGN FABRICATION PROJECT 48 0 1   15HP1A03A8 RT41031 AUTOMOBILE ENGINEERING 25 69 3   15HP1A03A8 RT41032 CAD / CAM 20 24 3   15HP1A03A8 RT41033 FINITE ELEMENT METHODS 25 19 0   15HP1A03A8 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 30 3   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS	15HP1A03A6	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
15HP1A03A7 RT41033 FINITE ELEMENT METHODS 23 25 3   15HP1A03A7 RT41034 UNCONVENTIONAL MACHINING PROCESSES 24 34 3   15HP1A03A7 RT41036 NANO TECHNOLOGY 25 34 3   15HP1A03A7 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 29 33 3   15HP1A03A7 RT4103L SIMULATION LAB 23 42 2   15HP1A03A7 RT4103M DESIGN FABRICATION PROJECT 48 0 1   15HP1A03A8 RT41031 AUTOMOBILE ENGINEERING 25 69 3   15HP1A03A8 RT41032 CAD / CAM 20 24 3   15HP1A03A8 RT41033 FINITE ELEMENT METHODS 25 19 0   15HP1A03A8 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 30 3   15HP1A03A8 RT41034 INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103L SIMULATION LAB 24 46 2   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 1	15HP1A03A7	RT41031	AUTOMOBILE ENGINEERING	27	41	3
15HP1A03A7 RT41034 UNCONVENTIONAL MACHINING PROCESSES 24 34 3   15HP1A03A7 RT41036 NANO TECHNOLOGY 25 34 3   15HP1A03A7 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 29 33 3   15HP1A03A7 RT4103L SIMULATION LAB 23 42 2   15HP1A03A7 RT4103M DESIGN FABRICATION PROJECT 48 0 1   15HP1A03A8 RT41031 AUTOMOBILE ENGINEERING 25 69 3   15HP1A03A8 RT41032 CAD / CAM 20 24 3   15HP1A03A8 RT41033 FINITE ELEMENT METHODS 25 19 0   15HP1A03A8 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 30 3   15HP1A03A8 RT41034 INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103L SIMULATION LAB 24 46 2   15HP1A03A8 RT4103L DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING <t< td=""><td>15HP1A03A7</td><td>RT41032</td><td>CAD / CAM</td><td>22</td><td>53</td><td>3</td></t<>	15HP1A03A7	RT41032	CAD / CAM	22	53	3
15HP1A03A7 RT41036 NANO TECHNOLOGY 25 34 3   15HP1A03A7 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 29 33 3   15HP1A03A7 RT4103L SIMULATION LAB 23 42 2   15HP1A03A7 RT4103M DESIGN FABRICATION PROJECT 48 0 1   15HP1A03A8 RT41031 AUTOMOBILE ENGINEERING 25 69 3   15HP1A03A8 RT41032 CAD / CAM 20 24 3   15HP1A03A8 RT41033 FINITE ELEMENT METHODS 25 19 0   15HP1A03A8 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 30 3   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103L SIMULATION LAB 24 46 2   15HP1A03A8 RT4103L DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 18 24 3   15HP1A03A9 RT41032 CAD / CAM 13 27 <td>15HP1A03A7</td> <td>RT41033</td> <td>FINITE ELEMENT METHODS</td> <td>23</td> <td>25</td> <td>3</td>	15HP1A03A7	RT41033	FINITE ELEMENT METHODS	23	25	3
15HP1A03A7 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 29 33 3   15HP1A03A7 RT4103L SIMULATION LAB 23 42 2   15HP1A03A7 RT4103M DESIGN FABRICATION PROJECT 48 0 1   15HP1A03A8 RT41031 AUTOMOBILE ENGINEERING 25 69 3   15HP1A03A8 RT41032 CAD / CAM 20 24 3   15HP1A03A8 RT41033 FINITE ELEMENT METHODS 25 19 0   15HP1A03A8 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 30 3   15HP1A03A8 RT41034 INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103L SIMULATION LAB 24 46 2   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 18 24 3   15HP1A03A9 RT41032 CAD / CAM 13 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES	15HP1A03A7	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	34	3
15HP1A03A7 RT4103L SIMULATION LAB 23 42 2   15HP1A03A7 RT4103M DESIGN FABRICATION PROJECT 48 0 1   15HP1A03A8 RT41031 AUTOMOBILE ENGINEERING 25 69 3   15HP1A03A8 RT41032 CAD / CAM 20 24 3   15HP1A03A8 RT41033 FINITE ELEMENT METHODS 25 19 0   15HP1A03A8 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 30 3   15HP1A03A8 RT41036 NANO TECHNOLOGY 24 32 3   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103L SIMULATION LAB 24 46 2   15HP1A03A8 RT4103M DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 18 24 3   15HP1A03A9 RT41033 FINITE ELEMENT METHODS 16 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26	15HP1A03A7	RT41036	NANO TECHNOLOGY	25	34	3
15HP1A03A7 RT4103M DESIGN FABRICATION PROJECT 48 0 1   15HP1A03A8 RT41031 AUTOMOBILE ENGINEERING 25 69 3   15HP1A03A8 RT41032 CAD / CAM 20 24 3   15HP1A03A8 RT41033 FINITE ELEMENT METHODS 25 19 0   15HP1A03A8 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 30 3   15HP1A03A8 RT41036 NANO TECHNOLOGY 24 32 3   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103L SIMULATION LAB 24 46 2   15HP1A03A8 RT4103M DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 18 24 3   15HP1A03A9 RT41032 CAD / CAM 13 27 3   15HP1A03A9 RT41033 FINITE ELEMENT METHODS 16 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 <td< td=""><td>15HP1A03A7</td><td>RT4103A</td><td>INDUSTRIAL HYDRAULICS AND PNEUMATICS</td><td>29</td><td>33</td><td>3</td></td<>	15HP1A03A7	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	29	33	3
15HP1A03A8 RT41031 AUTOMOBILE ENGINEERING 25 69 3   15HP1A03A8 RT41032 CAD / CAM 20 24 3   15HP1A03A8 RT41033 FINITE ELEMENT METHODS 25 19 0   15HP1A03A8 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 30 3   15HP1A03A8 RT41036 NANO TECHNOLOGY 24 32 3   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103L SIMULATION LAB 24 46 2   15HP1A03A8 RT4103M DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 18 24 3   15HP1A03A9 RT41032 CAD / CAM 13 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 24 3   15HP1A03A9 RT41036 NANO TECHNOLOGY 19 50 3	15HP1A03A7	RT4103L	SIMULATION LAB	23	42	2
15HP1A03A8 RT41032 CAD / CAM 20 24 3   15HP1A03A8 RT41033 FINITE ELEMENT METHODS 25 19 0   15HP1A03A8 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 30 3   15HP1A03A8 RT41036 NANO TECHNOLOGY 24 32 3   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103L SIMULATION LAB 24 46 2   15HP1A03A8 RT4103M DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 18 24 3   15HP1A03A9 RT41032 CAD / CAM 13 27 3   15HP1A03A9 RT41033 FINITE ELEMENT METHODS 16 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 24 3   15HP1A03A9 RT41036 NANO TECHNOLOGY 19 50 3	15HP1A03A7	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
15HP1A03A8 RT41033 FINITE ELEMENT METHODS 25 19 0   15HP1A03A8 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 30 3   15HP1A03A8 RT41036 NANO TECHNOLOGY 24 32 3   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103L SIMULATION LAB 24 46 2   15HP1A03A8 RT4103M DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 18 24 3   15HP1A03A9 RT41032 CAD / CAM 13 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 24 3   15HP1A03A9 RT41036 NANO TECHNOLOGY 19 50 3	15HP1A03A8	RT41031	AUTOMOBILE ENGINEERING	25	69	3
15HP1A03A8 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 30 3   15HP1A03A8 RT41036 NANO TECHNOLOGY 24 32 3   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103L SIMULATION LAB 24 46 2   15HP1A03A8 RT4103M DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 18 24 3   15HP1A03A9 RT41032 CAD / CAM 13 27 3   15HP1A03A9 RT41033 FINITE ELEMENT METHODS 16 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 24 3   15HP1A03A9 RT41036 NANO TECHNOLOGY 19 50 3	15HP1A03A8	RT41032	CAD / CAM	20	24	3
15HP1A03A8 RT41036 NANO TECHNOLOGY 24 32 3   15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103L SIMULATION LAB 24 46 2   15HP1A03A8 RT4103M DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 18 24 3   15HP1A03A9 RT41032 CAD / CAM 13 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 24 3   15HP1A03A9 RT41036 NANO TECHNOLOGY 19 50 3	15HP1A03A8	RT41033	FINITE ELEMENT METHODS	25	19	0
15HP1A03A8 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 28 26 3   15HP1A03A8 RT4103L SIMULATION LAB 24 46 2   15HP1A03A8 RT4103M DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 18 24 3   15HP1A03A9 RT41032 CAD / CAM 13 27 3   15HP1A03A9 RT41033 FINITE ELEMENT METHODS 16 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 24 3   15HP1A03A9 RT41036 NANO TECHNOLOGY 19 50 3	15HP1A03A8	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	30	3
15HP1A03A8 RT4103L SIMULATION LAB 24 46 2   15HP1A03A8 RT4103M DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 18 24 3   15HP1A03A9 RT41032 CAD / CAM 13 27 3   15HP1A03A9 RT41033 FINITE ELEMENT METHODS 16 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 24 3   15HP1A03A9 RT41036 NANO TECHNOLOGY 19 50 3	15HP1A03A8	RT41036	NANO TECHNOLOGY	24	32	3
15HP1A03A8 RT4103M DESIGN FABRICATION PROJECT 28 0 1   15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 18 24 3   15HP1A03A9 RT41032 CAD / CAM 13 27 3   15HP1A03A9 RT41033 FINITE ELEMENT METHODS 16 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 24 3   15HP1A03A9 RT41036 NANO TECHNOLOGY 19 50 3	15HP1A03A8	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	28	26	3
15HP1A03A9 RT41031 AUTOMOBILE ENGINEERING 18 24 3   15HP1A03A9 RT41032 CAD / CAM 13 27 3   15HP1A03A9 RT41033 FINITE ELEMENT METHODS 16 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 24 3   15HP1A03A9 RT41036 NANO TECHNOLOGY 19 50 3	15HP1A03A8	RT4103L	SIMULATION LAB	24	46	2
15HP1A03A9 RT41032 CAD / CAM 13 27 3   15HP1A03A9 RT41033 FINITE ELEMENT METHODS 16 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 24 3   15HP1A03A9 RT41036 NANO TECHNOLOGY 19 50 3	15HP1A03A8	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
15HP1A03A9 RT41033 FINITE ELEMENT METHODS 16 27 3   15HP1A03A9 RT41034 UNCONVENTIONAL MACHINING PROCESSES 26 24 3   15HP1A03A9 RT41036 NANO TECHNOLOGY 19 50 3	15HP1A03A9	RT41031	AUTOMOBILE ENGINEERING	18	24	3
15HP1A03A9   RT41034   UNCONVENTIONAL MACHINING PROCESSES   26   24   3     15HP1A03A9   RT41036   NANO TECHNOLOGY   19   50   3	15HP1A03A9	RT41032	CAD / CAM	13	27	3
15HP1A03A9 RT41036 NANO TECHNOLOGY 19 50 3	15HP1A03A9	RT41033	FINITE ELEMENT METHODS	16	27	3
	15HP1A03A9	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	24	3
15HP1A03A9 RT4103A INDUSTRIAL HYDRAULICS AND PNEUMATICS 22 14 0	15HP1A03A9	RT41036	NANO TECHNOLOGY	19	50	3
,	15HP1A03A9	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	22	14	0
15HP1A03A9 RT4103L SIMULATION LAB 17 25 2	15HP1A03A9	RT4103L	SIMULATION LAB	17	25	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A03A9	RT4103M	DESIGN FABRICATION PROJECT	30	0	1
15HP1A03B0	RT41031	AUTOMOBILE ENGINEERING	15	31	3
15HP1A03B0	RT41032	CAD / CAM	13	20	0
15HP1A03B0	RT41033	FINITE ELEMENT METHODS	17	9	0
15HP1A03B0	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	37	3
15HP1A03B0	RT41036	NANO TECHNOLOGY	20	44	3
15HP1A03B0	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	29	3
15HP1A03B0	RT4103L	SIMULATION LAB	17	35	2
15HP1A03B0	RT4103M	DESIGN FABRICATION PROJECT	34	0	1
15HP1A03B1	RT41031	AUTOMOBILE ENGINEERING	22	43	3
15HP1A03B1	RT41032	CAD / CAM	14	44	3
15HP1A03B1	RT41033	FINITE ELEMENT METHODS	16	24	3
15HP1A03B1	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	26	3
15HP1A03B1	RT41036	NANO TECHNOLOGY	17	34	3
15HP1A03B1	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	26	24	3
15HP1A03B1	RT4103L	SIMULATION LAB	16	29	2
15HP1A03B1	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
15HP1A03B2	RT41031	AUTOMOBILE ENGINEERING	23	68	3
15HP1A03B2	RT41032	CAD / CAM	15	31	3
15HP1A03B2	RT41033	FINITE ELEMENT METHODS	17	34	3
15HP1A03B2	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	34	3
15HP1A03B2	RT41036	NANO TECHNOLOGY	24	36	3
15HP1A03B2	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	26	41	3
15HP1A03B2	RT4103L	SIMULATION LAB	16	35	2
15HP1A03B2	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
15HP1A03B3	RT41031	AUTOMOBILE ENGINEERING	21	15	0
15HP1A03B3	RT41032	CAD / CAM	13	29	3
15HP1A03B3	RT41033	FINITE ELEMENT METHODS	16	15	0
15HP1A03B3	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	36	3
15HP1A03B3	RT41036	NANO TECHNOLOGY	15	43	3
15HP1A03B3	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	21	28	3
15HP1A03B3	RT4103L	SIMULATION LAB	17	30	2
15HP1A03B3	RT4103M	DESIGN FABRICATION PROJECT	30	0	1
15HP1A03B4	RT41031	AUTOMOBILE ENGINEERING	18	49	3
15HP1A03B4	RT41032	CAD / CAM	12	28	3
15HP1A03B4	RT41033	FINITE ELEMENT METHODS	11	29	3
15HP1A03B4	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	38	3
15HP1A03B4	RT41036	NANO TECHNOLOGY	7	43	3
15HP1A03B4	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	26	3
15HP1A03B4	RT4103L	SIMULATION LAB	13	27	2
15HP1A03B4	RT4103M	DESIGN FABRICATION PROJECT	34	0	1
15HP1A0401	RT41041	VLSI DESIGN	19	62	3
15HP1A0401	RT41042	COMPUTER NETWORKS	20	32	3
15HP1A0401	RT41043	DIGITAL IMAGE PROCESSING	26	45	3
15HP1A0401	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	50	3
15HP1A0401	RT41048	RADAR SYSTEMS	22	51	3
15HP1A0401	RT4104A	OPTICAL COMMUNICATION	23	16	0
15HP1A0401	RT4104L	V L S I LAB	22	45	2
15HP1A0401	RT4104M	MICROWAVE ENGINEERING LAB	22	45	2
15HP1A0402	RT41041	VLSI DESIGN	15	33	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0402	RT41042	COMPUTER NETWORKS	19	5	0
15HP1A0402	RT41043	DIGITAL IMAGE PROCESSING	22	34	3
15HP1A0402	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	12	28	3
15HP1A0402	RT41048	RADAR SYSTEMS	19	44	3
15HP1A0402	RT4104A	OPTICAL COMMUNICATION	22	24	3
15HP1A0402	RT4104L	V L S I LAB	19	29	2
15HP1A0402	RT4104M	MICROWAVE ENGINEERING LAB	21	40	2
15HP1A0403	RT41041	VLSI DESIGN	20	42	3
15HP1A0403	RT41042	COMPUTER NETWORKS	20	46	3
15HP1A0403	RT41043	DIGITAL IMAGE PROCESSING	23	27	3
15HP1A0403	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	49	3
15HP1A0403	RT41048	RADAR SYSTEMS	21	47	3
15HP1A0403	RT4104A	OPTICAL COMMUNICATION	22	38	3
15HP1A0403	RT4104L	V L S I LAB	21	41	2
15HP1A0403	RT4104M	MICROWAVE ENGINEERING LAB	24	43	2
15HP1A0404	RT41041	VLSI DESIGN	18	37	3
15HP1A0404	RT41042	COMPUTER NETWORKS	21	32	3
15HP1A0404	RT41043	DIGITAL IMAGE PROCESSING	17	24	3
15HP1A0404	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	30	3
15HP1A0404	RT41048	RADAR SYSTEMS	21	28	3
15HP1A0404	RT4104A	OPTICAL COMMUNICATION	22	28	3
15HP1A0404	RT4104L	V L S I LAB	20	38	2
15HP1A0404	RT4104M	MICROWAVE ENGINEERING LAB	21	41	2
15HP1A0405	RT41041	VLSI DESIGN	13	48	3
15HP1A0405	RT41042	COMPUTER NETWORKS	23	46	3
15HP1A0405	RT41043	DIGITAL IMAGE PROCESSING	27	30	3
15HP1A0405	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	35	3
15HP1A0405	RT41048	RADAR SYSTEMS	21	46	3
15HP1A0405	RT4104A	OPTICAL COMMUNICATION	25	13	0
15HP1A0405	RT4104L	V L S I LAB	20	39	2
15HP1A0405	RT4104M	MICROWAVE ENGINEERING LAB	22	43	2
15HP1A0406	RT41041	VLSI DESIGN	26	51	3
15HP1A0406	RT41042	COMPUTER NETWORKS	24	39	3
15HP1A0406	RT41043	DIGITAL IMAGE PROCESSING	29	42	3
15HP1A0406	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	29	38	3
15HP1A0406	RT41048	RADAR SYSTEMS	29	64	3
15HP1A0406	RT4104A	OPTICAL COMMUNICATION	30	39	3
15HP1A0406	RT4104L	V L S I LAB	25	50	2
15HP1A0406	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
15HP1A0407	RT41041	VLSI DESIGN	20	34	3
15HP1A0407	RT41042	COMPUTER NETWORKS	17	37	3
15HP1A0407	RT41043	DIGITAL IMAGE PROCESSING	20	17	0
15HP1A0407	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	14	42	3
15HP1A0407	RT41048	RADAR SYSTEMS	17	35	3
15HP1A0407	RT4104A	OPTICAL COMMUNICATION	18	39	3
15HP1A0407	RT4104L	V L S I LAB	21	43	2
15HP1A0407	RT4104M	MICROWAVE ENGINEERING LAB	22	45	2
15HP1A0408	RT41041	VLSI DESIGN	22	58	3
15HP1A0408	RT41042	COMPUTER NETWORKS	21	42	3
15HP1A0408	RT41043	DIGITAL IMAGE PROCESSING	26	24	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0408	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	33	3
15HP1A0408	RT41048	RADAR SYSTEMS	23	44	3
15HP1A0408	RT4104A	OPTICAL COMMUNICATION	23	28	3
15HP1A0408	RT4104L	V L S I LAB	23	46	2
15HP1A0408	RT4104M	MICROWAVE ENGINEERING LAB	24	44	2
15HP1A0410	RT41041	VLSI DESIGN	20	40	3
15HP1A0410	RT41042	COMPUTER NETWORKS	17	42	3
15HP1A0410	RT41043	DIGITAL IMAGE PROCESSING	21	24	3
15HP1A0410	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	42	3
15HP1A0410	RT41048	RADAR SYSTEMS	19	49	3
15HP1A0410	RT4104A	OPTICAL COMMUNICATION	26	15	0
15HP1A0410	RT4104L	V L S I LAB	19	41	2
15HP1A0410	RT4104M	MICROWAVE ENGINEERING LAB	23	44	2
15HP1A0411	RT41041	VLSI DESIGN	24	51	3
15HP1A0411	RT41042	COMPUTER NETWORKS	21	37	3
15HP1A0411	RT41043	DIGITAL IMAGE PROCESSING	24	42	3
15HP1A0411	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	34	3
15HP1A0411	RT41048	RADAR SYSTEMS	24	46	3
15HP1A0411	RT4104A	OPTICAL COMMUNICATION	22	43	3
15HP1A0411	RT4104L	V L S I LAB	24	49	2
15HP1A0411	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
15HP1A0412	RT41041	VLSI DESIGN	23	31	3
15HP1A0412	RT41042	COMPUTER NETWORKS	26	40	3
15HP1A0412	RT41043	DIGITAL IMAGE PROCESSING	27	39	3
15HP1A0412	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	56	3
15HP1A0412	RT41048	RADAR SYSTEMS	27	51	3
15HP1A0412	RT4104A	OPTICAL COMMUNICATION	26	50	3
15HP1A0412	RT4104L	V L S I LAB	21	44	2
15HP1A0412	RT4104M	MICROWAVE ENGINEERING LAB	24	45	2
15HP1A0413	RT41041	VLSI DESIGN	17	59	3
15HP1A0413	RT41042	COMPUTER NETWORKS	19	49	3
15HP1A0413	RT41043	DIGITAL IMAGE PROCESSING	18	24	3
15HP1A0413	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	15	37	3
15HP1A0413	RT41048	RADAR SYSTEMS	18	49	3
15HP1A0413	RT4104A	OPTICAL COMMUNICATION	20	31	3
15HP1A0413	RT4104L	V L S I LAB	21	44	2
15HP1A0413	RT4104M	MICROWAVE ENGINEERING LAB	22	45	2
15HP1A0414	RT41041	VLSI DESIGN	17	48	3
15HP1A0414	RT41042	COMPUTER NETWORKS	20	26	3
15HP1A0414	RT41043	DIGITAL IMAGE PROCESSING	20	36	3
15HP1A0414	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	29	3
15HP1A0414	RT41048	RADAR SYSTEMS	20	45	3
15HP1A0414	RT4104A	OPTICAL COMMUNICATION	16	28	3
15HP1A0414	RT4104L	VLSILAB	19	30	2
15HP1A0414	RT4104M	MICROWAVE ENGINEERING LAB	22	43	2
15HP1A0415	RT41041	VLSI DESIGN	10	30	3
15HP1A0415	RT41042	COMPUTER NETWORKS	15	3	0
15HP1A0415	RT41043	DIGITAL IMAGE PROCESSING	13	27	3
15HP1A0415	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	9	28	0
15HP1A0415	RT41048	RADAR SYSTEMS	16	27	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0415	RT4104A	OPTICAL COMMUNICATION	14	11	0
15HP1A0415	RT4104L	V L S I LAB	10	-1	0
15HP1A0415	RT4104M	MICROWAVE ENGINEERING LAB	16	35	2
15HP1A0416	RT41041	VLSI DESIGN	21	37	3
15HP1A0416	RT41042	COMPUTER NETWORKS	21	43	3
15HP1A0416	RT41043	DIGITAL IMAGE PROCESSING	22	35	3
15HP1A0416	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	51	3
15HP1A0416	RT41048	RADAR SYSTEMS	23	35	3
15HP1A0416	RT4104A	OPTICAL COMMUNICATION	22	65	3
15HP1A0416	RT4104L	V L S I LAB	23	44	2
15HP1A0416	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
15HP1A0417	RT41041	VLSI DESIGN	23	61	3
15HP1A0417	RT41042	COMPUTER NETWORKS	25	36	3
15HP1A0417	RT41043	DIGITAL IMAGE PROCESSING	23	56	3
15HP1A0417	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	39	3
15HP1A0417	RT41048	RADAR SYSTEMS	23	41	3
15HP1A0417	RT4104A	OPTICAL COMMUNICATION	27	51	3
15HP1A0417	RT4104L	V L S I LAB	23	48	2
15HP1A0417	RT4104M	MICROWAVE ENGINEERING LAB	23	48	2
15HP1A0418	RT41041	VLSI DESIGN	22	55	3
15HP1A0418	RT41042	COMPUTER NETWORKS	19	26	3
15HP1A0418	RT41043	DIGITAL IMAGE PROCESSING	26	32	3
15HP1A0418	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	54	3
15HP1A0418	RT41048	RADAR SYSTEMS	29	58	3
15HP1A0418	RT4104A	OPTICAL COMMUNICATION	24	3	0
15HP1A0418	RT4104L	V L S I LAB	20	47	2
15HP1A0418	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
15HP1A0419	RT41041	VLSI DESIGN	23	38	3
15HP1A0419	RT41042	COMPUTER NETWORKS	17	33	3
15HP1A0419	RT41043	DIGITAL IMAGE PROCESSING	20	36	3
15HP1A0419	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	36	3
15HP1A0419	RT41048	RADAR SYSTEMS	22	41	3
15HP1A0419	RT4104A	OPTICAL COMMUNICATION	20	29	3
15HP1A0419	RT4104L	V L S I LAB	22	42	2
15HP1A0419	RT4104M	MICROWAVE ENGINEERING LAB	22	44	2
15HP1A0420	RT41041	VLSI DESIGN	21	32	3
15HP1A0420	RT41042	COMPUTER NETWORKS	21	29	3
15HP1A0420	RT41043	DIGITAL IMAGE PROCESSING	22	25	3
15HP1A0420	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	49	3
15HP1A0420	RT41048	RADAR SYSTEMS	21	45	3
15HP1A0420	RT4104A	OPTICAL COMMUNICATION	26	17	0
15HP1A0420	RT4104L	V L S I LAB	20	38	2
15HP1A0420	RT4104M	MICROWAVE ENGINEERING LAB	22	44	2
15HP1A0421	RT41041	VLSI DESIGN	21	59	3
15HP1A0421	RT41042	COMPUTER NETWORKS	24	39	3
15HP1A0421	RT41043	DIGITAL IMAGE PROCESSING	25	45	3
15HP1A0421	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	37	3
15HP1A0421	RT41048	RADAR SYSTEMS	21	49	3
15HP1A0421	RT4104A	OPTICAL COMMUNICATION	22	41	3
15HP1A0421	RT4104L	V L S I LAB	21	45	2
12 12 1					

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0421	RT4104M	MICROWAVE ENGINEERING LAB	24	48	2
15HP1A0422	RT41041	VLSI DESIGN	21	58	3
15HP1A0422	RT41042	COMPUTER NETWORKS	25	33	3
15HP1A0422	RT41043	DIGITAL IMAGE PROCESSING	26	31	3
15HP1A0422	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	49	3
15HP1A0422	RT41048	RADAR SYSTEMS	24	51	3
15HP1A0422	RT4104A	OPTICAL COMMUNICATION	26	44	3
15HP1A0422	RT4104L	V L S I LAB	20	40	2
15HP1A0422	RT4104M	MICROWAVE ENGINEERING LAB	22	45	2
15HP1A0423	RT41041	VLSI DESIGN	17	33	3
15HP1A0423	RT41042	COMPUTER NETWORKS	22	40	3
15HP1A0423	RT41043	DIGITAL IMAGE PROCESSING	24	27	3
15HP1A0423	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	28	3
15HP1A0423	RT41048	RADAR SYSTEMS	21	50	3
15HP1A0423	RT4104A	OPTICAL COMMUNICATION	23	29	3
15HP1A0423	RT4104L	V L S I LAB	21	43	2
15HP1A0423	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
15HP1A0424	RT41041	VLSI DESIGN	19	24	3
15HP1A0424	RT41042	COMPUTER NETWORKS	22	32	3
15HP1A0424	RT41043	DIGITAL IMAGE PROCESSING	21	26	3
15HP1A0424	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	15	51	3
15HP1A0424	RT41048	RADAR SYSTEMS	20	35	3
15HP1A0424	RT4104A	OPTICAL COMMUNICATION	21	36	3
15HP1A0424	RT4104L	V L S I LAB	20	42	2
15HP1A0424	RT4104M	MICROWAVE ENGINEERING LAB	22	42	2
15HP1A0425	RT41041	VLSI DESIGN	17	43	3
15HP1A0425	RT41042	COMPUTER NETWORKS	21	24	3
15HP1A0425	RT41043	DIGITAL IMAGE PROCESSING	16	15	0
15HP1A0425	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	35	3
15HP1A0425	RT41048	RADAR SYSTEMS	20	18	0
15HP1A0425	RT4104A	OPTICAL COMMUNICATION	21	29	3
15HP1A0425	RT4104L	V L S I LAB	19	40	2
15HP1A0425	RT4104M	MICROWAVE ENGINEERING LAB	22	41	2
15HP1A0426	RT41041	VLSI DESIGN	16	49	3
15HP1A0426	RT41042	COMPUTER NETWORKS	20	28	3
15HP1A0426	RT41043	DIGITAL IMAGE PROCESSING	21	19	0
15HP1A0426	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	24	3
15HP1A0426	RT41048	RADAR SYSTEMS	24	37	3
15HP1A0426	RT4104A	OPTICAL COMMUNICATION	25	18	0
15HP1A0426	RT4104L	V L S I LAB	20	33	2
15HP1A0426	RT4104M	MICROWAVE ENGINEERING LAB	23	41	2
15HP1A0427	RT41041	VLSI DESIGN	25	54	3
15HP1A0427	RT41042	COMPUTER NETWORKS	26	41	3
15HP1A0427	RT41043	DIGITAL IMAGE PROCESSING	26	40	3
15HP1A0427	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	35	3
15HP1A0427	RT41048	RADAR SYSTEMS	27	53	3
15HP1A0427	RT4104A	OPTICAL COMMUNICATION	28	36	3
15HP1A0427	RT4104L	V L S I LAB	25	50	2
15HP1A0427	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
15HP1A0428	RT41041	VLSI DESIGN	18	39	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0428	RT41042	COMPUTER NETWORKS	16	46	3
15HP1A0428	RT41043	DIGITAL IMAGE PROCESSING	19	49	3
15HP1A0428	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	61	3
15HP1A0428	RT41048	RADAR SYSTEMS	21	50	3
15HP1A0428	RT4104A	OPTICAL COMMUNICATION	18	32	3
15HP1A0428	RT4104L	V L S I LAB	19	46	2
15HP1A0428	RT4104M	MICROWAVE ENGINEERING LAB	19	44	2
15HP1A0429	RT41041	VLSI DESIGN	8	26	0
15HP1A0429	RT41042	COMPUTER NETWORKS	12	15	0
15HP1A0429	RT41043	DIGITAL IMAGE PROCESSING	13	8	0
15HP1A0429	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	10	30	3
15HP1A0429	RT41048	RADAR SYSTEMS	15	16	0
15HP1A0429	RT4104A	OPTICAL COMMUNICATION	19	8	0
15HP1A0429	RT4104L	V L S I LAB	8	-1	0
15HP1A0429	RT4104M	MICROWAVE ENGINEERING LAB	16	36	2
15HP1A0430	RT41041	VLSI DESIGN	18	47	3
15HP1A0430	RT41042	COMPUTER NETWORKS	20	26	3
15HP1A0430	RT41043	DIGITAL IMAGE PROCESSING	18	24	3
15HP1A0430	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	9	31	3
15HP1A0430	RT41048	RADAR SYSTEMS	22	28	3
15HP1A0430	RT4104A	OPTICAL COMMUNICATION	23	27	3
15HP1A0430	RT4104L	V L S I LAB	16	42	2
15HP1A0430	RT4104M	MICROWAVE ENGINEERING LAB	19	40	2
15HP1A0431	RT41041	VLSI DESIGN	19	38	3
15HP1A0431	RT41042	COMPUTER NETWORKS	18	29	3
15HP1A0431	RT41043	DIGITAL IMAGE PROCESSING	16	32	3
15HP1A0431	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	12	33	3
15HP1A0431	RT41048	RADAR SYSTEMS	18	40	3
15HP1A0431	RT4104A	OPTICAL COMMUNICATION	23	32	3
15HP1A0431	RT4104L	V L S I LAB	17	32	2
15HP1A0431	RT4104M	MICROWAVE ENGINEERING LAB	20	36	2
15HP1A0432	RT41041	VLSI DESIGN	19	24	3
15HP1A0432	RT41042	COMPUTER NETWORKS	16	31	3
15HP1A0432	RT41043	DIGITAL IMAGE PROCESSING	16	10	0
15HP1A0432	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	10	10	0
15HP1A0432	RT41048	RADAR SYSTEMS	17	26	3
15HP1A0432	RT4104A	OPTICAL COMMUNICATION	18	15	0
15HP1A0432	RT4104L	V L S I LAB	5	-1	0
15HP1A0432	RT4104M	MICROWAVE ENGINEERING LAB	16	36	2
15HP1A0434	RT41041	VLSI DESIGN	15	45	3
15HP1A0434	RT41042	COMPUTER NETWORKS	23	29	3
15HP1A0434	RT41043	DIGITAL IMAGE PROCESSING	16	24	3
15HP1A0434	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	14	33	3
15HP1A0434	RT41048	RADAR SYSTEMS	18	29	3
15HP1A0434	RT4104A	OPTICAL COMMUNICATION	19	29	3
15HP1A0434	RT4104L	V L S I LAB	17	30	2
15HP1A0434	RT4104M	MICROWAVE ENGINEERING LAB	21	40	2
15HP1A0435	RT41041	VLSI DESIGN	17	26	3
15HP1A0435	RT41042	COMPUTER NETWORKS	16	25	3
15HP1A0435	RT41043	DIGITAL IMAGE PROCESSING	15	25	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0435	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	9	15	0
15HP1A0435	RT41048	RADAR SYSTEMS	13	27	3
15HP1A0435	RT4104A	OPTICAL COMMUNICATION	13	7	0
15HP1A0435	RT4104L	V L S I LAB	8	-1	0
15HP1A0435	RT4104M	MICROWAVE ENGINEERING LAB	11	36	2
15HP1A0436	RT41041	VLSI DESIGN	17	36	3
15HP1A0436	RT41042	COMPUTER NETWORKS	17	33	3
15HP1A0436	RT41043	DIGITAL IMAGE PROCESSING	18	30	3
15HP1A0436	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	14	36	3
15HP1A0436	RT41048	RADAR SYSTEMS	17	38	3
15HP1A0436	RT4104A	OPTICAL COMMUNICATION	20	29	3
15HP1A0436	RT4104L	V L S I LAB	16	28	2
15HP1A0436	RT4104M	MICROWAVE ENGINEERING LAB	18	41	2
15HP1A0437	RT41041	VLSI DESIGN	19	36	3
15HP1A0437	RT41042	COMPUTER NETWORKS	20	27	3
15HP1A0437	RT41043	DIGITAL IMAGE PROCESSING	18	29	3
15HP1A0437	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	38	3
15HP1A0437	RT41048	RADAR SYSTEMS	15	43	3
15HP1A0437	RT4104A	OPTICAL COMMUNICATION	14	6	0
15HP1A0437	RT4104L	V L S I LAB	20	45	2
15HP1A0437	RT4104M	MICROWAVE ENGINEERING LAB	20	35	2
15HP1A0438	RT41041	VLSI DESIGN	19	54	3
15HP1A0438	RT41042	COMPUTER NETWORKS	16	31	3
15HP1A0438	RT41043	DIGITAL IMAGE PROCESSING	17	36	3
15HP1A0438	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	15	47	3
15HP1A0438	RT41048	RADAR SYSTEMS	19	32	3
15HP1A0438	RT4104A	OPTICAL COMMUNICATION	23	36	3
15HP1A0438	RT4104L	V L S I LAB	17	36	2
15HP1A0438	RT4104M	MICROWAVE ENGINEERING LAB	19	42	2
15HP1A0442	RT41041	VLSI DESIGN	25	63	3
15HP1A0442	RT41042	COMPUTER NETWORKS	25	33	3
15HP1A0442	RT41043	DIGITAL IMAGE PROCESSING	28	47	3
15HP1A0442	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	50	3
15HP1A0442	RT41048	RADAR SYSTEMS	27	57	3
15HP1A0442	RT4104A	OPTICAL COMMUNICATION	29	62	3
15HP1A0442	RT4104L	V L S I LAB	25	50	2
15HP1A0442	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
15HP1A0443	RT41041	VLSI DESIGN	12	37	3
15HP1A0443	RT41042	COMPUTER NETWORKS	17	28	3
15HP1A0443	RT41043	DIGITAL IMAGE PROCESSING	21	38	3
15HP1A0443	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	15	28	3
15HP1A0443	RT41048	RADAR SYSTEMS	19	38	3
15HP1A0443	RT4104A	OPTICAL COMMUNICATION	23	30	3
15HP1A0443	RT4104L	VLSILAB	8	-1	0
15HP1A0443	RT4104M	MICROWAVE ENGINEERING LAB	20	38	2
15HP1A0444	RT41041	VLSI DESIGN	18	30	3
15HP1A0444	RT41042	COMPUTER NETWORKS	21	44	3
15HP1A0444	RT41043	DIGITAL IMAGE PROCESSING	21	34	3
15HP1A0444	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	9	31	3
15HP1A0444	RT41048	RADAR SYSTEMS	15	41	3

15HP1A0444 F		Subname	Internal	External	Credits
	RT4104A	OPTICAL COMMUNICATION	17	32	3
15HP1A0444 F	RT4104L	V L S I LAB	8	-1	0
15HP1A0444 F	RT4104M	MICROWAVE ENGINEERING LAB	15	34	2
15HP1A0446 F	RT41041	VLSI DESIGN	26	51	3
15HP1A0446 F	RT41042	COMPUTER NETWORKS	24	31	3
15HP1A0446 F	RT41043	DIGITAL IMAGE PROCESSING	29	36	3
15HP1A0446 F	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	47	3
15HP1A0446 F	RT41048	RADAR SYSTEMS	24	40	3
15HP1A0446 F	RT4104A	OPTICAL COMMUNICATION	26	39	3
15HP1A0446 F	RT4104L	V L S I LAB	24	49	2
15HP1A0446 F	RT4104M	MICROWAVE ENGINEERING LAB	21	45	2
15HP1A0447 F	RT41041	VLSI DESIGN	15	28	3
15HP1A0447 F	RT41042	COMPUTER NETWORKS	13	15	0
15HP1A0447 F	RT41043	DIGITAL IMAGE PROCESSING	23	3	0
15HP1A0447 F	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	14	33	3
15HP1A0447 F	RT41048	RADAR SYSTEMS	18	15	0
15HP1A0447 F	RT4104A	OPTICAL COMMUNICATION	14	0	0
15HP1A0447 F	RT4104L	V L S I LAB	7	-1	0
15HP1A0447 F	RT4104M	MICROWAVE ENGINEERING LAB	16	36	2
15HP1A0448 F	RT41041	VLSI DESIGN	22	37	3
15HP1A0448 F	RT41042	COMPUTER NETWORKS	21	26	3
15HP1A0448 F	RT41043	DIGITAL IMAGE PROCESSING	20	30	3
15HP1A0448 F	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	30	3
15HP1A0448 F	RT41048	RADAR SYSTEMS	21	47	3
15HP1A0448 F	RT4104A	OPTICAL COMMUNICATION	21	33	3
15HP1A0448 F	RT4104L	V L S I LAB	23	48	2
15HP1A0448 F	RT4104M	MICROWAVE ENGINEERING LAB	21	41	2
15HP1A0450 F	RT41041	VLSI DESIGN	14	26	3
15HP1A0450 F	RT41042	COMPUTER NETWORKS	12	31	3
15HP1A0450 F	RT41043	DIGITAL IMAGE PROCESSING	7	6	0
15HP1A0450 F	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	10	8	0
15HP1A0450 F	RT41048	RADAR SYSTEMS	20	24	3
15HP1A0450 F	RT4104A	OPTICAL COMMUNICATION	15	25	3
15HP1A0450 F	RT4104L	V L S I LAB	8	-1	0
15HP1A0450 F	RT4104M	MICROWAVE ENGINEERING LAB	15	34	2
15HP1A0451 F	RT41041	VLSI DESIGN	18	52	3
15HP1A0451 F	RT41042	COMPUTER NETWORKS	16	34	3
15HP1A0451 F	RT41043	DIGITAL IMAGE PROCESSING	20	34	3
15HP1A0451 F	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	13	49	3
15HP1A0451 F	RT41048	RADAR SYSTEMS	23	39	3
15HP1A0451 F	RT4104A	OPTICAL COMMUNICATION	22	28	3
15HP1A0451 F	RT4104L	V L S I LAB	17	32	2
15HP1A0451 F	RT4104M	MICROWAVE ENGINEERING LAB	21	40	2
15HP1A0452 F	RT41041	VLSI DESIGN	14	32	3
15HP1A0452 F	RT41042	COMPUTER NETWORKS	15	25	3
15HP1A0452 F	RT41043	DIGITAL IMAGE PROCESSING	13	14	0
15HP1A0452 F	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	10	19	0
15HP1A0452 F	RT41048	RADAR SYSTEMS	20	24	3
15HP1A0452 F	RT4104A	OPTICAL COMMUNICATION	20	10	0
15HP1A0452 F	RT4104L	V L S I LAB	8	23	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0452	RT4104M	MICROWAVE ENGINEERING LAB	16	41	2
15HP1A0453	RT41041	VLSI DESIGN	19	32	3
15HP1A0453	RT41042	COMPUTER NETWORKS	16	24	3
15HP1A0453	RT41043	DIGITAL IMAGE PROCESSING	17	25	3
15HP1A0453	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	9	31	3
15HP1A0453	RT41048	RADAR SYSTEMS	19	31	3
15HP1A0453	RT4104A	OPTICAL COMMUNICATION	15	25	3
15HP1A0453	RT4104L	V L S I LAB	17	26	2
15HP1A0453	RT4104M	MICROWAVE ENGINEERING LAB	20	44	2
15HP1A0454	RT41041	VLSI DESIGN	21	24	3
15HP1A0454	RT41042	COMPUTER NETWORKS	11	29	3
15HP1A0454	RT41043	DIGITAL IMAGE PROCESSING	23	16	0
15HP1A0454	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	13	29	3
15HP1A0454	RT41048	RADAR SYSTEMS	22	32	3
15HP1A0454	RT4104A	OPTICAL COMMUNICATION	23	24	3
15HP1A0454	RT4104L	V L S I LAB	17	30	2
15HP1A0454	RT4104M	MICROWAVE ENGINEERING LAB	19	41	2
15HP1A0456	RT41041	VLSI DESIGN	23	48	3
15HP1A0456	RT41042	COMPUTER NETWORKS	15	25	3
15HP1A0456	RT41043	DIGITAL IMAGE PROCESSING	23	24	3
15HP1A0456	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	43	3
15HP1A0456	RT41048	RADAR SYSTEMS	25	39	3
15HP1A0456	RT4104A	OPTICAL COMMUNICATION	22	29	3
15HP1A0456	RT4104L	V L S I LAB	22	43	2
15HP1A0456	RT4104M	MICROWAVE ENGINEERING LAB	20	33	2
15HP1A0457	RT41041	VLSI DESIGN	23	49	3
15HP1A0457	RT41042	COMPUTER NETWORKS	18	27	3
15HP1A0457	RT41043	DIGITAL IMAGE PROCESSING	21	16	0
15HP1A0457	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	15	45	3
15HP1A0457	RT41048	RADAR SYSTEMS	25	48	3
15HP1A0457	RT4104A	OPTICAL COMMUNICATION	20	32	3
15HP1A0457	RT4104L	V L S I LAB	22	46	2
15HP1A0457	RT4104M	MICROWAVE ENGINEERING LAB	22	44	2
15HP1A0458	RT41041	VLSI DESIGN	17	32	3
15HP1A0458	RT41042	COMPUTER NETWORKS	18	30	3
15HP1A0458	RT41043	DIGITAL IMAGE PROCESSING	16	28	3
15HP1A0458	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	10	30	3
15HP1A0458	RT41048	RADAR SYSTEMS	16	38	3
15HP1A0458	RT4104A	OPTICAL COMMUNICATION	18	29	3
15HP1A0458	RT4104L	V L S I LAB	18	43	2
15HP1A0458	RT4104M	MICROWAVE ENGINEERING LAB	19	36	2
15HP1A0462	RT41041	VLSI DESIGN	25	40	3
15HP1A0462	RT41042	COMPUTER NETWORKS	25	44	3
15HP1A0462	RT41043	DIGITAL IMAGE PROCESSING	29	59	3
15HP1A0462	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	29	70	3
15HP1A0462	RT41048	RADAR SYSTEMS	26	43	3
15HP1A0462	RT4104A	OPTICAL COMMUNICATION	26	52	3
15HP1A0462	RT4104L	V L S I LAB	24	44	2
15HP1A0462	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
15HP1A0463	RT41041	VLSI DESIGN	19	54	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0463	RT41042	COMPUTER NETWORKS	18	31	3
15HP1A0463	RT41043	DIGITAL IMAGE PROCESSING	25	33	3
15HP1A0463	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	31	3
15HP1A0463	RT41048	RADAR SYSTEMS	27	40	3
15HP1A0463	RT4104A	OPTICAL COMMUNICATION	21	33	3
15HP1A0463	RT4104L	V L S I LAB	23	43	2
15HP1A0463	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
15HP1A0464	RT41041	VLSI DESIGN	21	57	3
15HP1A0464	RT41042	COMPUTER NETWORKS	23	42	3
15HP1A0464	RT41043	DIGITAL IMAGE PROCESSING	25	37	3
15HP1A0464	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	54	3
15HP1A0464	RT41048	RADAR SYSTEMS	25	61	3
15HP1A0464	RT4104A	OPTICAL COMMUNICATION	22	33	3
15HP1A0464	RT4104L	V L S I LAB	22	35	2
15HP1A0464	RT4104M	MICROWAVE ENGINEERING LAB	21	44	2
15HP1A0465	RT41041	VLSI DESIGN	18	45	3
15HP1A0465	RT41042	COMPUTER NETWORKS	23	43	3
15HP1A0465	RT41043	DIGITAL IMAGE PROCESSING	23	39	3
15HP1A0465	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	29	36	3
15HP1A0465	RT41048	RADAR SYSTEMS	26	41	3
15HP1A0465	RT4104A	OPTICAL COMMUNICATION	24	39	3
15HP1A0465	RT4104L	V L S I LAB	21	49	2
15HP1A0465	RT4104M	MICROWAVE ENGINEERING LAB	24	48	2
15HP1A0467	RT41041	VLSI DESIGN	18	42	3
15HP1A0467	RT41042	COMPUTER NETWORKS	17	24	3
15HP1A0467	RT41043	DIGITAL IMAGE PROCESSING	24	24	3
15HP1A0467	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	37	3
15HP1A0467	RT41048	RADAR SYSTEMS	22	41	3
15HP1A0467	RT4104A	OPTICAL COMMUNICATION	17	27	3
15HP1A0467	RT4104L	V L S I LAB	19	33	2
15HP1A0467	RT4104M	MICROWAVE ENGINEERING LAB	21	45	2
15HP1A0468	RT41041	VLSI DESIGN	26	60	3
15HP1A0468	RT41042	COMPUTER NETWORKS	26	52	3
15HP1A0468	RT41043	DIGITAL IMAGE PROCESSING	28	59	3
15HP1A0468	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	29	53	3
15HP1A0468	RT41048	RADAR SYSTEMS	29	48	3
15HP1A0468	RT4104A	OPTICAL COMMUNICATION	28	46	3
15HP1A0468	RT4104L	V L S I LAB	25	49	2
15HP1A0468	RT4104M	MICROWAVE ENGINEERING LAB	24	48	2
15HP1A0469	RT41041	VLSI DESIGN	15	27	3
15HP1A0469	RT41042	COMPUTER NETWORKS	19	36	3
15HP1A0469	RT41043	DIGITAL IMAGE PROCESSING	20	24	3
15HP1A0469	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	29	3
15HP1A0469	RT41048	RADAR SYSTEMS	22	39	3
15HP1A0469	RT4104A	OPTICAL COMMUNICATION	20	14	0
15HP1A0469	RT4104L	V L S I LAB	17	31	2
15HP1A0469	RT4104M	MICROWAVE ENGINEERING LAB	20	38	2
15HP1A0470	RT41041	VLSI DESIGN	22	51	3
15HP1A0470	RT41042	COMPUTER NETWORKS	21	32	3
15HP1A0470	RT41043	DIGITAL IMAGE PROCESSING	23	32	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0470	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	28	3
15HP1A0470	RT41048	RADAR SYSTEMS	22	31	3
15HP1A0470	RT4104A	OPTICAL COMMUNICATION	23	33	3
15HP1A0470	RT4104L	V L S I LAB	17	36	2
15HP1A0470	RT4104M	MICROWAVE ENGINEERING LAB	20	38	2
15HP1A0471	RT41041	VLSI DESIGN	18	33	3
15HP1A0471	RT41042	COMPUTER NETWORKS	18	29	3
15HP1A0471	RT41043	DIGITAL IMAGE PROCESSING	22	32	3
15HP1A0471	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	38	3
15HP1A0471	RT41048	RADAR SYSTEMS	24	44	3
15HP1A0471	RT4104A	OPTICAL COMMUNICATION	18	24	3
15HP1A0471	RT4104L	V L S I LAB	21	46	2
15HP1A0471	RT4104M	MICROWAVE ENGINEERING LAB	18	42	2
15HP1A0473	RT41041	VLSI DESIGN	18	50	3
15HP1A0473	RT41042	COMPUTER NETWORKS	21	39	3
15HP1A0473	RT41043	DIGITAL IMAGE PROCESSING	17	24	3
15HP1A0473	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	33	3
15HP1A0473	RT41048	RADAR SYSTEMS	24	40	3
15HP1A0473	RT4104A	OPTICAL COMMUNICATION	18	29	3
15HP1A0473	RT4104L	V L S I LAB	17	41	2
15HP1A0473	RT4104M	MICROWAVE ENGINEERING LAB	18	38	2
15HP1A0474	RT41041	VLSI DESIGN	15	45	3
15HP1A0474	RT41042	COMPUTER NETWORKS	21	32	3
15HP1A0474	RT41043	DIGITAL IMAGE PROCESSING	23	37	3
15HP1A0474	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	35	3
15HP1A0474	RT41048	RADAR SYSTEMS	22	57	3
15HP1A0474	RT4104A	OPTICAL COMMUNICATION	22	26	3
15HP1A0474	RT4104L	V L S I LAB	18	30	2
15HP1A0474	RT4104M	MICROWAVE ENGINEERING LAB	19	46	2
15HP1A0475	RT41041	VLSI DESIGN	21	46	3
15HP1A0475	RT41042	COMPUTER NETWORKS	22	35	3
15HP1A0475	RT41043	DIGITAL IMAGE PROCESSING	20	35	3
15HP1A0475	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	36	3
15HP1A0475	RT41048	RADAR SYSTEMS	22	40	3
15HP1A0475	RT4104A	OPTICAL COMMUNICATION	20	44	3
15HP1A0475	RT4104L	V L S I LAB	18	44	2
15HP1A0475	RT4104M	MICROWAVE ENGINEERING LAB	21	42	2
15HP1A0476	RT41041	VLSI DESIGN	18	34	3
15HP1A0476	RT41042	COMPUTER NETWORKS	14	28	3
15HP1A0476	RT41043	DIGITAL IMAGE PROCESSING	19	28	3
15HP1A0476	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	31	3
15HP1A0476	RT41048	RADAR SYSTEMS	22	38	3
15HP1A0476	RT4104A	OPTICAL COMMUNICATION	20	24	3
15HP1A0476	RT4104L	VLSILAB	20	44	2
15HP1A0476	RT4104M	MICROWAVE ENGINEERING LAB	21	44	2
15HP1A0477	RT41041	VLSI DESIGN	25	56	3
15HP1A0477	RT41042	COMPUTER NETWORKS	26	49	3
15HP1A0477	RT41043	DIGITAL IMAGE PROCESSING	21	47	3
15HP1A0477	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	40	3
15HP1A0477	RT41048	RADAR SYSTEMS	25	40	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0477	RT4104A	OPTICAL COMMUNICATION	29	43	3
15HP1A0477	RT4104L	V L S I LAB	23	49	2
15HP1A0477	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
15HP1A0478	RT41041	VLSI DESIGN	23	45	3
15HP1A0478	RT41042	COMPUTER NETWORKS	20	44	3
15HP1A0478	RT41043	DIGITAL IMAGE PROCESSING	24	44	3
15HP1A0478	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	29	50	3
15HP1A0478	RT41048	RADAR SYSTEMS	27	58	3
15HP1A0478	RT4104A	OPTICAL COMMUNICATION	24	26	3
15HP1A0478	RT4104L	V L S I LAB	23	46	2
15HP1A0478	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
15HP1A0480	RT41041	VLSI DESIGN	21	48	3
15HP1A0480	RT41042	COMPUTER NETWORKS	26	35	3
15HP1A0480	RT41043	DIGITAL IMAGE PROCESSING	28	37	3
15HP1A0480	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	28	35	3
15HP1A0480	RT41048	RADAR SYSTEMS	27	39	3
15HP1A0480	RT4104A	OPTICAL COMMUNICATION	27	38	3
15HP1A0480	RT4104L	V L S I LAB	23	40	2
15HP1A0480	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
15HP1A0481	RT41041	VLSI DESIGN	21	45	3
15HP1A0481	RT41042	COMPUTER NETWORKS	22	28	3
15HP1A0481	RT41043	DIGITAL IMAGE PROCESSING	22	31	3
15HP1A0481	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	54	3
15HP1A0481	RT41048	RADAR SYSTEMS	20	51	3
15HP1A0481	RT4104A	OPTICAL COMMUNICATION	23	24	3
15HP1A0481	RT4104L	V L S I LAB	20	34	2
15HP1A0481	RT4104M	MICROWAVE ENGINEERING LAB	19	41	2
15HP1A0482	RT41041	VLSI DESIGN	16	39	3
15HP1A0482	RT41042	COMPUTER NETWORKS	18	34	3
15HP1A0482	RT41043	DIGITAL IMAGE PROCESSING	20	16	0
15HP1A0482	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	34	3
15HP1A0482	RT41048	RADAR SYSTEMS	22	35	3
15HP1A0482	RT4104A	OPTICAL COMMUNICATION	20	29	3
15HP1A0482	RT4104L	V L S I LAB	17	30	2
15HP1A0482	RT4104M	MICROWAVE ENGINEERING LAB	19	38	2
15HP1A0483	RT41041	VLSI DESIGN	19	36	3
15HP1A0483	RT41042	COMPUTER NETWORKS	16	30	3
15HP1A0483	RT41043	DIGITAL IMAGE PROCESSING	17	14	0
15HP1A0483	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	35	3
15HP1A0483	RT41048	RADAR SYSTEMS	18	49	3
15HP1A0483	RT4104A	OPTICAL COMMUNICATION	23	26	3
15HP1A0483	RT4104L	V L S I LAB	20	35	2
15HP1A0483	RT4104M	MICROWAVE ENGINEERING LAB	20	42	2
15HP1A0484	RT41041	VLSI DESIGN	24	59	3
15HP1A0484	RT41042	COMPUTER NETWORKS	22	36	3
15HP1A0484	RT41043	DIGITAL IMAGE PROCESSING	28	35	3
15HP1A0484	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	29	36	3
15HP1A0484	RT41048	RADAR SYSTEMS	23	56	3
15HP1A0484	RT4104A	OPTICAL COMMUNICATION	24	39	3
15HP1A0484	RT4104L	V L S I LAB	22	50	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0484	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
15HP1A0485	RT41041	VLSI DESIGN	21	44	3
15HP1A0485	RT41042	COMPUTER NETWORKS	21	33	3
15HP1A0485	RT41043	DIGITAL IMAGE PROCESSING	22	44	3
15HP1A0485	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	65	3
15HP1A0485	RT41048	RADAR SYSTEMS	25	52	3
15HP1A0485	RT4104A	OPTICAL COMMUNICATION	21	33	3
15HP1A0485	RT4104L	V L S I LAB	22	45	2
15HP1A0485	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
15HP1A0486	RT41041	VLSI DESIGN	23	43	3
15HP1A0486	RT41042	COMPUTER NETWORKS	18	34	3
15HP1A0486	RT41043	DIGITAL IMAGE PROCESSING	18	32	3
15HP1A0486	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	33	3
15HP1A0486	RT41048	RADAR SYSTEMS	19	35	3
15HP1A0486	RT4104A	OPTICAL COMMUNICATION	22	31	3
15HP1A0486	RT4104L	V L S I LAB	21	47	2
15HP1A0486	RT4104M	MICROWAVE ENGINEERING LAB	21	46	2
15HP1A0487	RT41041	VLSI DESIGN	25	59	3
15HP1A0487	RT41042	COMPUTER NETWORKS	21	26	3
15HP1A0487	RT41043	DIGITAL IMAGE PROCESSING	24	50	3
15HP1A0487	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	28	45	3
15HP1A0487	RT41048	RADAR SYSTEMS	22	59	3
15HP1A0487	RT4104A	OPTICAL COMMUNICATION	23	35	3
15HP1A0487	RT4104L	V L S I LAB	23	49	2
15HP1A0487	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
15HP1A0488	RT41041	VLSI DESIGN	23	55	3
15HP1A0488	RT41042	COMPUTER NETWORKS	24	51	3
15HP1A0488	RT41043	DIGITAL IMAGE PROCESSING	25	46	3
15HP1A0488	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	39	3
15HP1A0488	RT41048	RADAR SYSTEMS	29	51	3
15HP1A0488	RT4104A	OPTICAL COMMUNICATION	24	52	3
15HP1A0488	RT4104L	V L S I LAB	22	50	2
15HP1A0488	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
15HP1A0489	RT41041	VLSI DESIGN	21	36	3
15HP1A0489	RT41042	COMPUTER NETWORKS	20	32	3
15HP1A0489	RT41043	DIGITAL IMAGE PROCESSING	17	25	3
15HP1A0489	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	41	3
15HP1A0489	RT41048	RADAR SYSTEMS	22	40	3
15HP1A0489	RT4104A	OPTICAL COMMUNICATION	24	24	3
15HP1A0489	RT4104L	V L S I LAB	15	43	2
15HP1A0489	RT4104M	MICROWAVE ENGINEERING LAB	21	44	2
15HP1A0491	RT41041	VLSI DESIGN	22	48	3
15HP1A0491	RT41042	COMPUTER NETWORKS	17	24	3
15HP1A0491	RT41043	DIGITAL IMAGE PROCESSING	19	33	3
15HP1A0491	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	37	3
15HP1A0491	RT41048	RADAR SYSTEMS	20	41	3
15HP1A0491	RT4104A	OPTICAL COMMUNICATION	18	29	3
15HP1A0491	RT4104L	V L S I LAB	20	39	2
15HP1A0491	RT4104M	MICROWAVE ENGINEERING LAB	20	43	2
15HP1A0492	RT41041	VLSI DESIGN	11	29	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0492	RT41042	COMPUTER NETWORKS	11	15	0
15HP1A0492	RT41043	DIGITAL IMAGE PROCESSING	13	5	0
15HP1A0492	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	10	5	0
15HP1A0492	RT41048	RADAR SYSTEMS	17	24	3
15HP1A0492	RT4104A	OPTICAL COMMUNICATION	16	0	0
15HP1A0492	RT4104L	V L S I LAB	4	26	2
15HP1A0492	RT4104M	MICROWAVE ENGINEERING LAB	13	34	2
15HP1A0494	RT41041	VLSI DESIGN	18	37	3
15HP1A0494	RT41042	COMPUTER NETWORKS	19	36	3
15HP1A0494	RT41043	DIGITAL IMAGE PROCESSING	16	28	3
15HP1A0494	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	12	31	3
15HP1A0494	RT41048	RADAR SYSTEMS	19	39	3
15HP1A0494	RT4104A	OPTICAL COMMUNICATION	15	32	3
15HP1A0494	RT4104L	V L S I LAB	12	29	2
15HP1A0494	RT4104M	MICROWAVE ENGINEERING LAB	7	34	2
15HP1A0495	RT41041	VLSI DESIGN	15	28	3
15HP1A0495	RT41042	COMPUTER NETWORKS	19	27	3
15HP1A0495	RT41043	DIGITAL IMAGE PROCESSING	19	28	3
15HP1A0495	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	62	3
15HP1A0495	RT41048	RADAR SYSTEMS	22	36	3
15HP1A0495	RT4104A	OPTICAL COMMUNICATION	18	29	3
15HP1A0495	RT4104L	V L S I LAB	18	29	2
15HP1A0495	RT4104M	MICROWAVE ENGINEERING LAB	18	34	2
15HP1A0496	RT41041	VLSI DESIGN	21	40	3
15HP1A0496	RT41042	COMPUTER NETWORKS	18	26	3
15HP1A0496	RT41043	DIGITAL IMAGE PROCESSING	15	39	3
15HP1A0496	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	32	3
15HP1A0496	RT41048	RADAR SYSTEMS	23	24	3
15HP1A0496	RT4104A	OPTICAL COMMUNICATION	20	28	3
15HP1A0496	RT4104L	V L S I LAB	18	32	2
15HP1A0496	RT4104M	MICROWAVE ENGINEERING LAB	19	41	2
15HP1A0497	RT41041	VLSI DESIGN	14	27	3
15HP1A0497	RT41042	COMPUTER NETWORKS	12	28	3
15HP1A0497	RT41043	DIGITAL IMAGE PROCESSING	18	24	3
15HP1A0497	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	12	23	0
15HP1A0497	RT41048	RADAR SYSTEMS	14	33	3
15HP1A0497	RT4104A	OPTICAL COMMUNICATION	17	25	3
15HP1A0497	RT4104L	V L S I LAB	16	35	2
15HP1A0497	RT4104M	MICROWAVE ENGINEERING LAB	18	35	2
15HP1A0498	RT41041	VLSI DESIGN	21	34	3
15HP1A0498	RT41042	COMPUTER NETWORKS	17	27	3
15HP1A0498	RT41043	DIGITAL IMAGE PROCESSING	17	25	3
15HP1A0498	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	13	28	3
15HP1A0498	RT41048	RADAR SYSTEMS	20	35	3
15HP1A0498	RT4104A	OPTICAL COMMUNICATION	16	29	3
15HP1A0498	RT4104L	V L S I LAB	10	40	2
15HP1A0498	RT4104M	MICROWAVE ENGINEERING LAB	20	40	2
15HP1A0499	RT41041	VLSI DESIGN	17	50	3
15HP1A0499	RT41042	COMPUTER NETWORKS	22	44	3
15HP1A0499	RT41043	DIGITAL IMAGE PROCESSING	23	27	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0499	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	43	3
15HP1A0499	RT41048	RADAR SYSTEMS	24	38	3
15HP1A0499	RT4104A	OPTICAL COMMUNICATION	20	36	3
15HP1A0499	RT4104L	V L S I LAB	22	46	2
15HP1A0499	RT4104M	MICROWAVE ENGINEERING LAB	19	40	2
15HP1A04A0	RT41041	VLSI DESIGN	18	53	3
15HP1A04A0	RT41042	COMPUTER NETWORKS	22	41	3
15HP1A04A0	RT41043	DIGITAL IMAGE PROCESSING	22	52	3
15HP1A04A0	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	39	3
15HP1A04A0	RT41048	RADAR SYSTEMS	18	39	3
15HP1A04A0	RT4104A	OPTICAL COMMUNICATION	25	48	3
15HP1A04A0	RT4104L	V L S I LAB	22	43	2
15HP1A04A0	RT4104M	MICROWAVE ENGINEERING LAB	21	40	2
15HP1A04A1	RT41041	VLSI DESIGN	24	61	3
15HP1A04A1	RT41042	COMPUTER NETWORKS	24	39	3
15HP1A04A1	RT41043	DIGITAL IMAGE PROCESSING	18	30	3
15HP1A04A1	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	44	3
15HP1A04A1	RT41048	RADAR SYSTEMS	23	51	3
15HP1A04A1	RT4104A	OPTICAL COMMUNICATION	25	42	3
15HP1A04A1	RT4104L	V L S I LAB	18	49	2
15HP1A04A1	RT4104M	MICROWAVE ENGINEERING LAB	24	45	2
15HP1A04A4	RT41041	VLSI DESIGN	18	35	3
15HP1A04A4	RT41042	COMPUTER NETWORKS	18	32	3
15HP1A04A4	RT41043	DIGITAL IMAGE PROCESSING	19	28	3
15HP1A04A4	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	30	3
15HP1A04A4	RT41048	RADAR SYSTEMS	22	31	3
15HP1A04A4	RT4104A	OPTICAL COMMUNICATION	20	29	3
15HP1A04A4	RT4104L	V L S I LAB	20	47	2
15HP1A04A4	RT4104M	MICROWAVE ENGINEERING LAB	20	42	2
15HP1A04A5	RT41041	VLSI DESIGN	14	19	0
15HP1A04A5	RT41042	COMPUTER NETWORKS	11	30	3
15HP1A04A5	RT41043	DIGITAL IMAGE PROCESSING	15	12	0
15HP1A04A5	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	7	8	0
15HP1A04A5	RT41048	RADAR SYSTEMS	20	26	3
15HP1A04A5	RT4104A	OPTICAL COMMUNICATION	16	6	0
15HP1A04A5	RT4104L	V L S I LAB	14	30	2
15HP1A04A5	RT4104M	MICROWAVE ENGINEERING LAB	17	36	2
15HP1A04A7	RT41041	VLSI DESIGN	19	54	3
15HP1A04A7	RT41042	COMPUTER NETWORKS	18	33	3
15HP1A04A7	RT41043	DIGITAL IMAGE PROCESSING	23	42	3
15HP1A04A7	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	33	3
15HP1A04A7	RT41048	RADAR SYSTEMS	22	40	3
15HP1A04A7	RT4104A	OPTICAL COMMUNICATION	26	33	3
15HP1A04A7	RT4104L	V L S I LAB	19	48	2
15HP1A04A7	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
15HP1A04A8	RT41041	VLSI DESIGN	17	37	3
15HP1A04A8	RT41042	COMPUTER NETWORKS	15	31	3
15HP1A04A8	RT41043	DIGITAL IMAGE PROCESSING	14	37	3
15HP1A04A8	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	27	3
15HP1A04A8	RT41048	RADAR SYSTEMS	19	35	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A04A8	RT4104A	OPTICAL COMMUNICATION	17	26	3
15HP1A04A8	RT4104L	V L S I LAB	18	38	2
15HP1A04A8	RT4104M	MICROWAVE ENGINEERING LAB	19	42	2
15HP1A04B0	RT41041	VLSI DESIGN	23	45	3
15HP1A04B0	RT41042	COMPUTER NETWORKS	21	44	3
15HP1A04B0	RT41043	DIGITAL IMAGE PROCESSING	20	42	3
15HP1A04B0	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	36	3
15HP1A04B0	RT41048	RADAR SYSTEMS	23	35	3
15HP1A04B0	RT4104A	OPTICAL COMMUNICATION	25	38	3
15HP1A04B0	RT4104L	V L S I LAB	19	39	2
15HP1A04B0	RT4104M	MICROWAVE ENGINEERING LAB	21	44	2
15HP1A04B1	RT41041	VLSI DESIGN	15	25	3
15HP1A04B1	RT41042	COMPUTER NETWORKS	15	27	3
15HP1A04B1	RT41043	DIGITAL IMAGE PROCESSING	15	15	0
15HP1A04B1	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	14	9	0
15HP1A04B1	RT41048	RADAR SYSTEMS	21	12	0
15HP1A04B1	RT4104A	OPTICAL COMMUNICATION	15	12	0
15HP1A04B1	RT4104L	V L S I LAB	18	45	2
15HP1A04B1	RT4104M	MICROWAVE ENGINEERING LAB	19	42	2
15HP1A04B2	RT41041	VLSI DESIGN	17	56	3
15HP1A04B2	RT41042	COMPUTER NETWORKS	24	36	3
15HP1A04B2	RT41043	DIGITAL IMAGE PROCESSING	22	24	3
15HP1A04B2	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	31	3
15HP1A04B2	RT41048	RADAR SYSTEMS	22	38	3
15HP1A04B2	RT4104A	OPTICAL COMMUNICATION	21	33	3
15HP1A04B2	RT4104L	V L S I LAB	20	49	2
15HP1A04B2	RT4104M	MICROWAVE ENGINEERING LAB	21	43	2
15HP1A04B3	RT41041	VLSI DESIGN	18	37	3
15HP1A04B3	RT41042	COMPUTER NETWORKS	18	28	3
15HP1A04B3	RT41043	DIGITAL IMAGE PROCESSING	18	24	3
15HP1A04B3	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	24	3
15HP1A04B3	RT41048	RADAR SYSTEMS	23	44	3
15HP1A04B3	RT4104A	OPTICAL COMMUNICATION	21	29	3
15HP1A04B3	RT4104L	V L S I LAB	11	31	2
15HP1A04B3	RT4104M	MICROWAVE ENGINEERING LAB	16	44	2
15HP1A04B4	RT41041	VLSI DESIGN	18	48	3
15HP1A04B4	RT41042	COMPUTER NETWORKS	21	32	3
15HP1A04B4	RT41043	DIGITAL IMAGE PROCESSING	23	40	3
15HP1A04B4	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	32	3
15HP1A04B4	RT41048	RADAR SYSTEMS	20	37	3
15HP1A04B4	RT4104A	OPTICAL COMMUNICATION	24	38	3
15HP1A04B4	RT4104L	V L S I LAB	21	37	2
15HP1A04B4	RT4104M	MICROWAVE ENGINEERING LAB	21	44	2
15HP1A04B5	RT41041	VLSI DESIGN	16	30	3
15HP1A04B5	RT41042	COMPUTER NETWORKS	15	32	3
15HP1A04B5	RT41043	DIGITAL IMAGE PROCESSING	19	25	3
15HP1A04B5	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	15	0	0
15HP1A04B5	RT41048	RADAR SYSTEMS	15	31	3
15HP1A04B5	RT4104A	OPTICAL COMMUNICATION	15	0	0
15HP1A04B5	RT4104L	V L S I LAB	18	34	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A04B5	RT4104M	MICROWAVE ENGINEERING LAB	16	42	2
15HP1A0501	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	29	3
15HP1A0501	RT41052	UML AND DESIGN PATTERNS	27	44	3
15HP1A0501	RT41053	MOBILE COMPUTING	27	39	3
15HP1A0501	RT41054	SOFTWARE TESTING METHODOLOGIES	25	44	3
15HP1A0501	RT4105B	HADOOP AND BIG DATA	25	40	3
15HP1A0501	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
15HP1A0501	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	47	2
15HP1A0501	RT4105N	SOFTWARE TESTING LAB	24	49	2
15HP1A0501	RT4105O	HADOOP AND BIGDATA LAB	24	49	2
15HP1A0502	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	24	3
15HP1A0502	RT41052	UML AND DESIGN PATTERNS	21	46	3
15HP1A0502	RT41053	MOBILE COMPUTING	20	36	3
15HP1A0502	RT41054	SOFTWARE TESTING METHODOLOGIES	20	37	3
15HP1A0502	RT4105B	HADOOP AND BIG DATA	22	45	3
15HP1A0502	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
15HP1A0502	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	43	2
15HP1A0502	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A0502	RT4105O	HADOOP AND BIGDATA LAB	21	45	2
15HP1A0503	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	46	3
15HP1A0503	RT41052	UML AND DESIGN PATTERNS	23	51	3
15HP1A0503	RT41053	MOBILE COMPUTING	26	47	3
15HP1A0503	RT41054	SOFTWARE TESTING METHODOLOGIES	25	44	3
15HP1A0503	RT4105B	HADOOP AND BIG DATA	26	38	3
15HP1A0503	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
15HP1A0503	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	44	2
15HP1A0503	RT4105N	SOFTWARE TESTING LAB	23	49	2
15HP1A0503	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
15HP1A0504	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	30	3
15HP1A0504	RT41052	UML AND DESIGN PATTERNS	25	42	3
15HP1A0504	RT41053	MOBILE COMPUTING	24	40	3
15HP1A0504	RT41054	SOFTWARE TESTING METHODOLOGIES	23	48	3
15HP1A0504	RT4105B	HADOOP AND BIG DATA	23	39	3
15HP1A0504	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
15HP1A0504	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	42	2
15HP1A0504	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A0504	RT4105O	HADOOP AND BIGDATA LAB	23	45	2
15HP1A0505	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	15	0
15HP1A0505	RT41052	UML AND DESIGN PATTERNS	22	31	3
15HP1A0505	RT41053	MOBILE COMPUTING	18	29	3
15HP1A0505	RT41054	SOFTWARE TESTING METHODOLOGIES	25	27	3
15HP1A0505	RT4105B	HADOOP AND BIG DATA	20	26	3
15HP1A0505	RT4105L	UML AND DESIGN PATTERNS LAB	23	45	2
15HP1A0505	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	40	2
15HP1A0505	RT4105N	SOFTWARE TESTING LAB	23	46	2
15HP1A0505	RT4105O	HADOOP AND BIGDATA LAB	23	43	2
15HP1A0506	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	35	3
15HP1A0506	RT41052	UML AND DESIGN PATTERNS	24	37	3
15HP1A0506	RT41053	MOBILE COMPUTING	27	34	3
15HP1A0506	RT41054	SOFTWARE TESTING METHODOLOGIES	26	45	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0506	RT4105B	HADOOP AND BIG DATA	28	47	3
15HP1A0506	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
15HP1A0506	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	44	2
15HP1A0506	RT4105N	SOFTWARE TESTING LAB	24	49	2
15HP1A0506	RT4105O	HADOOP AND BIGDATA LAB	23	48	2
15HP1A0507	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	44	3
15HP1A0507	RT41052	UML AND DESIGN PATTERNS	24	30	3
15HP1A0507	RT41053	MOBILE COMPUTING	27	38	3
15HP1A0507	RT41054	SOFTWARE TESTING METHODOLOGIES	25	35	3
15HP1A0507	RT4105B	HADOOP AND BIG DATA	27	34	3
15HP1A0507	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
15HP1A0507	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	43	2
15HP1A0507	RT4105N	SOFTWARE TESTING LAB	23	47	2
15HP1A0507	RT4105O	HADOOP AND BIGDATA LAB	23	46	2
15HP1A0508	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	40	3
15HP1A0508	RT41052	UML AND DESIGN PATTERNS	25	30	3
15HP1A0508	RT41053	MOBILE COMPUTING	20	31	3
15HP1A0508	RT41054	SOFTWARE TESTING METHODOLOGIES	22	44	3
15HP1A0508	RT4105B	HADOOP AND BIG DATA	22	35	3
15HP1A0508	RT4105L	UML AND DESIGN PATTERNS LAB	24	50	2
15HP1A0508	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	46	2
15HP1A0508	RT4105N	SOFTWARE TESTING LAB	23	49	2
15HP1A0508	RT4105O	HADOOP AND BIGDATA LAB	24	44	2
15HP1A0509	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	28	29	3
15HP1A0509	RT41052	UML AND DESIGN PATTERNS	25	52	3
15HP1A0509	RT41053	MOBILE COMPUTING	24	43	3
15HP1A0509	RT41054	SOFTWARE TESTING METHODOLOGIES	26	38	3
15HP1A0509	RT4105B	HADOOP AND BIG DATA	29	40	3
15HP1A0509	RT4105L	UML AND DESIGN PATTERNS LAB	23	49	2
15HP1A0509	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	42	2
15HP1A0509	RT4105N	SOFTWARE TESTING LAB	23	47	2
15HP1A0509	RT4105O	HADOOP AND BIGDATA LAB	21	46	2
15HP1A0510	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	29	52	3
15HP1A0510	RT41052	UML AND DESIGN PATTERNS	26	54	3
15HP1A0510	RT41053	MOBILE COMPUTING	26	43	3
15HP1A0510	RT41054	SOFTWARE TESTING METHODOLOGIES	27	47	3
15HP1A0510	RT4105B	HADOOP AND BIG DATA	27	53	3
15HP1A0510	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0510	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	45	2
15HP1A0510	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A0510	RT4105O	HADOOP AND BIGDATA LAB	24	47	2
15HP1A0511	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	43	3
15HP1A0511	RT41052	UML AND DESIGN PATTERNS	26	55	3
15HP1A0511	RT41053	MOBILE COMPUTING	23	46	3
15HP1A0511	RT41054	SOFTWARE TESTING METHODOLOGIES	26	45	3
15HP1A0511	RT4105B	HADOOP AND BIG DATA	27	42	3
15HP1A0511	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
15HP1A0511	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	45	2
15HP1A0511	RT4105N	SOFTWARE TESTING LAB	23	48	2
15HP1A0511	RT4105O	HADOOP AND BIGDATA LAB	25	49	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0512	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	34	3
15HP1A0512	RT41052	UML AND DESIGN PATTERNS	27	37	3
15HP1A0512	RT41053	MOBILE COMPUTING	23	32	3
15HP1A0512	RT41054	SOFTWARE TESTING METHODOLOGIES	23	52	3
15HP1A0512	RT4105B	HADOOP AND BIG DATA	23	40	3
15HP1A0512	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
15HP1A0512	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	44	2
15HP1A0512	RT4105N	SOFTWARE TESTING LAB	22	47	2
15HP1A0512	RT4105O	HADOOP AND BIGDATA LAB	22	46	2
15HP1A0513	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	29	3
15HP1A0513	RT41052	UML AND DESIGN PATTERNS	24	49	3
15HP1A0513	RT41053	MOBILE COMPUTING	25	31	3
15HP1A0513	RT41054	SOFTWARE TESTING METHODOLOGIES	25	33	3
15HP1A0513	RT4105B	HADOOP AND BIG DATA	24	42	3
15HP1A0513	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
15HP1A0513	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	44	2
15HP1A0513	RT4105N	SOFTWARE TESTING LAB	23	46	2
15HP1A0513	RT4105O	HADOOP AND BIGDATA LAB	25	48	2
15HP1A0514	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	41	3
15HP1A0514	RT41052	UML AND DESIGN PATTERNS	28	48	3
15HP1A0514	RT41053	MOBILE COMPUTING	27	36	3
15HP1A0514	RT41054	SOFTWARE TESTING METHODOLOGIES	26	35	3
15HP1A0514	RT4105B	HADOOP AND BIG DATA	25	54	3
15HP1A0514	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0514	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	50	2
15HP1A0514	RT4105N	SOFTWARE TESTING LAB	24	49	2
15HP1A0514	RT4105O	HADOOP AND BIGDATA LAB	24	47	2
15HP1A0515	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	37	3
15HP1A0515	RT41052	UML AND DESIGN PATTERNS	23	40	3
15HP1A0515	RT41053	MOBILE COMPUTING	21	30	3
15HP1A0515	RT41054	SOFTWARE TESTING METHODOLOGIES	22	33	3
15HP1A0515	RT4105B	HADOOP AND BIG DATA	19	33	3
15HP1A0515	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
15HP1A0515	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	44	2
15HP1A0515	RT4105N	SOFTWARE TESTING LAB	22	48	2
15HP1A0515	RT4105O	HADOOP AND BIGDATA LAB	21	42	2
15HP1A0516	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	53	3
15HP1A0516	RT41052	UML AND DESIGN PATTERNS	24	43	3
15HP1A0516	RT41053	MOBILE COMPUTING	25	36	3
15HP1A0516	RT41054	SOFTWARE TESTING METHODOLOGIES	22	57	3
15HP1A0516	RT4105B	HADOOP AND BIG DATA	23	35	3
15HP1A0516	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
15HP1A0516	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	45	2
15HP1A0516	RT4105N	SOFTWARE TESTING LAB	23	48	2
15HP1A0516	RT4105O	HADOOP AND BIGDATA LAB	23	44	2
15HP1A0517	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	29	3
15HP1A0517	RT41052	UML AND DESIGN PATTERNS	25	50	3
15HP1A0517	RT41053	MOBILE COMPUTING	28	56	3
15HP1A0517	RT41054	SOFTWARE TESTING METHODOLOGIES	26	44	3
15HP1A0517	RT4105B	HADOOP AND BIG DATA	24	45	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0517	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
15HP1A0517	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	47	2
15HP1A0517	RT4105N	SOFTWARE TESTING LAB	23	49	2
15HP1A0517	RT4105O	HADOOP AND BIGDATA LAB	25	47	2
15HP1A0518	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	31	3
15HP1A0518	RT41052	UML AND DESIGN PATTERNS	22	52	3
15HP1A0518	RT41053	MOBILE COMPUTING	25	44	3
15HP1A0518	RT41054	SOFTWARE TESTING METHODOLOGIES	25	42	3
15HP1A0518	RT4105B	HADOOP AND BIG DATA	21	46	3
15HP1A0518	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
15HP1A0518	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
15HP1A0518	RT4105N	SOFTWARE TESTING LAB	24	49	2
15HP1A0518	RT4105O	HADOOP AND BIGDATA LAB	24	49	2
15HP1A0519	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	55	3
15HP1A0519	RT41052	UML AND DESIGN PATTERNS	22	60	3
15HP1A0519	RT41053	MOBILE COMPUTING	27	47	3
15HP1A0519	RT41054	SOFTWARE TESTING METHODOLOGIES	23	50	3
15HP1A0519	RT4105B	HADOOP AND BIG DATA	19	43	3
15HP1A0519	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
15HP1A0519	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	46	2
15HP1A0519	RT4105N	SOFTWARE TESTING LAB	22	46	2
15HP1A0519	RT4105O	HADOOP AND BIGDATA LAB	22	46	2
15HP1A0520	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	28	57	3
15HP1A0520	RT41052	UML AND DESIGN PATTERNS	26	47	3
15HP1A0520	RT41053	MOBILE COMPUTING	27	31	3
15HP1A0520	RT41054	SOFTWARE TESTING METHODOLOGIES	27	47	3
15HP1A0520	RT4105B	HADOOP AND BIG DATA	25	51	3
15HP1A0520	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0520	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	48	2
15HP1A0520	RT4105N	SOFTWARE TESTING LAB	23	48	2
15HP1A0520	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
15HP1A0521	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	29	3
15HP1A0521	RT41052	UML AND DESIGN PATTERNS	28	57	3
15HP1A0521	RT41053	MOBILE COMPUTING	25	56	3
15HP1A0521	RT41054	SOFTWARE TESTING METHODOLOGIES	25	56	3
15HP1A0521	RT4105B	HADOOP AND BIG DATA	25	52	3
15HP1A0521	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0521	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
15HP1A0521	RT4105N	SOFTWARE TESTING LAB	23	49	2
15HP1A0521	RT4105O	HADOOP AND BIGDATA LAB	22	47	2
15HP1A0522	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	38	3
15HP1A0522	RT41052	UML AND DESIGN PATTERNS	19	48	3
15HP1A0522	RT41053	MOBILE COMPUTING	20	35	3
15HP1A0522	RT41054	SOFTWARE TESTING METHODOLOGIES	21	40	3
15HP1A0522	RT4105B	HADOOP AND BIG DATA	23	48	3
15HP1A0522	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0522	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	47	2
15HP1A0522	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A0522	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
		CRYPTOGRAPHY AND NETWORK SECURITY	28	51	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0523	RT41052	UML AND DESIGN PATTERNS	27	54	3
15HP1A0523	RT41053	MOBILE COMPUTING	25	38	3
15HP1A0523	RT41054	SOFTWARE TESTING METHODOLOGIES	27	47	3
15HP1A0523	RT4105B	HADOOP AND BIG DATA	27	41	3
15HP1A0523	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0523	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	48	2
15HP1A0523	RT4105N	SOFTWARE TESTING LAB	25	50	2
15HP1A0523	RT4105O	HADOOP AND BIGDATA LAB	24	47	2
15HP1A0524	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	57	3
15HP1A0524	RT41052	UML AND DESIGN PATTERNS	22	42	3
15HP1A0524	RT41053	MOBILE COMPUTING	22	44	3
15HP1A0524	RT41054	SOFTWARE TESTING METHODOLOGIES	26	52	3
15HP1A0524	RT4105B	HADOOP AND BIG DATA	27	47	3
15HP1A0524	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
15HP1A0524	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	43	2
15HP1A0524	RT4105N	SOFTWARE TESTING LAB	24	49	2
15HP1A0524	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
15HP1A0525	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	24	3
15HP1A0525	RT41052	UML AND DESIGN PATTERNS	23	35	3
15HP1A0525	RT41053	MOBILE COMPUTING	26	37	3
15HP1A0525	RT41054	SOFTWARE TESTING METHODOLOGIES	23	41	3
15HP1A0525	RT4105B	HADOOP AND BIG DATA	23	40	3
15HP1A0525	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
15HP1A0525	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	44	2
15HP1A0525	RT4105N	SOFTWARE TESTING LAB	23	48	2
15HP1A0525	RT4105O	HADOOP AND BIGDATA LAB	23	44	2
15HP1A0526	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	28	35	3
15HP1A0526	RT41052	UML AND DESIGN PATTERNS	23	52	3
15HP1A0526	RT41053	MOBILE COMPUTING	28	37	3
15HP1A0526	RT41054	SOFTWARE TESTING METHODOLOGIES	24	40	3
15HP1A0526	RT4105B	HADOOP AND BIG DATA	29	46	3
15HP1A0526	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
15HP1A0526	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	43	2
15HP1A0526	RT4105N	SOFTWARE TESTING LAB	23	49	2
15HP1A0526	RT4105O	HADOOP AND BIGDATA LAB	24	49	2
15HP1A0527	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	30	60	3
15HP1A0527	RT41052	UML AND DESIGN PATTERNS	26	67	3
15HP1A0527	RT41053	MOBILE COMPUTING	27	38	3
15HP1A0527	RT41054	SOFTWARE TESTING METHODOLOGIES	25	58	3
15HP1A0527	RT4105B	HADOOP AND BIG DATA	29	51	3
15HP1A0527	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0527	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
15HP1A0527	RT4105N	SOFTWARE TESTING LAB	25	50	2
15HP1A0527	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
15HP1A0528	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	37	3
15HP1A0528	RT41052	UML AND DESIGN PATTERNS	23	40	3
15HP1A0528	RT41053	MOBILE COMPUTING	25	37	3
15HP1A0528	RT41054	SOFTWARE TESTING METHODOLOGIES	24	46	3
15HP1A0528	RT4105B	HADOOP AND BIG DATA	22	39	3
15HP1A0528	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0528	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
15HP1A0528	RT4105N	SOFTWARE TESTING LAB	24	49	2
15HP1A0528	RT4105O	HADOOP AND BIGDATA LAB	24	45	2
15HP1A0529	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	24	3
15HP1A0529	RT41052	UML AND DESIGN PATTERNS	23	57	3
15HP1A0529	RT41053	MOBILE COMPUTING	23	55	3
15HP1A0529	RT41054	SOFTWARE TESTING METHODOLOGIES	24	44	3
15HP1A0529	RT4105B	HADOOP AND BIG DATA	24	42	3
15HP1A0529	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0529	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	44	2
15HP1A0529	RT4105N	SOFTWARE TESTING LAB	23	49	2
15HP1A0529	RT4105O	HADOOP AND BIGDATA LAB	24	44	2
15HP1A0530	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	24	3
15HP1A0530	RT41052	UML AND DESIGN PATTERNS	19	38	3
15HP1A0530	RT41053	MOBILE COMPUTING	21	31	3
15HP1A0530	RT41054	SOFTWARE TESTING METHODOLOGIES	21	37	3
15HP1A0530	RT4105B	HADOOP AND BIG DATA	20	45	3
15HP1A0530	RT4105L	UML AND DESIGN PATTERNS LAB	21	46	2
15HP1A0530	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	42	2
15HP1A0530	RT4105N	SOFTWARE TESTING LAB	23	46	2
15HP1A0530	RT4105O	HADOOP AND BIGDATA LAB	21	43	2
15HP1A0531	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	36	3
15HP1A0531	RT41052	UML AND DESIGN PATTERNS	22	56	3
15HP1A0531	RT41053	MOBILE COMPUTING	20	32	3
15HP1A0531	RT41054	SOFTWARE TESTING METHODOLOGIES	20	37	3
15HP1A0531	RT4105B	HADOOP AND BIG DATA	20	35	3
15HP1A0531	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
15HP1A0531	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	42	2
15HP1A0531	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A0531	RT4105O	HADOOP AND BIGDATA LAB	22	44	2
15HP1A0532	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	37	3
15HP1A0532	RT41052	UML AND DESIGN PATTERNS	25	40	3
15HP1A0532	RT41053	MOBILE COMPUTING	27	34	3
15HP1A0532	RT41054	SOFTWARE TESTING METHODOLOGIES	26	47	3
15HP1A0532	RT4105B	HADOOP AND BIG DATA	28	39	3
15HP1A0532	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0532	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	48	2
15HP1A0532	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A0532	RT4105O	HADOOP AND BIGDATA LAB	25	48	2
15HP1A0533	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	15	0
15HP1A0533	RT41052	UML AND DESIGN PATTERNS	15	25	3
15HP1A0533	RT41053	MOBILE COMPUTING	21	10	0
15HP1A0533	RT41054	SOFTWARE TESTING METHODOLOGIES	17	25	3
15HP1A0533	RT4105B	HADOOP AND BIG DATA	17	25	3
15HP1A0533	RT4105L	UML AND DESIGN PATTERNS LAB	21	43	2
15HP1A0533	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	35	2
15HP1A0533	RT4105N	SOFTWARE TESTING LAB	22	47	2
15HP1A0533	RT4105O	HADOOP AND BIGDATA LAB	17	36	2
15HP1A0534	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	11	0
15HP1A0534	RT41052	UML AND DESIGN PATTERNS	11	24	0

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0534	RT41053	MOBILE COMPUTING	19	24	3
15HP1A0534	RT41054	SOFTWARE TESTING METHODOLOGIES	16	24	3
15HP1A0534	RT4105B	HADOOP AND BIG DATA	21	26	3
15HP1A0534	RT4105L	UML AND DESIGN PATTERNS LAB	21	45	2
15HP1A0534	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	37	2
15HP1A0534	RT4105N	SOFTWARE TESTING LAB	23	47	2
15HP1A0534	RT4105O	HADOOP AND BIGDATA LAB	18	40	2
15HP1A0536	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	45	3
15HP1A0536	RT41052	UML AND DESIGN PATTERNS	22	50	3
15HP1A0536	RT41053	MOBILE COMPUTING	17	32	3
15HP1A0536	RT41054	SOFTWARE TESTING METHODOLOGIES	23	50	3
15HP1A0536	RT4105B	HADOOP AND BIG DATA	21	37	3
15HP1A0536	RT4105L	UML AND DESIGN PATTERNS LAB	24	50	2
15HP1A0536	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	50	2
15HP1A0536	RT4105N	SOFTWARE TESTING LAB	23	50	2
15HP1A0536	RT4105O	HADOOP AND BIGDATA LAB	23	45	2
15HP1A0537	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	31	3
15HP1A0537	RT41052	UML AND DESIGN PATTERNS	24	33	3
15HP1A0537	RT41053	MOBILE COMPUTING	23	36	3
15HP1A0537	RT41054	SOFTWARE TESTING METHODOLOGIES	22	43	3
15HP1A0537	RT4105B	HADOOP AND BIG DATA	27	41	3
15HP1A0537	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
15HP1A0537	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
15HP1A0537	RT4105N	SOFTWARE TESTING LAB	23	49	2
15HP1A0537	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
15HP1A0538	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	24	3
15HP1A0538	RT41052	UML AND DESIGN PATTERNS	18	44	3
15HP1A0538	RT41053	MOBILE COMPUTING	18	33	3
15HP1A0538	RT41054	SOFTWARE TESTING METHODOLOGIES	22	33	3
15HP1A0538	RT4105B	HADOOP AND BIG DATA	21	41	3
15HP1A0538	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
15HP1A0538	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	45	2
15HP1A0538	RT4105N	SOFTWARE TESTING LAB	22	47	2
15HP1A0538	RT4105O	HADOOP AND BIGDATA LAB	18	38	2
15HP1A0539	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	11	0
15HP1A0539	RT41052	UML AND DESIGN PATTERNS	19	30	3
15HP1A0539	RT41053	MOBILE COMPUTING	20	15	0
15HP1A0539	RT41054	SOFTWARE TESTING METHODOLOGIES	19	25	3
15HP1A0539	RT4105B	HADOOP AND BIG DATA	19	37	3
15HP1A0539	RT4105L	UML AND DESIGN PATTERNS LAB	21	45	2
15HP1A0539	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	43	2
15HP1A0539	RT4105N	SOFTWARE TESTING LAB	22	49	2
15HP1A0539	RT4105O	HADOOP AND BIGDATA LAB	16	36	2
15HP1A0540	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	35	3
15HP1A0540	RT41052	UML AND DESIGN PATTERNS	20	42	3
15HP1A0540	RT41053	MOBILE COMPUTING	25	35	3
15HP1A0540	RT41054	SOFTWARE TESTING METHODOLOGIES	20	46	3
15HP1A0540	RT4105B	HADOOP AND BIG DATA	17	35	3
15HP1A0540	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
15HP1A0540	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	42	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0540	RT4105N	SOFTWARE TESTING LAB	23	48	2
15HP1A0540	RT4105O	HADOOP AND BIGDATA LAB	20	42	2
15HP1A0541	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	26	3
15HP1A0541	RT41052	UML AND DESIGN PATTERNS	18	12	0
15HP1A0541	RT41053	MOBILE COMPUTING	26	34	3
15HP1A0541	RT41054	SOFTWARE TESTING METHODOLOGIES	21	48	3
15HP1A0541	RT4105B	HADOOP AND BIG DATA	18	31	3
15HP1A0541	RT4105L	UML AND DESIGN PATTERNS LAB	22	45	2
15HP1A0541	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	43	2
15HP1A0541	RT4105N	SOFTWARE TESTING LAB	23	48	2
15HP1A0541	RT4105O	HADOOP AND BIGDATA LAB	18	39	2
15HP1A0542	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	10	0
15HP1A0542	RT41052	UML AND DESIGN PATTERNS	16	12	0
15HP1A0542	RT41053	MOBILE COMPUTING	19	32	3
15HP1A0542	RT41054	SOFTWARE TESTING METHODOLOGIES	18	28	3
15HP1A0542	RT4105B	HADOOP AND BIG DATA	19	28	3
15HP1A0542	RT4105L	UML AND DESIGN PATTERNS LAB	21	43	2
15HP1A0542	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	35	2
15HP1A0542	RT4105N	SOFTWARE TESTING LAB	24	47	2
15HP1A0542	RT4105O	HADOOP AND BIGDATA LAB	18	34	2
15HP1A0543	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	29	3
15HP1A0543	RT41052	UML AND DESIGN PATTERNS	21	36	3
15HP1A0543	RT41053	MOBILE COMPUTING	20	32	3
15HP1A0543	RT41054	SOFTWARE TESTING METHODOLOGIES	22	43	3
15HP1A0543	RT4105B	HADOOP AND BIG DATA	21	47	3
15HP1A0543	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
15HP1A0543	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	44	2
15HP1A0543	RT4105N	SOFTWARE TESTING LAB	24	50	2
15HP1A0543	RT4105O	HADOOP AND BIGDATA LAB	22	32	2
15HP1A0544	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	41	3
15HP1A0544	RT41052	UML AND DESIGN PATTERNS	19	42	3
15HP1A0544	RT41053	MOBILE COMPUTING	23	33	3
15HP1A0544	RT41054	SOFTWARE TESTING METHODOLOGIES	21	49	3
15HP1A0544	RT4105B	HADOOP AND BIG DATA	17	34	3
15HP1A0544	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
15HP1A0544	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	43	2
15HP1A0544	RT4105N	SOFTWARE TESTING LAB	23	48	2
15HP1A0544	RT4105O	HADOOP AND BIGDATA LAB	20	36	2
15HP1A0545	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	30	34	3
15HP1A0545	RT41052	UML AND DESIGN PATTERNS	26	56	3
15HP1A0545	RT41053	MOBILE COMPUTING	27	37	3
15HP1A0545	RT41054	SOFTWARE TESTING METHODOLOGIES	26	53	3
15HP1A0545	RT4105B	HADOOP AND BIG DATA	29	44	3
15HP1A0545	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0545	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	48	2
15HP1A0545	RT4105N	SOFTWARE TESTING LAB	23	48	2
15HP1A0545	RT4105O	HADOOP AND BIGDATA LAB	25	44	2
15HP1A0546	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	24	3
15HP1A0546	RT41052	UML AND DESIGN PATTERNS	20	31	3
15HP1A0546	RT41053	MOBILE COMPUTING	19	31	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0546	RT41054	SOFTWARE TESTING METHODOLOGIES	24	25	3
15HP1A0546	RT4105B	HADOOP AND BIG DATA	20	31	3
15HP1A0546	RT4105L	UML AND DESIGN PATTERNS LAB	21	44	2
15HP1A0546	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	40	2
15HP1A0546	RT4105N	SOFTWARE TESTING LAB	23	47	2
15HP1A0546	RT4105O	HADOOP AND BIGDATA LAB	20	42	2
15HP1A0548	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	12	2	0
15HP1A0548	RT41052	UML AND DESIGN PATTERNS	12	28	3
15HP1A0548	RT41053	MOBILE COMPUTING	18	2	0
15HP1A0548	RT41054	SOFTWARE TESTING METHODOLOGIES	20	24	3
15HP1A0548	RT4105B	HADOOP AND BIG DATA	19	29	3
15HP1A0548	RT4105L	UML AND DESIGN PATTERNS LAB	18	40	2
15HP1A0548	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	35	2
15HP1A0548	RT4105N	SOFTWARE TESTING LAB	22	48	2
15HP1A0548	RT4105O	HADOOP AND BIGDATA LAB	11	29	2
15HP1A0549	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	42	3
15HP1A0549	RT41052	UML AND DESIGN PATTERNS	18	41	3
15HP1A0549	RT41053	MOBILE COMPUTING	22	36	3
15HP1A0549	RT41054	SOFTWARE TESTING METHODOLOGIES	20	42	3
15HP1A0549	RT4105B	HADOOP AND BIG DATA	18	41	3
15HP1A0549	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
15HP1A0549	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	46	2
15HP1A0549	RT4105N	SOFTWARE TESTING LAB	23	47	2
15HP1A0549	RT4105O	HADOOP AND BIGDATA LAB	20	45	2
15HP1A0551	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	28	3
15HP1A0551	RT41052	UML AND DESIGN PATTERNS	21	36	3
15HP1A0551	RT41053	MOBILE COMPUTING	21	41	3
15HP1A0551	RT41054	SOFTWARE TESTING METHODOLOGIES	19	40	3
15HP1A0551	RT4105B	HADOOP AND BIG DATA	16	36	3
15HP1A0551	RT4105L	UML AND DESIGN PATTERNS LAB	22	45	2
15HP1A0551	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	44	2
15HP1A0551	RT4105N	SOFTWARE TESTING LAB	22	47	2
15HP1A0551	RT4105O	HADOOP AND BIGDATA LAB	19	38	2
15HP1A0553	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	17	0
15HP1A0553	RT41052	UML AND DESIGN PATTERNS	21	37	3
15HP1A0553	RT41053	MOBILE COMPUTING	25	24	3
15HP1A0553	RT41054	SOFTWARE TESTING METHODOLOGIES	22	28	3
15HP1A0553	RT4105B	HADOOP AND BIG DATA	17	34	3
15HP1A0553	RT4105L	UML AND DESIGN PATTERNS LAB	25	48	2
15HP1A0553	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	47	2
15HP1A0553	RT4105N	SOFTWARE TESTING LAB	23	48	2
15HP1A0553	RT4105O	HADOOP AND BIGDATA LAB	24	47	2
15HP1A0554	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	34	3
15HP1A0554	RT41052	UML AND DESIGN PATTERNS	21	41	3
15HP1A0554	RT41053	MOBILE COMPUTING	23	32	3
15HP1A0554	RT41054	SOFTWARE TESTING METHODOLOGIES	23	38	3
15HP1A0554	RT4105B	HADOOP AND BIG DATA	23	42	3
15HP1A0554	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
15HP1A0554	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	45	2
15HP1A0554	RT4105N	SOFTWARE TESTING LAB	23	49	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0554	RT4105O	HADOOP AND BIGDATA LAB	24	46	2
15HP1A0555	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	38	3
15HP1A0555	RT41052	UML AND DESIGN PATTERNS	26	43	3
15HP1A0555	RT41053	MOBILE COMPUTING	22	27	3
15HP1A0555	RT41054	SOFTWARE TESTING METHODOLOGIES	24	34	3
15HP1A0555	RT4105B	HADOOP AND BIG DATA	19	33	3
15HP1A0555	RT4105L	UML AND DESIGN PATTERNS LAB	22	45	2
15HP1A0555	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	47	2
15HP1A0555	RT4105N	SOFTWARE TESTING LAB	22	47	2
15HP1A0555	RT41050	HADOOP AND BIGDATA LAB	22	43	2
15HP1A0556	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	13	0
15HP1A0556	RT41052	UML AND DESIGN PATTERNS	22	24	3
15HP1A0556	RT41053	MOBILE COMPUTING	21	35	3
15HP1A0556	RT41054	SOFTWARE TESTING METHODOLOGIES	16	33	3
15HP1A0556	RT4105B	HADOOP AND BIG DATA	18	41	3
15HP1A0556	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
15HP1A0556	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
15HP1A0556	RT4105N	SOFTWARE TESTING LAB	23	47	2
15HP1A0556	RT4105O	HADOOP AND BIGDATA LAB	20	33	2
15HP1A0557	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	29	3
15HP1A0557	RT41052	UML AND DESIGN PATTERNS	21	40	3
15HP1A0557	RT41053	MOBILE COMPUTING	27	49	3
15HP1A0557	RT41054	SOFTWARE TESTING METHODOLOGIES	21	38	3
15HP1A0557	RT4105B	HADOOP AND BIG DATA	21	48	3
15HP1A0557	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
15HP1A0557	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	42	2
15HP1A0557	RT4105N	SOFTWARE TESTING LAB	24	49	2
15HP1A0557	RT4105O	HADOOP AND BIGDATA LAB	22	46	2
15HP1A0558	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	15	0
15HP1A0558	RT41052	UML AND DESIGN PATTERNS	22	25	3
15HP1A0558	RT41053	MOBILE COMPUTING	21	31	3
15HP1A0558	RT41054	SOFTWARE TESTING METHODOLOGIES	22	37	3
15HP1A0558	RT4105B	HADOOP AND BIG DATA	19	40	3
15HP1A0558	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
15HP1A0558	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	43	2
15HP1A0558	RT4105N	SOFTWARE TESTING LAB	23	48	2
15HP1A0558	RT4105O	HADOOP AND BIGDATA LAB	23	44	2
15HP1A0559	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	42	3
15HP1A0559	RT41052	UML AND DESIGN PATTERNS	19	40	3
15HP1A0559	RT41053	MOBILE COMPUTING	21	30	3
15HP1A0559	RT41054	SOFTWARE TESTING METHODOLOGIES	21	42	3
15HP1A0559	RT4105B	HADOOP AND BIG DATA	21	38	3
15HP1A0559	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
15HP1A0559	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	40	2
15HP1A0559	RT4105N	SOFTWARE TESTING LAB	23	48	2
15HP1A0559	RT4105O	HADOOP AND BIGDATA LAB	23	44	2
15HP1A0560	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	9	0
15HP1A0560	RT41052	UML AND DESIGN PATTERNS	20	28	3
15HP1A0560	RT41053	MOBILE COMPUTING	26	32	3
15HP1A0560	RT41054	SOFTWARE TESTING METHODOLOGIES	20	50	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0560	RT4105B	HADOOP AND BIG DATA	22	38	3
15HP1A0560	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
15HP1A0560	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	44	2
15HP1A0560	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A0560	RT4105O	HADOOP AND BIGDATA LAB	21	42	2
15HP1A0561	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	32	3
15HP1A0561	RT41052	UML AND DESIGN PATTERNS	22	44	3
15HP1A0561	RT41053	MOBILE COMPUTING	22	29	3
15HP1A0561	RT41054	SOFTWARE TESTING METHODOLOGIES	26	38	3
15HP1A0561	RT4105B	HADOOP AND BIG DATA	20	40	3
15HP1A0561	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
15HP1A0561	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	44	2
15HP1A0561	RT4105N	SOFTWARE TESTING LAB	23	47	2
15HP1A0561	RT4105O	HADOOP AND BIGDATA LAB	22	42	2
15HP1A0562	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	24	3
15HP1A0562	RT41052	UML AND DESIGN PATTERNS	22	38	3
15HP1A0562	RT41053	MOBILE COMPUTING	21	30	3
15HP1A0562	RT41054	SOFTWARE TESTING METHODOLOGIES	25	33	3
15HP1A0562	RT4105B	HADOOP AND BIG DATA	16	33	3
15HP1A0562	RT4105L	UML AND DESIGN PATTERNS LAB	22	46	2
15HP1A0562	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	40	2
15HP1A0562	RT4105N	SOFTWARE TESTING LAB	22	47	2
15HP1A0562	RT4105O	HADOOP AND BIGDATA LAB	19	41	2
15HP1A0563	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	28	55	3
15HP1A0563	RT41052	UML AND DESIGN PATTERNS	26	61	3
15HP1A0563	RT41053	MOBILE COMPUTING	24	42	3
15HP1A0563	RT41054	SOFTWARE TESTING METHODOLOGIES	27	51	3
15HP1A0563	RT4105B	HADOOP AND BIG DATA	30	46	3
15HP1A0563	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0563	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	47	2
15HP1A0563	RT4105N	SOFTWARE TESTING LAB	25	49	2
15HP1A0563	RT4105O	HADOOP AND BIGDATA LAB	24	47	2
15HP1A0564	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	46	3
15HP1A0564	RT41052	UML AND DESIGN PATTERNS	27	41	3
15HP1A0564	RT41053	MOBILE COMPUTING	25	51	3
15HP1A0564	RT41054	SOFTWARE TESTING METHODOLOGIES	28	49	3
15HP1A0564	RT4105B	HADOOP AND BIG DATA	30	49	3
15HP1A0564	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0564	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	50	2
15HP1A0564	RT4105N	SOFTWARE TESTING LAB	25	50	2
15HP1A0564	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
15HP1A0565	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	29	3
15HP1A0565	RT41052	UML AND DESIGN PATTERNS	20	37	3
15HP1A0565	RT41053	MOBILE COMPUTING	22	39	3
15HP1A0565	RT41054	SOFTWARE TESTING METHODOLOGIES	23	44	3
15HP1A0565	RT4105B	HADOOP AND BIG DATA	20	43	3
15HP1A0565	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
15HP1A0565	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	25	2
15HP1A0565	RT4105N	SOFTWARE TESTING LAB	23	46	2
15HP1A0565	RT4105O	HADOOP AND BIGDATA LAB	21	44	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0566	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	41	3
15HP1A0566	RT41052	UML AND DESIGN PATTERNS	22	44	3
15HP1A0566	RT41053	MOBILE COMPUTING	27	34	3
15HP1A0566	RT41054	SOFTWARE TESTING METHODOLOGIES	26	36	3
15HP1A0566	RT4105B	HADOOP AND BIG DATA	20	38	3
15HP1A0566	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
15HP1A0566	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	47	2
15HP1A0566	RT4105N	SOFTWARE TESTING LAB	23	46	2
15HP1A0566	RT4105O	HADOOP AND BIGDATA LAB	21	46	2
15HP1A0567	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	48	3
15HP1A0567	RT41052	UML AND DESIGN PATTERNS	26	46	3
15HP1A0567	RT41053	MOBILE COMPUTING	26	43	3
15HP1A0567	RT41054	SOFTWARE TESTING METHODOLOGIES	26	47	3
15HP1A0567	RT4105B	HADOOP AND BIG DATA	26	42	3
15HP1A0567	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
15HP1A0567	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	46	2
15HP1A0567	RT4105N	SOFTWARE TESTING LAB	24	46	2
15HP1A0567	RT4105O	HADOOP AND BIGDATA LAB	24	45	2
15HP1A0568	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	28	57	3
15HP1A0568	RT41052	UML AND DESIGN PATTERNS	25	49	3
15HP1A0568	RT41053	MOBILE COMPUTING	25	51	3
15HP1A0568	RT41054	SOFTWARE TESTING METHODOLOGIES	28	57	3
15HP1A0568	RT4105B	HADOOP AND BIG DATA	28	52	3
15HP1A0568	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0568	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	50	2
15HP1A0568	RT4105N	SOFTWARE TESTING LAB	25	50	2
15HP1A0568	RT4105O	HADOOP AND BIGDATA LAB	25	47	2
15HP1A0569	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	24	3
15HP1A0569	RT41052	UML AND DESIGN PATTERNS	24	37	3
15HP1A0569	RT41053	MOBILE COMPUTING	26	38	3
15HP1A0569	RT41054	SOFTWARE TESTING METHODOLOGIES	24	38	3
15HP1A0569	RT4105B	HADOOP AND BIG DATA	26	40	3
15HP1A0569	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
15HP1A0569	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	48	2
15HP1A0569	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A0569	RT4105O	HADOOP AND BIGDATA LAB	23	46	2
15HP1A0570	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	29	42	3
15HP1A0570	RT41052	UML AND DESIGN PATTERNS	27	42	3
15HP1A0570	RT41053	MOBILE COMPUTING	28	41	3
15HP1A0570	RT41054	SOFTWARE TESTING METHODOLOGIES	28	45	3
15HP1A0570	RT4105B	HADOOP AND BIG DATA	29	51	3
15HP1A0570	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0570	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
15HP1A0570	RT4105N	SOFTWARE TESTING LAB	25	50	2
15HP1A0570	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
15HP1A0571	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	30	55	3
15HP1A0571	RT41052	UML AND DESIGN PATTERNS	26	46	3
15HP1A0571	RT41053	MOBILE COMPUTING	29	48	3
15HP1A0571	RT41054	SOFTWARE TESTING METHODOLOGIES	29	43	3
15HP1A0571	RT4105B	HADOOP AND BIG DATA	28	43	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0571	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
15HP1A0571	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	47	2
15HP1A0571	RT4105N	SOFTWARE TESTING LAB	25	46	2
15HP1A0571	RT4105O	HADOOP AND BIGDATA LAB	24	49	2
15HP1A0572	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	45	3
15HP1A0572	RT41052	UML AND DESIGN PATTERNS	23	51	3
15HP1A0572	RT41053	MOBILE COMPUTING	27	38	3
15HP1A0572	RT41054	SOFTWARE TESTING METHODOLOGIES	26	54	3
15HP1A0572	RT4105B	HADOOP AND BIG DATA	24	47	3
15HP1A0572	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
15HP1A0572	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	44	2
15HP1A0572	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A0572	RT4105O	HADOOP AND BIGDATA LAB	22	49	2
15HP1A0573	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	30	3
15HP1A0573	RT41052	UML AND DESIGN PATTERNS	25	52	3
15HP1A0573	RT41053	MOBILE COMPUTING	21	44	3
15HP1A0573	RT41054	SOFTWARE TESTING METHODOLOGIES	22	44	3
15HP1A0573	RT4105B	HADOOP AND BIG DATA	27	50	3
15HP1A0573	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
15HP1A0573	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
15HP1A0573	RT4105N	SOFTWARE TESTING LAB	25	49	2
15HP1A0573	RT4105O	HADOOP AND BIGDATA LAB	25	49	2
15HP1A0574	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	24	3
15HP1A0574	RT41052	UML AND DESIGN PATTERNS	20	33	3
15HP1A0574	RT41053	MOBILE COMPUTING	24	30	3
15HP1A0574	RT41054	SOFTWARE TESTING METHODOLOGIES	24	33	3
15HP1A0574	RT4105B	HADOOP AND BIG DATA	20	37	3
15HP1A0574	RT4105L	UML AND DESIGN PATTERNS LAB	23	45	2
15HP1A0574	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	41	2
15HP1A0574	RT4105N	SOFTWARE TESTING LAB	23	46	2
15HP1A0574	RT4105O	HADOOP AND BIGDATA LAB	24	46	2
15HP1A0575	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	52	3
15HP1A0575	RT41052	UML AND DESIGN PATTERNS	22	38	3
15HP1A0575	RT41053	MOBILE COMPUTING	22	42	3
15HP1A0575	RT41054	SOFTWARE TESTING METHODOLOGIES	25	45	3
15HP1A0575	RT4105B	HADOOP AND BIG DATA	22	35	3
15HP1A0575	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
15HP1A0575	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	45	2
15HP1A0575	RT4105N	SOFTWARE TESTING LAB	25	46	2
15HP1A0575	RT4105O	HADOOP AND BIGDATA LAB	22	45	2
15HP1A0576	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	32	3
15HP1A0576	RT41052	UML AND DESIGN PATTERNS	21	43	3
15HP1A0576	RT41053	MOBILE COMPUTING	9	39	3
15HP1A0576	RT41054	SOFTWARE TESTING METHODOLOGIES	23	45	3
15HP1A0576	RT4105B	HADOOP AND BIG DATA	14	33	3
15HP1A0576	RT4105L	UML AND DESIGN PATTERNS LAB	22	-1	0
15HP1A0576	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	18	-1	0
15HP1A0576	RT4105N	SOFTWARE TESTING LAB	22	-1	0
15HP1A0576	RT4105O	HADOOP AND BIGDATA LAB	20	-1	0
	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	17	0

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0577	RT41052	UML AND DESIGN PATTERNS	20	53	3
15HP1A0577	RT41053	MOBILE COMPUTING	19	41	3
15HP1A0577	RT41054	SOFTWARE TESTING METHODOLOGIES	21	33	3
15HP1A0577	RT4105B	HADOOP AND BIG DATA	20	38	3
15HP1A0577	RT4105L	UML AND DESIGN PATTERNS LAB	23	49	2
15HP1A0577	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	42	2
15HP1A0577	RT4105N	SOFTWARE TESTING LAB	23	46	2
15HP1A0577	RT4105O	HADOOP AND BIGDATA LAB	21	44	2
15HP1A0578	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	47	3
15HP1A0578	RT41052	UML AND DESIGN PATTERNS	28	47	3
15HP1A0578	RT41053	MOBILE COMPUTING	26	45	3
15HP1A0578	RT41054	SOFTWARE TESTING METHODOLOGIES	28	44	3
15HP1A0578	RT4105B	HADOOP AND BIG DATA	29	51	3
15HP1A0578	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0578	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	47	2
15HP1A0578	RT4105N	SOFTWARE TESTING LAB	25	50	2
15HP1A0578	RT4105O	HADOOP AND BIGDATA LAB	25	47	2
15HP1A0579	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	30	54	3
15HP1A0579	RT41052	UML AND DESIGN PATTERNS	26	53	3
15HP1A0579	RT41053	MOBILE COMPUTING	25	44	3
15HP1A0579	RT41054	SOFTWARE TESTING METHODOLOGIES	24	52	3
15HP1A0579	RT4105B	HADOOP AND BIG DATA	26	46	3
15HP1A0579	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
15HP1A0579	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	47	2
15HP1A0579	RT4105N	SOFTWARE TESTING LAB	25	48	2
15HP1A0579	RT4105O	HADOOP AND BIGDATA LAB	25	48	2
15HP1A0580	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	53	3
15HP1A0580	RT41052	UML AND DESIGN PATTERNS	27	52	3
15HP1A0580	RT41053	MOBILE COMPUTING	29	43	3
15HP1A0580	RT41054	SOFTWARE TESTING METHODOLOGIES	25	48	3
15HP1A0580	RT4105B	HADOOP AND BIG DATA	26	49	3
15HP1A0580	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0580	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	45	2
15HP1A0580	RT4105N	SOFTWARE TESTING LAB	25	49	2
15HP1A0580	RT4105O	HADOOP AND BIGDATA LAB	25	46	2
15HP1A0581	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	29	3
15HP1A0581	RT41052	UML AND DESIGN PATTERNS	15	31	3
15HP1A0581	RT41053	MOBILE COMPUTING	23	37	3
15HP1A0581	RT41054	SOFTWARE TESTING METHODOLOGIES	24	44	3
15HP1A0581	RT4105B	HADOOP AND BIG DATA	13	45	3
15HP1A0581	RT4105L	UML AND DESIGN PATTERNS LAB	21	43	2
15HP1A0581	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	44	2
15HP1A0581	RT4105N	SOFTWARE TESTING LAB	21	46	2
15HP1A0581	RT4105O	HADOOP AND BIGDATA LAB	21	40	2
15HP1A0582	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	28	47	3
15HP1A0582	RT41052	UML AND DESIGN PATTERNS	24	60	3
15HP1A0582	RT41053	MOBILE COMPUTING	27	44	3
15HP1A0582	RT41054	SOFTWARE TESTING METHODOLOGIES	24	44	3
15HP1A0582	RT4105B	HADOOP AND BIG DATA	27	52	3
15HP1A0582	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0582	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	44	2
15HP1A0582	RT4105N	SOFTWARE TESTING LAB	25	49	2
15HP1A0582	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
15HP1A0583	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	-1	0
15HP1A0583	RT41052	UML AND DESIGN PATTERNS	19	-1	0
15HP1A0583	RT41053	MOBILE COMPUTING	5	-1	0
15HP1A0583	RT41054	SOFTWARE TESTING METHODOLOGIES	22	-1	0
15HP1A0583	RT4105B	HADOOP AND BIG DATA	17	-1	0
15HP1A0583	RT4105L	UML AND DESIGN PATTERNS LAB	23	-1	0
15HP1A0583	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	-1	0
15HP1A0583	RT4105N	SOFTWARE TESTING LAB	23	-1	0
15HP1A0583	RT4105O	HADOOP AND BIGDATA LAB	19	-1	0
15HP1A0584	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	29	46	3
15HP1A0584	RT41052	UML AND DESIGN PATTERNS	18	44	3
15HP1A0584	RT41053	MOBILE COMPUTING	27	40	3
15HP1A0584	RT41054	SOFTWARE TESTING METHODOLOGIES	25	49	3
15HP1A0584	RT4105B	HADOOP AND BIG DATA	19	36	3
15HP1A0584	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
15HP1A0584	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	43	2
15HP1A0584	RT4105N	SOFTWARE TESTING LAB	23	49	2
15HP1A0584	RT4105O	HADOOP AND BIGDATA LAB	22	43	2
15HP1A0585	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	30	37	3
15HP1A0585	RT41052	UML AND DESIGN PATTERNS	26	54	3
15HP1A0585	RT41053	MOBILE COMPUTING	27	58	3
15HP1A0585	RT41054	SOFTWARE TESTING METHODOLOGIES	26	50	3
15HP1A0585	RT4105B	HADOOP AND BIG DATA	30	54	3
15HP1A0585	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0585	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	50	2
15HP1A0585	RT4105N	SOFTWARE TESTING LAB	25	50	2
15HP1A0585	RT4105O	HADOOP AND BIGDATA LAB	25	48	2
15HP1A0586	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	28	30	3
15HP1A0586	RT41052	UML AND DESIGN PATTERNS	24	46	3
15HP1A0586	RT41053	MOBILE COMPUTING	28	29	3
15HP1A0586	RT41054	SOFTWARE TESTING METHODOLOGIES	22	35	3
15HP1A0586	RT4105B	HADOOP AND BIG DATA	23	46	3
15HP1A0586	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
15HP1A0586	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	47	2
15HP1A0586	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A0586	RT4105O	HADOOP AND BIGDATA LAB	22	44	2
15HP1A0587	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	30	56	3
15HP1A0587	RT41052	UML AND DESIGN PATTERNS	27	52	3
15HP1A0587	RT41053	MOBILE COMPUTING	29	43	3
15HP1A0587	RT41054	SOFTWARE TESTING METHODOLOGIES	27	48	3
15HP1A0587	RT4105B	HADOOP AND BIG DATA	29	50	3
15HP1A0587	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A0587	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
15HP1A0587	RT4105N	SOFTWARE TESTING LAB	25	49	2
15HP1A0587	RT4105O	HADOOP AND BIGDATA LAB	25	48	2
15HP1A0588	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	40	3
15HP1A0588	RT41052	UML AND DESIGN PATTERNS	26	42	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0588	RT41053	MOBILE COMPUTING	27	43	3
15HP1A0588	RT41054	SOFTWARE TESTING METHODOLOGIES	26	48	3
15HP1A0588	RT4105B	HADOOP AND BIG DATA	26	39	3
15HP1A0588	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
15HP1A0588	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
15HP1A0588	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A0588	RT4105O	HADOOP AND BIGDATA LAB	25	46	2
15HP1A0589	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	31	3
15HP1A0589	RT41052	UML AND DESIGN PATTERNS	24	43	3
15HP1A0589	RT41053	MOBILE COMPUTING	27	50	3
15HP1A0589	RT41054	SOFTWARE TESTING METHODOLOGIES	27	44	3
15HP1A0589	RT4105B	HADOOP AND BIG DATA	24	41	3
15HP1A0589	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
15HP1A0589	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	46	2
15HP1A0589	RT4105N	SOFTWARE TESTING LAB	25	46	2
15HP1A0589	RT4105O	HADOOP AND BIGDATA LAB	25	48	2
15HP1A0590	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	24	3
15HP1A0590	RT41052	UML AND DESIGN PATTERNS	25	38	3
15HP1A0590	RT41053	MOBILE COMPUTING	24	28	3
15HP1A0590	RT41054	SOFTWARE TESTING METHODOLOGIES	24	38	3
15HP1A0590	RT4105B	HADOOP AND BIG DATA	24	41	3
15HP1A0590	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
15HP1A0590	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
15HP1A0590	RT4105N	SOFTWARE TESTING LAB	24	47	2
15HP1A0590	RT4105O	HADOOP AND BIGDATA LAB	24	45	2
15HP1A0591	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	37	3
15HP1A0591	RT41052	UML AND DESIGN PATTERNS	18	36	3
15HP1A0591	RT41053	MOBILE COMPUTING	21	43	3
15HP1A0591	RT41054	SOFTWARE TESTING METHODOLOGIES	21	33	3
15HP1A0591	RT4105B	HADOOP AND BIG DATA	18	33	3
15HP1A0591	RT4105L	UML AND DESIGN PATTERNS LAB	23	45	2
15HP1A0591	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	38	2
15HP1A0591	RT4105N	SOFTWARE TESTING LAB	23	46	2
15HP1A0591	RT4105O	HADOOP AND BIGDATA LAB	20	45	2
15HP1A0592	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	11	0
15HP1A0592	RT41052	UML AND DESIGN PATTERNS	19	24	3
15HP1A0592	RT41053	MOBILE COMPUTING	20	29	3
15HP1A0592	RT41054	SOFTWARE TESTING METHODOLOGIES	16	28	3
15HP1A0592	RT4105B	HADOOP AND BIG DATA	18	27	3
15HP1A0592	RT4105L	UML AND DESIGN PATTERNS LAB	21	43	2
15HP1A0592	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	37	2
15HP1A0592	RT4105N	SOFTWARE TESTING LAB	21	46	2
15HP1A0592	RT4105O	HADOOP AND BIGDATA LAB	17	30	2
15HP1A0593	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	15	0
15HP1A0593	RT41052	UML AND DESIGN PATTERNS	19	35	3
15HP1A0593	RT41053	MOBILE COMPUTING	16	24	3
15HP1A0593	RT41054	SOFTWARE TESTING METHODOLOGIES	15	25	3
15HP1A0593	RT4105B	HADOOP AND BIG DATA	13	27	3
15HP1A0593	RT4105L	UML AND DESIGN PATTERNS LAB	22	44	2
15HP1A0593	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	36	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0593	RT4105N	SOFTWARE TESTING LAB	22	46	2
15HP1A0593	RT4105O	HADOOP AND BIGDATA LAB	18	27	2
15HP1A0594	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	15	9	0
15HP1A0594	RT41052	UML AND DESIGN PATTERNS	23	36	3
15HP1A0594	RT41053	MOBILE COMPUTING	24	7	0
15HP1A0594	RT41054	SOFTWARE TESTING METHODOLOGIES	21	17	0
15HP1A0594	RT4105B	HADOOP AND BIG DATA	10	34	3
15HP1A0594	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
15HP1A0594	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	41	2
15HP1A0594	RT4105N	SOFTWARE TESTING LAB	23	47	2
15HP1A0594	RT4105O	HADOOP AND BIGDATA LAB	16	35	2
15HP1A0595	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	24	3
15HP1A0595	RT41052	UML AND DESIGN PATTERNS	16	38	3
15HP1A0595	RT41053	MOBILE COMPUTING	22	14	0
15HP1A0595	RT41054	SOFTWARE TESTING METHODOLOGIES	18	31	3
15HP1A0595	RT4105B	HADOOP AND BIG DATA	19	15	0
15HP1A0595	RT4105L	UML AND DESIGN PATTERNS LAB	24	47	2
15HP1A0595	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	19	35	2
15HP1A0595	RT4105N	SOFTWARE TESTING LAB	24	46	2
15HP1A0595	RT4105O	HADOOP AND BIGDATA LAB	18	33	2
15HP1A0596	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	29	28	3
15HP1A0596	RT41052	UML AND DESIGN PATTERNS	18	33	3
15HP1A0596	RT41053	MOBILE COMPUTING	26	38	3
15HP1A0596	RT41054	SOFTWARE TESTING METHODOLOGIES	21	36	3
15HP1A0596	RT4105B	HADOOP AND BIG DATA	21	36	3
15HP1A0596	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
15HP1A0596	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
15HP1A0596	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A0596	RT4105O	HADOOP AND BIGDATA LAB	18	26	2
15HP1A0597	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	24	3
15HP1A0597	RT41052	UML AND DESIGN PATTERNS	21	37	3
15HP1A0597	RT41053	MOBILE COMPUTING	23	36	3
15HP1A0597	RT41054	SOFTWARE TESTING METHODOLOGIES	22	28	3
15HP1A0597	RT4105B	HADOOP AND BIG DATA	18	40	3
15HP1A0597	RT4105L	UML AND DESIGN PATTERNS LAB	22	47	2
15HP1A0597	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	18	35	2
15HP1A0597	RT4105N	SOFTWARE TESTING LAB	22	46	2
15HP1A0597	RT4105O	HADOOP AND BIGDATA LAB	13	41	2
15HP1A0598	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	3	0
15HP1A0598	RT41052	UML AND DESIGN PATTERNS	19	24	3
15HP1A0598	RT41053	MOBILE COMPUTING	18	27	3
15HP1A0598	RT41054	SOFTWARE TESTING METHODOLOGIES	17	12	0
15HP1A0598	RT4105B	HADOOP AND BIG DATA	15	32	3
15HP1A0598	RT4105L	UML AND DESIGN PATTERNS LAB	22	44	2
15HP1A0598	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	18	35	2
15HP1A0598	RT4105N	SOFTWARE TESTING LAB	22	46	2
15HP1A0598	RT41050	HADOOP AND BIGDATA LAB	19	42	2
15HP1A0599	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	39	3
15HP1A0599	RT41052	UML AND DESIGN PATTERNS	23	37	3
15HP1A0599	RT41053	MOBILE COMPUTING	21	32	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A0599	RT41054	SOFTWARE TESTING METHODOLOGIES	21	33	3
15HP1A0599	RT4105B	HADOOP AND BIG DATA	15	38	3
15HP1A0599	RT4105L	UML AND DESIGN PATTERNS LAB	20	43	2
15HP1A0599	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	37	2
15HP1A0599	RT4105N	SOFTWARE TESTING LAB	20	46	2
15HP1A0599	RT4105O	HADOOP AND BIGDATA LAB	18	42	2
15HP1A05A0	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	30	3
15HP1A05A0	RT41052	UML AND DESIGN PATTERNS	23	33	3
15HP1A05A0	RT41053	MOBILE COMPUTING	24	40	3
15HP1A05A0	RT41054	SOFTWARE TESTING METHODOLOGIES	21	45	3
15HP1A05A0	RT4105B	HADOOP AND BIG DATA	18	40	3
15HP1A05A0	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
15HP1A05A0	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	37	2
15HP1A05A0	RT4105N	SOFTWARE TESTING LAB	23	47	2
15HP1A05A0	RT4105O	HADOOP AND BIGDATA LAB	21	44	2
15HP1A05A1	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	17	0
15HP1A05A1	RT41052	UML AND DESIGN PATTERNS	21	44	3
15HP1A05A1	RT41053	MOBILE COMPUTING	23	37	3
15HP1A05A1	RT41054	SOFTWARE TESTING METHODOLOGIES	22	40	3
15HP1A05A1	RT4105B	HADOOP AND BIG DATA	19	40	3
15HP1A05A1	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
15HP1A05A1	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	47	2
15HP1A05A1	RT4105N	SOFTWARE TESTING LAB	24	49	2
15HP1A05A1	RT4105O	HADOOP AND BIGDATA LAB	18	44	2
15HP1A05A3	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	29	43	3
15HP1A05A3	RT41052	UML AND DESIGN PATTERNS	24	40	3
15HP1A05A3	RT41053	MOBILE COMPUTING	30	41	3
15HP1A05A3	RT41054	SOFTWARE TESTING METHODOLOGIES	27	42	3
15HP1A05A3	RT4105B	HADOOP AND BIG DATA	30	54	3
15HP1A05A3	RT4105L	UML AND DESIGN PATTERNS LAB	24	50	2
15HP1A05A3	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	48	2
15HP1A05A3	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A05A3	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
15HP1A05A4	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	40	3
15HP1A05A4	RT41052	UML AND DESIGN PATTERNS	19	43	3
15HP1A05A4	RT41053	MOBILE COMPUTING	19	34	3
15HP1A05A4	RT41054	SOFTWARE TESTING METHODOLOGIES	21	42	3
15HP1A05A4	RT4105B	HADOOP AND BIG DATA	15	33	3
15HP1A05A4	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
15HP1A05A4	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
15HP1A05A4	RT4105N	SOFTWARE TESTING LAB	24	49	2
15HP1A05A4	RT4105O	HADOOP AND BIGDATA LAB	22	42	2
15HP1A05A5	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	34	3
15HP1A05A5	RT41052	UML AND DESIGN PATTERNS	22	34	3
15HP1A05A5	RT41053	MOBILE COMPUTING	16	30	3
15HP1A05A5	RT41054	SOFTWARE TESTING METHODOLOGIES	19	39	3
15HP1A05A5	RT4105B	HADOOP AND BIG DATA	18	27	3
15HP1A05A5	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
15HP1A05A5	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	40	2
15HP1A05A5	RT4105N	SOFTWARE TESTING LAB	23	46	2

15HP1A05A5 F		Subname	Internal	External	Credits
	RT4105O	HADOOP AND BIGDATA LAB	21	30	2
15HP1A05A6   F	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	29	3
15HP1A05A6 F	RT41052	UML AND DESIGN PATTERNS	21	44	3
15HP1A05A6 F	RT41053	MOBILE COMPUTING	22	35	3
15HP1A05A6 F	RT41054	SOFTWARE TESTING METHODOLOGIES	23	35	3
15HP1A05A6 F	RT4105B	HADOOP AND BIG DATA	16	44	3
15HP1A05A6 F	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
15HP1A05A6 F	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	41	2
15HP1A05A6 F	RT4105N	SOFTWARE TESTING LAB	23	49	2
15HP1A05A6 F	RT4105O	HADOOP AND BIGDATA LAB	22	39	2
15HP1A05A7 F	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	24	3
15HP1A05A7 F	RT41052	UML AND DESIGN PATTERNS	20	32	3
15HP1A05A7 F	RT41053	MOBILE COMPUTING	17	26	3
15HP1A05A7 F	RT41054	SOFTWARE TESTING METHODOLOGIES	19	36	3
15HP1A05A7 F	RT4105B	HADOOP AND BIG DATA	13	41	3
15HP1A05A7 F	RT4105L	UML AND DESIGN PATTERNS LAB	22	46	2
15HP1A05A7 F	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	40	2
15HP1A05A7 F	RT4105N	SOFTWARE TESTING LAB	22	46	2
15HP1A05A7 F	RT4105O	HADOOP AND BIGDATA LAB	20	38	2
15HP1A05A8 F	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	26	3
15HP1A05A8 F	RT41052	UML AND DESIGN PATTERNS	16	35	3
15HP1A05A8 F	RT41053	MOBILE COMPUTING	19	26	3
15HP1A05A8 F	RT41054	SOFTWARE TESTING METHODOLOGIES	18	24	3
15HP1A05A8 F	RT4105B	HADOOP AND BIG DATA	14	18	0
15HP1A05A8 F	RT4105L	UML AND DESIGN PATTERNS LAB	20	42	2
15HP1A05A8 F	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	37	2
15HP1A05A8 F	RT4105N	SOFTWARE TESTING LAB	20	46	2
15HP1A05A8 F	RT4105O	HADOOP AND BIGDATA LAB	16	30	2
15HP1A05A9 F	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	4	0
15HP1A05A9 F	RT41052	UML AND DESIGN PATTERNS	17	0	0
15HP1A05A9 F	RT41053	MOBILE COMPUTING	15	31	3
15HP1A05A9 F	RT41054	SOFTWARE TESTING METHODOLOGIES	14	33	3
15HP1A05A9 F	RT4105B	HADOOP AND BIG DATA	11	15	0
15HP1A05A9 F	RT4105L	UML AND DESIGN PATTERNS LAB	20	42	2
15HP1A05A9 F	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	34	2
15HP1A05A9 F	RT4105N	SOFTWARE TESTING LAB	20	46	2
15HP1A05A9 F	RT4105O	HADOOP AND BIGDATA LAB	15	39	2
15HP1A05B0 F	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	24	3
15HP1A05B0 F	RT41052	UML AND DESIGN PATTERNS	16	38	3
15HP1A05B0 F	RT41053	MOBILE COMPUTING	15	29	3
15HP1A05B0 F	RT41054	SOFTWARE TESTING METHODOLOGIES	19	27	3
15HP1A05B0 F	RT4105B	HADOOP AND BIG DATA	17	40	3
15HP1A05B0 F	RT4105L	UML AND DESIGN PATTERNS LAB	22	45	2
15HP1A05B0 F	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	34	2
15HP1A05B0 F	RT4105N	SOFTWARE TESTING LAB	22	48	2
15HP1A05B0 F	RT4105O	HADOOP AND BIGDATA LAB	18	28	2
15HP1A05B1 F	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	29	3
15HP1A05B1 F	RT41052	UML AND DESIGN PATTERNS	24	40	3
15HP1A05B1 F	RT41053	MOBILE COMPUTING	24	30	3
15HP1A05B1 F	RT41054	SOFTWARE TESTING METHODOLOGIES	19	25	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A05B1	RT4105B	HADOOP AND BIG DATA	13	42	3
15HP1A05B1	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
15HP1A05B1	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	48	2
15HP1A05B1	RT4105N	SOFTWARE TESTING LAB	24	48	2
15HP1A05B1	RT4105O	HADOOP AND BIGDATA LAB	22	45	2
15HP1A05B2	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	49	3
15HP1A05B2	RT41052	UML AND DESIGN PATTERNS	22	42	3
15HP1A05B2	RT41053	MOBILE COMPUTING	22	33	3
15HP1A05B2	RT41054	SOFTWARE TESTING METHODOLOGIES	20	39	3
15HP1A05B2	RT4105B	HADOOP AND BIG DATA	17	38	3
15HP1A05B2	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
15HP1A05B2	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
15HP1A05B2	RT4105N	SOFTWARE TESTING LAB	24	49	2
15HP1A05B2	RT4105O	HADOOP AND BIGDATA LAB	18	36	2
15HP1A05B3	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	11	0
15HP1A05B3	RT41052	UML AND DESIGN PATTERNS	18	19	0
15HP1A05B3	RT41053	MOBILE COMPUTING	17	24	3
15HP1A05B3	RT41054	SOFTWARE TESTING METHODOLOGIES	21	26	3
15HP1A05B3	RT4105B	HADOOP AND BIG DATA	18	28	3
15HP1A05B3	RT4105L	UML AND DESIGN PATTERNS LAB	22	47	2
15HP1A05B3	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	43	2
15HP1A05B3	RT4105N	SOFTWARE TESTING LAB	22	46	2
15HP1A05B3	RT4105O	HADOOP AND BIGDATA LAB	21	40	2
15HP1A05B4	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	15	0
15HP1A05B4	RT41052	UML AND DESIGN PATTERNS	15	29	3
15HP1A05B4	RT41053	MOBILE COMPUTING	18	13	0
15HP1A05B4	RT41054	SOFTWARE TESTING METHODOLOGIES	12	28	3
15HP1A05B4	RT4105B	HADOOP AND BIG DATA	9	25	0
15HP1A05B4	RT4105L	UML AND DESIGN PATTERNS LAB	22	46	2
15HP1A05B4	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	38	2
15HP1A05B4	RT4105N	SOFTWARE TESTING LAB	22	47	2
15HP1A05B4	RT4105O	HADOOP AND BIGDATA LAB	19	30	2
15HP1A05B5	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	29	3
15HP1A05B5	RT41052	UML AND DESIGN PATTERNS	20	30	3
15HP1A05B5	RT41053	MOBILE COMPUTING	20	27	3
15HP1A05B5	RT41054	SOFTWARE TESTING METHODOLOGIES	18	35	3
15HP1A05B5	RT4105B	HADOOP AND BIG DATA	16	38	3
15HP1A05B5	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
15HP1A05B5	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	40	2
15HP1A05B5	RT4105N	SOFTWARE TESTING LAB	23	47	2
15HP1A05B5	RT4105O	HADOOP AND BIGDATA LAB	20	41	2
15HP1A05B6	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	50	3
15HP1A05B6	RT41052	UML AND DESIGN PATTERNS	13	53	3
15HP1A05B6	RT41053	MOBILE COMPUTING	15	40	3
15HP1A05B6	RT41054	SOFTWARE TESTING METHODOLOGIES	18	44	3
15HP1A05B6	RT4105B	HADOOP AND BIG DATA	18	42	3
15HP1A05B6	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
15HP1A05B6	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	40	2
15HP1A05B6	RT4105N	SOFTWARE TESTING LAB	23	47	2
15HP1A05B6	RT4105O	HADOOP AND BIGDATA LAB	21	36	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A05B7	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	40	3
15HP1A05B7	RT41052	UML AND DESIGN PATTERNS	19	44	3
15HP1A05B7	RT41053	MOBILE COMPUTING	18	40	3
15HP1A05B7	RT41054	SOFTWARE TESTING METHODOLOGIES	19	47	3
15HP1A05B7	RT4105B	HADOOP AND BIG DATA	20	42	3
15HP1A05B7	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15HP1A05B7	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	48	2
15HP1A05B7	RT4105N	SOFTWARE TESTING LAB	25	49	2
15HP1A05B7	RT4105O	HADOOP AND BIGDATA LAB	23	44	2
15HP1A05B8	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	0	0
15HP1A05B8	RT41052	UML AND DESIGN PATTERNS	16	0	0
15HP1A05B8	RT41053	MOBILE COMPUTING	21	31	3
15HP1A05B8	RT41054	SOFTWARE TESTING METHODOLOGIES	20	30	3
15HP1A05B8	RT4105B	HADOOP AND BIG DATA	18	36	3
15HP1A05B8	RT4105L	UML AND DESIGN PATTERNS LAB	22	44	2
15HP1A05B8	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	42	2
15HP1A05B8	RT4105N	SOFTWARE TESTING LAB	22	47	2
15HP1A05B8	RT4105O	HADOOP AND BIGDATA LAB	21	36	2
15HP1A1201	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	36	3
15HP1A1201	RT41052	UML AND DESIGN PATTERNS	20	27	3
15HP1A1201	RT41053	MOBILE COMPUTING	17	30	3
15HP1A1201	RT41058	MULTIMEDIA COMPUTING	17	26	3
15HP1A1201	RT4105B	HADOOP AND BIG DATA	20	43	3
15HP1A1201	RT4112L	UML AND DESIGN PATTERNS LAB	23	48	2
15HP1A1201	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	25	47	2
15HP1A1201	RT4112N	SOFTWARE ENGINEERING LAB	23	48	2
15HP1A1201	RT4112O	HADOOP AND BIGDATA LAB	21	41	2
15HP1A1202	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	29	3
15HP1A1202	RT41052	UML AND DESIGN PATTERNS	23	36	3
15HP1A1202	RT41053	MOBILE COMPUTING	21	42	3
15HP1A1202	RT41058	MULTIMEDIA COMPUTING	22	30	3
15HP1A1202	RT4105B	HADOOP AND BIG DATA	23	40	3
15HP1A1202	RT4112L	UML AND DESIGN PATTERNS LAB	20	46	2
15HP1A1202	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	30	2
15HP1A1202	RT4112N	SOFTWARE ENGINEERING LAB	23	46	2
15HP1A1202	RT41120	HADOOP AND BIGDATA LAB	23	30	2
15HP1A1203	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	31	3
15HP1A1203	RT41052	UML AND DESIGN PATTERNS	20	34	3
15HP1A1203	RT41053	MOBILE COMPUTING	21	45	3
15HP1A1203	RT41058	MULTIMEDIA COMPUTING	22	31	3
15HP1A1203	RT4105B	HADOOP AND BIG DATA	16	50	3
15HP1A1203	RT4112L	UML AND DESIGN PATTERNS LAB	23	43	2
15HP1A1203	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	20	30	2
15HP1A1203	RT4112N	SOFTWARE ENGINEERING LAB	19	44	2
15HP1A1203	RT4112O	HADOOP AND BIGDATA LAB	17	23	2
15HP1A1204	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	35	3
15HP1A1204	RT41052	UML AND DESIGN PATTERNS	24	34	3
15HP1A1204	RT41053	MOBILE COMPUTING	23	31	3
15HP1A1204	RT41058	MULTIMEDIA COMPUTING	27	31	3
15HP1A1204	RT4105B	HADOOP AND BIG DATA	26	34	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A1204	RT4112L	UML AND DESIGN PATTERNS LAB	23	46	2
15HP1A1204	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	24	45	2
15HP1A1204	RT4112N	SOFTWARE ENGINEERING LAB	24	46	2
15HP1A1204	RT41120	HADOOP AND BIGDATA LAB	23	42	2
15HP1A1205	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	38	3
15HP1A1205	RT41052	UML AND DESIGN PATTERNS	23	28	3
15HP1A1205	RT41053	MOBILE COMPUTING	19	34	3
15HP1A1205	RT41058	MULTIMEDIA COMPUTING	24	36	3
15HP1A1205	RT4105B	HADOOP AND BIG DATA	24	37	3
15HP1A1205	RT4112L	UML AND DESIGN PATTERNS LAB	21	44	2
15HP1A1205	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	36	2
15HP1A1205	RT4112N	SOFTWARE ENGINEERING LAB	24	46	2
15HP1A1205	RT4112O	HADOOP AND BIGDATA LAB	22	35	2
15HP1A1206	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	29	3
15HP1A1206	RT41052	UML AND DESIGN PATTERNS	23	33	3
15HP1A1206	RT41053	MOBILE COMPUTING	22	36	3
15HP1A1206	RT41058	MULTIMEDIA COMPUTING	27	29	3
15HP1A1206	RT4105B	HADOOP AND BIG DATA	22	35	3
15HP1A1206	RT4112L	UML AND DESIGN PATTERNS LAB	24	47	2
15HP1A1206	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	33	2
15HP1A1206	RT4112N	SOFTWARE ENGINEERING LAB	24	47	2
15HP1A1206	RT41120	HADOOP AND BIGDATA LAB	23	32	2
15HP1A1207	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	29	3
15HP1A1207	RT41052	UML AND DESIGN PATTERNS	20	40	3
15HP1A1207	RT41053	MOBILE COMPUTING	20	37	3
15HP1A1207	RT41058	MULTIMEDIA COMPUTING	21	30	3
15HP1A1207	RT4105B	HADOOP AND BIG DATA	25	35	3
15HP1A1207	RT4112L	UML AND DESIGN PATTERNS LAB	22	47	2
15HP1A1207	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	21	34	2
15HP1A1207	RT4112N	SOFTWARE ENGINEERING LAB	24	45	2
15HP1A1207	RT4112O	HADOOP AND BIGDATA LAB	21	35	2
15HP1A1208	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	30	3
15HP1A1208	RT41052	UML AND DESIGN PATTERNS	23	29	3
15HP1A1208	RT41053	MOBILE COMPUTING	21	29	3
15HP1A1208	RT41058	MULTIMEDIA COMPUTING	24	26	3
15HP1A1208	RT4105B	HADOOP AND BIG DATA	25	51	3
15HP1A1208	RT4112L	UML AND DESIGN PATTERNS LAB	23	45	2
15HP1A1208	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	24	45	2
15HP1A1208	RT4112N	SOFTWARE ENGINEERING LAB	22	46	2
15HP1A1208	RT41120	HADOOP AND BIGDATA LAB	21	41	2
15HP1A1209	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	40	3
15HP1A1209	RT41052	UML AND DESIGN PATTERNS	21	34	3
15HP1A1209	RT41053	MOBILE COMPUTING	21	41	3
15HP1A1209	RT41058	MULTIMEDIA COMPUTING	26	31	3
15HP1A1209	RT4105B	HADOOP AND BIG DATA	23	41	3
15HP1A1209	RT4112L	UML AND DESIGN PATTERNS LAB	23	47	2
15HP1A1209	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	34	2
15HP1A1209	RT4112N	SOFTWARE ENGINEERING LAB	22	44	2
15HP1A1209	RT41120	HADOOP AND BIGDATA LAB	23	37	2
15HP1A1210	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	38	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A1210	RT41052	UML AND DESIGN PATTERNS	22	47	3
15HP1A1210	RT41053	MOBILE COMPUTING	25	32	3
15HP1A1210	RT41058	MULTIMEDIA COMPUTING	27	31	3
15HP1A1210	RT4105B	HADOOP AND BIG DATA	23	41	3
15HP1A1210	RT4112L	UML AND DESIGN PATTERNS LAB	22	49	2
15HP1A1210	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	43	2
15HP1A1210	RT4112N	SOFTWARE ENGINEERING LAB	22	46	2
15HP1A1210	RT41120	HADOOP AND BIGDATA LAB	22	32	2
15HP1A1211	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	30	3
15HP1A1211	RT41052	UML AND DESIGN PATTERNS	24	40	3
15HP1A1211	RT41053	MOBILE COMPUTING	22	50	3
15HP1A1211	RT41058	MULTIMEDIA COMPUTING	26	31	3
15HP1A1211	RT4105B	HADOOP AND BIG DATA	21	45	3
15HP1A1211	RT4112L	UML AND DESIGN PATTERNS LAB	22	45	2
15HP1A1211	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	39	2
15HP1A1211	RT4112N	SOFTWARE ENGINEERING LAB	24	46	2
15HP1A1211	RT4112O	HADOOP AND BIGDATA LAB	22	40	2
15HP1A1212	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	36	3
15HP1A1212	RT41052	UML AND DESIGN PATTERNS	30	34	3
15HP1A1212	RT41053	MOBILE COMPUTING	25	45	3
15HP1A1212	RT41058	MULTIMEDIA COMPUTING	27	27	3
15HP1A1212	RT4105B	HADOOP AND BIG DATA	26	45	3
15HP1A1212	RT4112L	UML AND DESIGN PATTERNS LAB	24	45	2
15HP1A1212	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	39	2
15HP1A1212	RT4112N	SOFTWARE ENGINEERING LAB	24	46	2
15HP1A1212	RT41120	HADOOP AND BIGDATA LAB	24	42	2
15HP1A1213	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	41	3
15HP1A1213	RT41052	UML AND DESIGN PATTERNS	28	26	3
15HP1A1213	RT41053	MOBILE COMPUTING	21	27	3
15HP1A1213	RT41058	MULTIMEDIA COMPUTING	24	30	3
15HP1A1213	RT4105B	HADOOP AND BIG DATA	21	37	3
15HP1A1213	RT4112L	UML AND DESIGN PATTERNS LAB	22	46	2
15HP1A1213	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	21	32	2
15HP1A1213	RT4112N	SOFTWARE ENGINEERING LAB	24	44	2
15HP1A1213	RT4112O	HADOOP AND BIGDATA LAB	24	37	2
15HP1A1215	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	28	29	3
15HP1A1215	RT41052	UML AND DESIGN PATTERNS	28	44	3
15HP1A1215	RT41053	MOBILE COMPUTING	27	39	3
15HP1A1215	RT41058	MULTIMEDIA COMPUTING	28	39	3
15HP1A1215	RT4105B	HADOOP AND BIG DATA	29	42	3
15HP1A1215	RT4112L	UML AND DESIGN PATTERNS LAB	23	46	2
15HP1A1215	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	23	50	2
15HP1A1215	RT4112N	SOFTWARE ENGINEERING LAB	24	47	2
15HP1A1215	RT4112O	HADOOP AND BIGDATA LAB	24	48	2
15HP1A1216	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	26	3
15HP1A1216	RT41052	UML AND DESIGN PATTERNS	24	42	3
15HP1A1216	RT41053	MOBILE COMPUTING	23	33	3
15HP1A1216	RT41058	MULTIMEDIA COMPUTING	26	25	3
15HP1A1216	RT4105B	HADOOP AND BIG DATA	19	39	3
15HP1A1216	RT4112L	UML AND DESIGN PATTERNS LAB	23	46	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A1216	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	39	2
15HP1A1216	RT4112N	SOFTWARE ENGINEERING LAB	24	44	2
15HP1A1216	RT4112O	HADOOP AND BIGDATA LAB	21	40	2
15HP1A1217	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	35	3
15HP1A1217	RT41052	UML AND DESIGN PATTERNS	23	40	3
15HP1A1217	RT41053	MOBILE COMPUTING	24	29	3
15HP1A1217	RT41058	MULTIMEDIA COMPUTING	24	34	3
15HP1A1217	RT4105B	HADOOP AND BIG DATA	22	43	3
15HP1A1217	RT4112L	UML AND DESIGN PATTERNS LAB	23	46	2
15HP1A1217	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	40	2
15HP1A1217	RT4112N	SOFTWARE ENGINEERING LAB	24	46	2
15HP1A1217	RT41120	HADOOP AND BIGDATA LAB	24	42	2
15HP1A1218	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	31	3
15HP1A1218	RT41052	UML AND DESIGN PATTERNS	20	33	3
15HP1A1218	RT41053	MOBILE COMPUTING	20	17	0
15HP1A1218	RT41058	MULTIMEDIA COMPUTING	23	34	3
15HP1A1218	RT4105B	HADOOP AND BIG DATA	19	38	3
15HP1A1218	RT4112L	UML AND DESIGN PATTERNS LAB	23	44	2
15HP1A1218	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	20	20	2
15HP1A1218	RT4112N	SOFTWARE ENGINEERING LAB	24	42	2
15HP1A1218	RT4112O	HADOOP AND BIGDATA LAB	21	38	2
15HP1A1219	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	31	3
15HP1A1219	RT41052	UML AND DESIGN PATTERNS	24	18	0
15HP1A1219	RT41053	MOBILE COMPUTING	18	33	3
15HP1A1219	RT41058	MULTIMEDIA COMPUTING	22	31	3
15HP1A1219	RT4105B	HADOOP AND BIG DATA	21	29	3
15HP1A1219	RT4112L	UML AND DESIGN PATTERNS LAB	24	44	2
15HP1A1219	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	21	32	2
15HP1A1219	RT4112N	SOFTWARE ENGINEERING LAB	23	44	2
15HP1A1219	RT41120	HADOOP AND BIGDATA LAB	23	36	2
15HP1A1220	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	25	3
15HP1A1220	RT41052	UML AND DESIGN PATTERNS	25	41	3
15HP1A1220	RT41053	MOBILE COMPUTING	19	36	3
15HP1A1220	RT41058	MULTIMEDIA COMPUTING	24	34	3
15HP1A1220	RT4105B	HADOOP AND BIG DATA	19	32	3
15HP1A1220	RT4112L	UML AND DESIGN PATTERNS LAB	23	44	2
15HP1A1220	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	40	2
15HP1A1220	RT4112N	SOFTWARE ENGINEERING LAB	24	45	2
15HP1A1220	RT4112O	HADOOP AND BIGDATA LAB	22	43	2
15HP1A1221	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	15	38	3
15HP1A1221	RT41052	UML AND DESIGN PATTERNS	25	32	3
15HP1A1221	RT41053	MOBILE COMPUTING	19	11	0
15HP1A1221	RT41058	MULTIMEDIA COMPUTING	26	34	3
15HP1A1221	RT4105B	HADOOP AND BIG DATA	23	34	3
15HP1A1221	RT4112L	UML AND DESIGN PATTERNS LAB	22	44	2
15HP1A1221	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	20	20	2
15HP1A1221	RT4112N	SOFTWARE ENGINEERING LAB	24	43	2
15HP1A1221	RT41120	HADOOP AND BIGDATA LAB	21	39	2
15HP1A1222	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	44	3
15HP1A1222	RT41052	UML AND DESIGN PATTERNS	22	30	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A1222	RT41053	MOBILE COMPUTING	19	56	3
15HP1A1222	RT41058	MULTIMEDIA COMPUTING	25	31	3
15HP1A1222	RT4105B	HADOOP AND BIG DATA	22	38	3
15HP1A1222	RT4112L	UML AND DESIGN PATTERNS LAB	24	47	2
15HP1A1222	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	30	2
15HP1A1222	RT4112N	SOFTWARE ENGINEERING LAB	23	44	2
15HP1A1222	RT4112O	HADOOP AND BIGDATA LAB	23	40	2
15HP1A1223	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	12	15	0
15HP1A1223	RT41052	UML AND DESIGN PATTERNS	17	21	0
15HP1A1223	RT41053	MOBILE COMPUTING	19	25	3
15HP1A1223	RT41058	MULTIMEDIA COMPUTING	22	15	0
15HP1A1223	RT4105B	HADOOP AND BIG DATA	11	20	0
15HP1A1223	RT4112L	UML AND DESIGN PATTERNS LAB	19	42	2
15HP1A1223	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	20	7	0
15HP1A1223	RT4112N	SOFTWARE ENGINEERING LAB	22	40	2
15HP1A1223	RT4112O	HADOOP AND BIGDATA LAB	17	30	2
15HP1A1225	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	59	3
15HP1A1225	RT41052	UML AND DESIGN PATTERNS	25	40	3
15HP1A1225	RT41053	MOBILE COMPUTING	20	63	3
15HP1A1225	RT41058	MULTIMEDIA COMPUTING	24	36	3
15HP1A1225	RT4105B	HADOOP AND BIG DATA	23	40	3
15HP1A1225	RT4112L	UML AND DESIGN PATTERNS LAB	24	49	2
15HP1A1225	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	23	30	2
15HP1A1225	RT4112N	SOFTWARE ENGINEERING LAB	24	46	2
15HP1A1225	RT4112O	HADOOP AND BIGDATA LAB	25	48	2
15HP1A1227	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	33	3
15HP1A1227	RT41052	UML AND DESIGN PATTERNS	24	33	3
15HP1A1227	RT41053	MOBILE COMPUTING	22	24	3
15HP1A1227	RT41058	MULTIMEDIA COMPUTING	23	30	3
15HP1A1227	RT4105B	HADOOP AND BIG DATA	19	32	3
15HP1A1227	RT4112L	UML AND DESIGN PATTERNS LAB	24	47	2
15HP1A1227	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	37	2
15HP1A1227	RT4112N	SOFTWARE ENGINEERING LAB	23	45	2
15HP1A1227	RT41120	HADOOP AND BIGDATA LAB	22	35	2
15HP1A1228	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	12	16	0
15HP1A1228	RT41052	UML AND DESIGN PATTERNS	18	12	0
15HP1A1228	RT41053	MOBILE COMPUTING	10	-1	0
15HP1A1228	RT41058	MULTIMEDIA COMPUTING	16	26	3
15HP1A1228	RT4105B	HADOOP AND BIG DATA	10	21	0
15HP1A1228	RT4112L	UML AND DESIGN PATTERNS LAB	20	42	2
15HP1A1228	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	18	7	0
15HP1A1228	RT4112N	SOFTWARE ENGINEERING LAB	22	36	2
15HP1A1228	RT4112O	HADOOP AND BIGDATA LAB	16	27	2
15HP1A1229	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	36	3
15HP1A1229	RT41052	UML AND DESIGN PATTERNS	23	45	3
15HP1A1229	RT41053	MOBILE COMPUTING	19	38	3
15HP1A1229	RT41058	MULTIMEDIA COMPUTING	22	30	3
15HP1A1229	RT4105B	HADOOP AND BIG DATA	27	48	3
15HP1A1229	RT4112L	UML AND DESIGN PATTERNS LAB	24	46	2
15HP1A1229	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	23	39	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A1229	RT4112N	SOFTWARE ENGINEERING LAB	24	45	2
15HP1A1229	RT41120	HADOOP AND BIGDATA LAB	24	42	2
15HP1A1230	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	35	3
15HP1A1230	RT41052	UML AND DESIGN PATTERNS	20	42	3
15HP1A1230	RT41053	MOBILE COMPUTING	20	33	3
15HP1A1230	RT41058	MULTIMEDIA COMPUTING	20	33	3
15HP1A1230	RT4105B	HADOOP AND BIG DATA	23	36	3
15HP1A1230	RT4112L	UML AND DESIGN PATTERNS LAB	23	46	2
15HP1A1230	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	35	2
15HP1A1230	RT4112N	SOFTWARE ENGINEERING LAB	22	43	2
15HP1A1230	RT4112O	HADOOP AND BIGDATA LAB	22	40	2
15HP1A1231	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	33	3
15HP1A1231	RT41052	UML AND DESIGN PATTERNS	21	37	3
15HP1A1231	RT41053	MOBILE COMPUTING	19	37	3
15HP1A1231	RT41058	MULTIMEDIA COMPUTING	21	33	3
15HP1A1231	RT4105B	HADOOP AND BIG DATA	23	35	3
15HP1A1231	RT4112L	UML AND DESIGN PATTERNS LAB	22	47	2
15HP1A1231	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	20	38	2
15HP1A1231	RT4112N	SOFTWARE ENGINEERING LAB	23	44	2
15HP1A1231	RT41120	HADOOP AND BIGDATA LAB	25	46	2
15HP1A1232	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	32	3
15HP1A1232	RT41052	UML AND DESIGN PATTERNS	17	28	3
15HP1A1232	RT41053	MOBILE COMPUTING	18	24	3
15HP1A1232	RT41058	MULTIMEDIA COMPUTING	15	26	3
15HP1A1232	RT4105B	HADOOP AND BIG DATA	17	33	3
15HP1A1232	RT4112L	UML AND DESIGN PATTERNS LAB	22	44	2
15HP1A1232	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	20	37	2
15HP1A1232	RT4112N	SOFTWARE ENGINEERING LAB	24	43	2
15HP1A1232	RT4112O	HADOOP AND BIGDATA LAB	20	43	2
15HP1A1233	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	13	22	0
15HP1A1233	RT41052	UML AND DESIGN PATTERNS	16	36	3
15HP1A1233	RT41053	MOBILE COMPUTING	13	27	3
15HP1A1233	RT41058	MULTIMEDIA COMPUTING	17	24	3
15HP1A1233	RT4105B	HADOOP AND BIG DATA	16	31	3
15HP1A1233	RT4112L	UML AND DESIGN PATTERNS LAB	19	42	2
15HP1A1233	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	14	24	2
15HP1A1233	RT4112N	SOFTWARE ENGINEERING LAB	18	39	2
15HP1A1233	RT41120	HADOOP AND BIGDATA LAB	15	43	2
15HP1A1234	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	31	3
15HP1A1234	RT41052	UML AND DESIGN PATTERNS	25	38	3
15HP1A1234	RT41053	MOBILE COMPUTING	24	36	3
15HP1A1234	RT41058	MULTIMEDIA COMPUTING	25	24	3
15HP1A1234	RT4105B	HADOOP AND BIG DATA	26	45	3
15HP1A1234	RT4112L	UML AND DESIGN PATTERNS LAB	24	46	2
15HP1A1234	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	19	33	2
15HP1A1234	RT4112N	SOFTWARE ENGINEERING LAB	24	43	2
15HP1A1234	RT4112O	HADOOP AND BIGDATA LAB	21	38	2
15HP1A1235	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	32	3
15HP1A1235	RT41052	UML AND DESIGN PATTERNS	16	25	3
15HP1A1235	RT41053	MOBILE COMPUTING	18	34	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A1235	RT41058	MULTIMEDIA COMPUTING	23	34	3
15HP1A1235	RT4105B	HADOOP AND BIG DATA	16	35	3
15HP1A1235	RT4112L	UML AND DESIGN PATTERNS LAB	19	46	2
15HP1A1235	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	19	23	2
15HP1A1235	RT4112N	SOFTWARE ENGINEERING LAB	19	40	2
15HP1A1235	RT41120	HADOOP AND BIGDATA LAB	16	36	2
15HP1A1236	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	36	3
15HP1A1236	RT41052	UML AND DESIGN PATTERNS	24	28	3
15HP1A1236	RT41053	MOBILE COMPUTING	24	27	3
15HP1A1236	RT41058	MULTIMEDIA COMPUTING	27	27	3
15HP1A1236	RT4105B	HADOOP AND BIG DATA	24	39	3
15HP1A1236	RT4112L	UML AND DESIGN PATTERNS LAB	24	47	2
15HP1A1236	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	24	40	2
15HP1A1236	RT4112N	SOFTWARE ENGINEERING LAB	22	46	2
15HP1A1236	RT4112O	HADOOP AND BIGDATA LAB	23	44	2
15HP1A1238	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	24	3
15HP1A1238	RT41052	UML AND DESIGN PATTERNS	22	30	3
15HP1A1238	RT41053	MOBILE COMPUTING	15	25	3
15HP1A1238	RT41058	MULTIMEDIA COMPUTING	14	27	3
15HP1A1238	RT4105B	HADOOP AND BIG DATA	11	29	3
15HP1A1238	RT4112L	UML AND DESIGN PATTERNS LAB	20	45	2
15HP1A1238	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	20	30	2
15HP1A1238	RT4112N	SOFTWARE ENGINEERING LAB	23	40	2
15HP1A1238	RT41120	HADOOP AND BIGDATA LAB	18	30	2
15HP1A1239	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	38	3
15HP1A1239	RT41052	UML AND DESIGN PATTERNS	27	45	3
15HP1A1239	RT41053	MOBILE COMPUTING	23	30	3
15HP1A1239	RT41058	MULTIMEDIA COMPUTING	27	34	3
15HP1A1239	RT4105B	HADOOP AND BIG DATA	20	36	3
15HP1A1239	RT4112L	UML AND DESIGN PATTERNS LAB	24	47	2
15HP1A1239	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	23	48	2
15HP1A1239	RT4112N	SOFTWARE ENGINEERING LAB	22	48	2
15HP1A1239	RT4112O	HADOOP AND BIGDATA LAB	23	47	2
15HP1A1240	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	45	3
15HP1A1240	RT41052	UML AND DESIGN PATTERNS	28	38	3
15HP1A1240	RT41053	MOBILE COMPUTING	24	34	3
15HP1A1240	RT41058	MULTIMEDIA COMPUTING	27	36	3
15HP1A1240	RT4105B	HADOOP AND BIG DATA	29	58	3
15HP1A1240	RT4112L	UML AND DESIGN PATTERNS LAB	23	49	2
15HP1A1240	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	23	49	2
15HP1A1240	RT4112N	SOFTWARE ENGINEERING LAB	24	49	2
15HP1A1240	RT4112O	HADOOP AND BIGDATA LAB	22	48	2
15HP1A1241	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	31	3
15HP1A1241	RT41052	UML AND DESIGN PATTERNS	19	26	3
15HP1A1241	RT41053	MOBILE COMPUTING	20	15	0
15HP1A1241	RT41058	MULTIMEDIA COMPUTING	20	24	3
15HP1A1241	RT4105B	HADOOP AND BIG DATA	18	5	0
15HP1A1241	RT4112L	UML AND DESIGN PATTERNS LAB	20	45	2
15HP1A1241	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	20	35	2
15HP1A1241	RT4112N	SOFTWARE ENGINEERING LAB	20	44	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A1241	RT4112O	HADOOP AND BIGDATA LAB	19	36	2
15HP1A1243	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	34	3
15HP1A1243	RT41052	UML AND DESIGN PATTERNS	25	29	3
15HP1A1243	RT41053	MOBILE COMPUTING	24	40	3
15HP1A1243	RT41058	MULTIMEDIA COMPUTING	22	24	3
15HP1A1243	RT4105B	HADOOP AND BIG DATA	25	39	3
15HP1A1243	RT4112L	UML AND DESIGN PATTERNS LAB	22	47	2
15HP1A1243	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	21	39	2
15HP1A1243	RT4112N	SOFTWARE ENGINEERING LAB	24	46	2
15HP1A1243	RT4112O	HADOOP AND BIGDATA LAB	23	45	2
15HP1A1244	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	11	0
15HP1A1244	RT41052	UML AND DESIGN PATTERNS	19	32	3
15HP1A1244	RT41053	MOBILE COMPUTING	20	33	3
15HP1A1244	RT41058	MULTIMEDIA COMPUTING	23	24	3
15HP1A1244	RT4105B	HADOOP AND BIG DATA	16	26	3
15HP1A1244	RT4112L	UML AND DESIGN PATTERNS LAB	20	43	2
15HP1A1244	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	18	25	2
15HP1A1244	RT4112N	SOFTWARE ENGINEERING LAB	22	42	2
15HP1A1244	RT4112O	HADOOP AND BIGDATA LAB	18	31	2
15HP1A1245	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	28	3
15HP1A1245	RT41052	UML AND DESIGN PATTERNS	20	31	3
15HP1A1245	RT41053	MOBILE COMPUTING	22	31	3
15HP1A1245	RT41058	MULTIMEDIA COMPUTING	26	33	3
15HP1A1245	RT4105B	HADOOP AND BIG DATA	23	47	3
15HP1A1245	RT4112L	UML AND DESIGN PATTERNS LAB	22	44	2
15HP1A1245	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	23	37	2
15HP1A1245	RT4112N	SOFTWARE ENGINEERING LAB	22	41	2
15HP1A1245	RT41120	HADOOP AND BIGDATA LAB	23	41	2
15HP1A1246	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	47	3
15HP1A1246	RT41052	UML AND DESIGN PATTERNS	26	33	3
15HP1A1246	RT41053	MOBILE COMPUTING	25	30	3
15HP1A1246	RT41058	MULTIMEDIA COMPUTING	28	31	3
15HP1A1246	RT4105B	HADOOP AND BIG DATA	28	62	3
15HP1A1246	RT4112L	UML AND DESIGN PATTERNS LAB	23	49	2
15HP1A1246	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	25	48	2
15HP1A1246	RT4112N	SOFTWARE ENGINEERING LAB	24	49	2
15HP1A1246	RT4112O	HADOOP AND BIGDATA LAB	23	46	2
15HP1A1247	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	29	3
15HP1A1247	RT41052	UML AND DESIGN PATTERNS	26	34	3
15HP1A1247	RT41053	MOBILE COMPUTING	20	38	3
15HP1A1247	RT41058	MULTIMEDIA COMPUTING	18	24	3
15HP1A1247	RT4105B	HADOOP AND BIG DATA	18	30	3
15HP1A1247	RT4112L	UML AND DESIGN PATTERNS LAB	24	48	2
15HP1A1247	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
15HP1A1247	RT4112N	SOFTWARE ENGINEERING LAB	20	45	2
15HP1A1247	RT41120	HADOOP AND BIGDATA LAB	21	48	2
15HP1A1248	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	12	0
15HP1A1248	RT41052	UML AND DESIGN PATTERNS	23	32	3
15HP1A1248	RT41053	MOBILE COMPUTING	21	29	3
15HP1A1248	RT41058	MULTIMEDIA COMPUTING	17	27	3

Htno	Subcode	Subname	Internal	External	Credits
15HP1A1248	RT4105B	HADOOP AND BIG DATA	13	31	3
15HP1A1248	RT4112L	UML AND DESIGN PATTERNS LAB	22	46	2
15HP1A1248	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	35	2
15HP1A1248	RT4112N	SOFTWARE ENGINEERING LAB	22	42	2
15HP1A1248	RT4112O	HADOOP AND BIGDATA LAB	21	38	2
15HP1A1250	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	34	3
15HP1A1250	RT41052	UML AND DESIGN PATTERNS	27	31	3
15HP1A1250	RT41053	MOBILE COMPUTING	25	40	3
15HP1A1250	RT41058	MULTIMEDIA COMPUTING	30	34	3
15HP1A1250	RT4105B	HADOOP AND BIG DATA	20	46	3
15HP1A1250	RT4112L	UML AND DESIGN PATTERNS LAB	24	48	2
15HP1A1250	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	23	40	2
15HP1A1250	RT4112N	SOFTWARE ENGINEERING LAB	23	46	2
15HP1A1250	RT41120	HADOOP AND BIGDATA LAB	20	48	2
15HP1A1251	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	31	3
15HP1A1251	RT41052	UML AND DESIGN PATTERNS	21	26	3
15HP1A1251	RT41053	MOBILE COMPUTING	20	18	0
15HP1A1251	RT41058	MULTIMEDIA COMPUTING	26	24	3
15HP1A1251	RT4105B	HADOOP AND BIG DATA	18	34	3
15HP1A1251	RT4112L	UML AND DESIGN PATTERNS LAB	21	44	2
15HP1A1251	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	21	37	2
15HP1A1251	RT4112N	SOFTWARE ENGINEERING LAB	23	42	2
15HP1A1251	RT4112O	HADOOP AND BIGDATA LAB	20	41	2
15HP1A1252	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	38	3
15HP1A1252	RT41052	UML AND DESIGN PATTERNS	26	47	3
15HP1A1252	RT41053	MOBILE COMPUTING	27	44	3
15HP1A1252	RT41058	MULTIMEDIA COMPUTING	29	31	3
15HP1A1252	RT4105B	HADOOP AND BIG DATA	28	50	3
15HP1A1252	RT4112L	UML AND DESIGN PATTERNS LAB	24	48	2
15HP1A1252	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
15HP1A1252	RT4112N	SOFTWARE ENGINEERING LAB	24	47	2
15HP1A1252	RT41120	HADOOP AND BIGDATA LAB	24	48	2
15HP1A1253	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	24	3
15HP1A1253	RT41052	UML AND DESIGN PATTERNS	22	27	3
15HP1A1253	RT41053	MOBILE COMPUTING	21	36	3
15HP1A1253	RT41058	MULTIMEDIA COMPUTING	21	27	3
15HP1A1253	RT4105B	HADOOP AND BIG DATA	17	40	3
15HP1A1253	RT4112L	UML AND DESIGN PATTERNS LAB	19	46	2
15HP1A1253	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	35	2
15HP1A1253	RT4112N	SOFTWARE ENGINEERING LAB	19	39	2
15HP1A1253	RT4112O	HADOOP AND BIGDATA LAB	19	40	2
15HP1A1254	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	13	0
15HP1A1254	RT41052	UML AND DESIGN PATTERNS	19	30	3
15HP1A1254	RT41053	MOBILE COMPUTING	23	9	0
15HP1A1254	RT41058	MULTIMEDIA COMPUTING	24	24	3
15HP1A1254	RT4105B	HADOOP AND BIG DATA	19	34	3
15HP1A1254	RT4112L	UML AND DESIGN PATTERNS LAB	21	44	2
15HP1A1254	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	16	26	2
15HP1A1254	RT4112N	SOFTWARE ENGINEERING LAB	20	40	2
15HP1A1254	RT41120	HADOOP AND BIGDATA LAB	22	36	2

Htno	Subcode	Subname	Internal	External	Credits
15HP1A1255	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	33	3
15HP1A1255	RT41052	UML AND DESIGN PATTERNS	28	34	3
15HP1A1255	RT41053	MOBILE COMPUTING	15	40	3
15HP1A1255	RT41058	MULTIMEDIA COMPUTING	28	34	3
15HP1A1255	RT4105B	HADOOP AND BIG DATA	17	34	3
15HP1A1255	RT4112L	UML AND DESIGN PATTERNS LAB	23	46	2
15HP1A1255	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	24	44	2
15HP1A1255	RT4112N	SOFTWARE ENGINEERING LAB	24	48	2
15HP1A1255	RT4112O	HADOOP AND BIGDATA LAB	22	48	2
15HP1A1256	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	15	0
15HP1A1256	RT41052	UML AND DESIGN PATTERNS	18	18	0
15HP1A1256	RT41053	MOBILE COMPUTING	18	33	3
15HP1A1256	RT41058	MULTIMEDIA COMPUTING	23	18	0
15HP1A1256	RT4105B	HADOOP AND BIG DATA	17	8	0
15HP1A1256	RT4112L	UML AND DESIGN PATTERNS LAB	20	44	2
15HP1A1256	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	19	23	2
15HP1A1256	RT4112N	SOFTWARE ENGINEERING LAB	21	40	2
15HP1A1256	RT4112O	HADOOP AND BIGDATA LAB	19	34	2
15HP1A1257	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	50	3
15HP1A1257	RT41052	UML AND DESIGN PATTERNS	23	36	3
15HP1A1257	RT41053	MOBILE COMPUTING	26	37	3
15HP1A1257	RT41058	MULTIMEDIA COMPUTING	26	31	3
15HP1A1257	RT4105B	HADOOP AND BIG DATA	19	36	3
15HP1A1257	RT4112L	UML AND DESIGN PATTERNS LAB	23	46	2
15HP1A1257	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	22	46	2
15HP1A1257	RT4112N	SOFTWARE ENGINEERING LAB	24	48	2
15HP1A1257	RT4112O	HADOOP AND BIGDATA LAB	20	42	2
15HP5A0309	RT41033	FINITE ELEMENT METHODS	11	17	0
15HP5A0312	RT41033	FINITE ELEMENT METHODS	11	23	0
15HP5A0317	RT41033	FINITE ELEMENT METHODS	17	13	0
15HP5A0320	RT41031	AUTOMOBILE ENGINEERING	13	31	3
15HP5A0408	RT41043	DIGITAL IMAGE PROCESSING	10	32	3
15HP5A0408	RT41048	RADAR SYSTEMS	18	31	3
15HP5A0410	RT4104A	OPTICAL COMMUNICATION	16	13	0
15HP5A0412	RT41048	RADAR SYSTEMS	15	15	0
15HP5A0415	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	15	37	3
15HP5A0415	RT4104A	OPTICAL COMMUNICATION	12	12	0
15HP5A0430	RT4104A	OPTICAL COMMUNICATION	14	29	3
15HP5A0432	RT41048	RADAR SYSTEMS	20	32	3
15HP5A0433	RT41043	DIGITAL IMAGE PROCESSING	19	-1	0
15HP5A0433	RT4104A	OPTICAL COMMUNICATION	14	17	0
15HP5A0508	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	9	0
15HP5A0508	RT41054	SOFTWARE TESTING METHODOLOGIES	22	25	3
15HP5A0510	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	39	3
15HP5A0510	RT41052	UML AND DESIGN PATTERNS	19	28	3
15HP5A0510	RT41053	MOBILE COMPUTING	19	29	3
15HP5A0510	RT41054	SOFTWARE TESTING METHODOLOGIES	24	31	3
15HP5A0510	RT4105B	HADOOP AND BIG DATA	22	38	3
15HP5A0510	RT4105L	UML AND DESIGN PATTERNS LAB	20	44	2
15HP5A0510	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	35	2

Htno	Subcode	Subname	Internal	External	Credits
15HP5A0510	RT4105N	SOFTWARE TESTING LAB	22	46	2
15HP5A0510	RT4105O	HADOOP AND BIGDATA LAB	15	35	2
15HP5A0519	RT41054	SOFTWARE TESTING METHODOLOGIES	17	27	3
16HP5A0101	RT41011	ENVIRONMENTAL ENGINEERING- II	19	32	3
16HP5A0101	RT41012	PRESTRESSED CONCRETE	23	13	0
16HP5A0101	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	44	3
16HP5A0101	RT41014	WATER RESOURCES ENGINEERING - II	18	24	3
16HP5A0101	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	39	3
16HP5A0101	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	38	3
16HP5A0101	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	44	2
16HP5A0101	RT4101M	GIS AND CAD LAB	25	44	2
16HP5A0102	RT41011	ENVIRONMENTAL ENGINEERING- II	18	32	3
16HP5A0102	RT41012	PRESTRESSED CONCRETE	21	43	3
16HP5A0102	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	37	3
16HP5A0102	RT41014	WATER RESOURCES ENGINEERING - II	20	53	3
16HP5A0102	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	67	3
16HP5A0102	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	46	3
16HP5A0102	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	42	2
16HP5A0102	RT4101M	GIS AND CAD LAB	25	44	2
16HP5A0103	RT41011	ENVIRONMENTAL ENGINEERING- II	27	44	3
16HP5A0103	RT41012	PRESTRESSED CONCRETE	29	40	3
16HP5A0103	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	49	3
16HP5A0103	RT41014	WATER RESOURCES ENGINEERING - II	26	53	3
16HP5A0103	RT41015	REMOTE SENSING AND GIS APPLICATIONS	29	56	3
16HP5A0103	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	41	3
16HP5A0103	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	46	2
16HP5A0103	RT4101M	GIS AND CAD LAB	25	48	2
16HP5A0104	RT41011	ENVIRONMENTAL ENGINEERING- II	26	39	3
16HP5A0104	RT41012	PRESTRESSED CONCRETE	28	37	3
16HP5A0104	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	70	3
16HP5A0104	RT41014	WATER RESOURCES ENGINEERING - II	23	55	3
16HP5A0104	RT41015	REMOTE SENSING AND GIS APPLICATIONS	30	55	3
16HP5A0104	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	45	3
16HP5A0104	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	46	2
16HP5A0104	RT4101M	GIS AND CAD LAB	25	46	2
16HP5A0105	RT41011	ENVIRONMENTAL ENGINEERING- II	12	29	3
16HP5A0105	RT41012	PRESTRESSED CONCRETE	21	35	3
16HP5A0105	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	19	36	3
16HP5A0105	RT41014	WATER RESOURCES ENGINEERING - II	18	28	3
16HP5A0105	RT41015	REMOTE SENSING AND GIS APPLICATIONS	18	45	3
16HP5A0105	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	28	3
16HP5A0105	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	44	2
16HP5A0105	RT4101M	GIS AND CAD LAB	25	38	2
16HP5A0106	RT41011	ENVIRONMENTAL ENGINEERING- II	21	31	3
16HP5A0106	RT41012	PRESTRESSED CONCRETE	20	31	3
16HP5A0106	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	28	3
16HP5A0106	RT41014	WATER RESOURCES ENGINEERING - II	16	10	0
16HP5A0106	RT41015	REMOTE SENSING AND GIS APPLICATIONS	19	42	3
16HP5A0106	RT41016	GROUND IMPROVEMENT TECHNIQUES	27	29	3
16HP5A0106	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	36	2

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0106	RT4101M	GIS AND CAD LAB	25	35	2
16HP5A0107	RT41011	ENVIRONMENTAL ENGINEERING- II	27	49	3
16HP5A0107	RT41012	PRESTRESSED CONCRETE	30	54	3
16HP5A0107	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	57	3
16HP5A0107	RT41014	WATER RESOURCES ENGINEERING - II	26	53	3
16HP5A0107	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	57	3
16HP5A0107	RT41016	GROUND IMPROVEMENT TECHNIQUES	29	43	3
16HP5A0107	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	46	2
16HP5A0107	RT4101M	GIS AND CAD LAB	25	48	2
16HP5A0108	RT41011	ENVIRONMENTAL ENGINEERING- II	21	24	3
16HP5A0108	RT41012	PRESTRESSED CONCRETE	19	26	3
16HP5A0108	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	31	3
16HP5A0108	RT41014	WATER RESOURCES ENGINEERING - II	24	46	3
16HP5A0108	RT41015	REMOTE SENSING AND GIS APPLICATIONS	29	37	3
16HP5A0108	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	44	3
16HP5A0108	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	41	2
16HP5A0108	RT4101M	GIS AND CAD LAB	25	43	2
16HP5A0109	RT41011	ENVIRONMENTAL ENGINEERING- II	26	48	3
16HP5A0109	RT41012	PRESTRESSED CONCRETE	29	49	3
16HP5A0109	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	51	3
16HP5A0109	RT41014	WATER RESOURCES ENGINEERING - II	24	48	3
16HP5A0109	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	45	3
16HP5A0109	RT41016	GROUND IMPROVEMENT TECHNIQUES	29	47	3
16HP5A0109	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	45	2
16HP5A0109	RT4101M	GIS AND CAD LAB	23	45	2
16HP5A0110	RT41011	ENVIRONMENTAL ENGINEERING- II	23	30	3
16HP5A0110	RT41012	PRESTRESSED CONCRETE	26	58	3
16HP5A0110	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	38	3
16HP5A0110	RT41014	WATER RESOURCES ENGINEERING - II	26	53	3
16HP5A0110	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	64	3
16HP5A0110	RT41016	GROUND IMPROVEMENT TECHNIQUES	27	31	3
16HP5A0110	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	40	2
16HP5A0110	RT4101M	GIS AND CAD LAB	25	47	2
16HP5A0111	RT41011	ENVIRONMENTAL ENGINEERING- II	16	31	3
16HP5A0111	RT41012	PRESTRESSED CONCRETE	21	17	0
16HP5A0111	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	39	3
16HP5A0111	RT41014	WATER RESOURCES ENGINEERING - II	20	26	3
16HP5A0111	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	28	3
16HP5A0111	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	25	3
16HP5A0111	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	38	2
16HP5A0111	RT4101M	GIS AND CAD LAB	24	37	2
16HP5A0112	RT41011	ENVIRONMENTAL ENGINEERING- II	24	45	3
16HP5A0112	RT41012	PRESTRESSED CONCRETE	27	35	3
16HP5A0112	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	67	3
16HP5A0112	RT41014	WATER RESOURCES ENGINEERING - II	22	57	3
16HP5A0112	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	64	3
16HP5A0112	RT41016	GROUND IMPROVEMENT TECHNIQUES	29	57	3
16HP5A0112	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	44	2
16HP5A0112	RT4101M	GIS AND CAD LAB	25	45	2
16HP5A0113	RT41011	ENVIRONMENTAL ENGINEERING- II	25	34	3

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0113	RT41012	PRESTRESSED CONCRETE	29	31	3
16HP5A0113	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	56	3
16HP5A0113	RT41014	WATER RESOURCES ENGINEERING - II	24	50	3
16HP5A0113	RT41015	REMOTE SENSING AND GIS APPLICATIONS	28	29	3
16HP5A0113	RT41016	GROUND IMPROVEMENT TECHNIQUES	29	44	3
16HP5A0113	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	45	2
16HP5A0113	RT4101M	GIS AND CAD LAB	24	44	2
16HP5A0201	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	51	3
16HP5A0201	RT41022	HVAC AND DC TRANSMISSION	27	45	3
16HP5A0201	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	63	3
16HP5A0201	RT41025	INSTRUMENTATION	25	56	3
16HP5A0201	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	29	42	3
16HP5A0201	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	48	2
16HP5A0201	RT4102M	ELECTRICAL SIMULATION LAB	24	48	2
16HP5A0201	RT4102N	POWER SYSTEMS LAB	22	46	2
16HP5A0202	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	30	44	3
16HP5A0202	RT41022	HVAC AND DC TRANSMISSION	27	42	3
16HP5A0202	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	41	3
16HP5A0202	RT41025	INSTRUMENTATION	26	45	3
16HP5A0202	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	29	48	3
16HP5A0202	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
16HP5A0202	RT4102M	ELECTRICAL SIMULATION LAB	24	48	2
16HP5A0202	RT4102N	POWER SYSTEMS LAB	24	48	2
16HP5A0203	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	46	3
16HP5A0203	RT41022	HVAC AND DC TRANSMISSION	28	51	3
16HP5A0203	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	40	3
16HP5A0203	RT41025	INSTRUMENTATION	25	66	3
16HP5A0203	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	30	48	3
16HP5A0203	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	46	2
16HP5A0203	RT4102M	ELECTRICAL SIMULATION LAB	24	47	2
16HP5A0203	RT4102N	POWER SYSTEMS LAB	23	45	2
16HP5A0204	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	61	3
16HP5A0204	RT41022	HVAC AND DC TRANSMISSION	26	42	3
16HP5A0204	RT41023	POWER SYSTEM OPERATION AND CONTROL	28	70	3
16HP5A0204	RT41025	INSTRUMENTATION	25	52	3
16HP5A0204	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	29	41	3
16HP5A0204	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	48	2
16HP5A0204	RT4102M	ELECTRICAL SIMULATION LAB	24	48	2
16HP5A0204	RT4102N	POWER SYSTEMS LAB	24	48	2
16HP5A0205	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	47	3
16HP5A0205	RT41022	HVAC AND DC TRANSMISSION	24	44	3
16HP5A0205	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	57	3
16HP5A0205	RT41025	INSTRUMENTATION	21	48	3
16HP5A0205	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	23	40	3
16HP5A0205	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	39	2
16HP5A0205	RT4102M	ELECTRICAL SIMULATION LAB	24	48	2
16HP5A0205	RT4102N	POWER SYSTEMS LAB	22	44	2
16HP5A0206	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	34	3
16HP5A0206	RT41022	HVAC AND DC TRANSMISSION	27	32	3
16HP5A0206	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	35	3

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0206	RT41025	INSTRUMENTATION	23	38	3
16HP5A0206	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	40	3
16HP5A0206	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	48	2
16HP5A0206	RT4102M	ELECTRICAL SIMULATION LAB	23	47	2
16HP5A0206	RT4102N	POWER SYSTEMS LAB	22	46	2
16HP5A0207	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	29	3
16HP5A0207	RT41022	HVAC AND DC TRANSMISSION	27	38	3
16HP5A0207	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	30	3
16HP5A0207	RT41025	INSTRUMENTATION	19	59	3
16HP5A0207	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	39	3
16HP5A0207	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	48	2
16HP5A0207	RT4102M	ELECTRICAL SIMULATION LAB	24	48	2
16HP5A0207	RT4102N	POWER SYSTEMS LAB	22	44	2
16HP5A0208	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	15	0
16HP5A0208	RT41022	HVAC AND DC TRANSMISSION	22	25	3
16HP5A0208	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	29	3
16HP5A0208	RT41025	INSTRUMENTATION	15	16	0
16HP5A0208	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	12	0
16HP5A0208	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	33	2
16HP5A0208	RT4102M	ELECTRICAL SIMULATION LAB	18	25	2
16HP5A0208	RT4102N	POWER SYSTEMS LAB	19	40	2
16HP5A0209	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	24	3
16HP5A0209	RT41022	HVAC AND DC TRANSMISSION	19	39	3
16HP5A0209	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	42	3
16HP5A0209	RT41025	INSTRUMENTATION	13	33	3
16HP5A0209	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	40	3
16HP5A0209	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	38	2
16HP5A0209	RT4102M	ELECTRICAL SIMULATION LAB	20	45	2
16HP5A0209	RT4102N	POWER SYSTEMS LAB	20	42	2
16HP5A0212	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	23	24	3
16HP5A0212	RT41022	HVAC AND DC TRANSMISSION	26	24	3
16HP5A0212	RT41023	POWER SYSTEM OPERATION AND CONTROL	20	24	3
16HP5A0212	RT41025	INSTRUMENTATION	15	17	0
16HP5A0212	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	30	3
16HP5A0212	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	30	2
16HP5A0212	RT4102M	ELECTRICAL SIMULATION LAB	20	40	2
16HP5A0212	RT4102N	POWER SYSTEMS LAB	21	44	2
16HP5A0213	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	28	3
16HP5A0213	RT41022	HVAC AND DC TRANSMISSION	19	29	3
16HP5A0213	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	48	3
16HP5A0213	RT41025	INSTRUMENTATION	16	38	3
16HP5A0213	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	23	60	3
16HP5A0213	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	38	2
16HP5A0213	RT4102M	ELECTRICAL SIMULATION LAB	22	47	2
16HP5A0213	RT4102N	POWER SYSTEMS LAB	21	44	2
16HP5A0214	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	25	3
16HP5A0214	RT41022	HVAC AND DC TRANSMISSION	20	30	3
16HP5A0214	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	28	3
16HP5A0214	RT41025	INSTRUMENTATION	21	42	3
16HP5A0214	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	19	27	3

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0214	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	40	2
16HP5A0214	RT4102M	ELECTRICAL SIMULATION LAB	23	45	2
16HP5A0214	RT4102N	POWER SYSTEMS LAB	21	42	2
16HP5A0215	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	43	3
16HP5A0215	RT41022	HVAC AND DC TRANSMISSION	25	52	3
16HP5A0215	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	50	3
16HP5A0215	RT41025	INSTRUMENTATION	22	52	3
16HP5A0215	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	37	3
16HP5A0215	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	47	2
16HP5A0215	RT4102M	ELECTRICAL SIMULATION LAB	24	49	2
16HP5A0215	RT4102N	POWER SYSTEMS LAB	21	41	2
16HP5A0216	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	28	3
16HP5A0216	RT41022	HVAC AND DC TRANSMISSION	24	39	3
16HP5A0216	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	33	3
16HP5A0216	RT41025	INSTRUMENTATION	9	31	3
16HP5A0216	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	36	3
16HP5A0216	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	32	2
16HP5A0216	RT4102M	ELECTRICAL SIMULATION LAB	23	41	2
16HP5A0216	RT4102N	POWER SYSTEMS LAB	21	42	2
16HP5A0217	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	26	3
16HP5A0217	RT41022	HVAC AND DC TRANSMISSION	24	31	3
16HP5A0217	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	36	3
16HP5A0217	RT41025	INSTRUMENTATION	19	24	3
16HP5A0217	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	20	17	0
16HP5A0217	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	32	2
16HP5A0217	RT4102M	ELECTRICAL SIMULATION LAB	22	38	2
16HP5A0217	RT4102N	POWER SYSTEMS LAB	23	42	2
16HP5A0218	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	23	33	3
16HP5A0218	RT41022	HVAC AND DC TRANSMISSION	22	27	3
16HP5A0218	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	40	3
16HP5A0218	RT41025	INSTRUMENTATION	26	49	3
16HP5A0218	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	35	3
16HP5A0218	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	35	2
16HP5A0218	RT4102M	ELECTRICAL SIMULATION LAB	24	39	2
16HP5A0218	RT4102N	POWER SYSTEMS LAB	23	43	2
16HP5A0220	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	17	37	3
16HP5A0220	RT41022	HVAC AND DC TRANSMISSION	18	38	3
16HP5A0220	RT41023	POWER SYSTEM OPERATION AND CONTROL	23	48	3
16HP5A0220	RT41025	INSTRUMENTATION	7	40	3
16HP5A0220	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	47	3
16HP5A0220	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	35	2
16HP5A0220	RT4102M	ELECTRICAL SIMULATION LAB	22	41	2
16HP5A0220	RT4102N	POWER SYSTEMS LAB	23	42	2
16HP5A0301	RT41031	AUTOMOBILE ENGINEERING	22	56	3
16HP5A0301	RT41032	CAD / CAM	16	51	3
16HP5A0301	RT41033	FINITE ELEMENT METHODS	20	24	3
16HP5A0301	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	32	3
16HP5A0301	RT41035	MEMS	26	13	0
16HP5A0301	RT41039	AUTOMATION IN MANUFACTURING	23	46	3
16HP5A0301	RT4103L	SIMULATION LAB	20	37	2

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0301	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
16HP5A0303	RT41031	AUTOMOBILE ENGINEERING	21	28	3
16HP5A0303	RT41032	CAD / CAM	16	34	3
16HP5A0303	RT41033	FINITE ELEMENT METHODS	26	31	3
16HP5A0303	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	35	3
16HP5A0303	RT41035	MEMS	23	40	3
16HP5A0303	RT41039	AUTOMATION IN MANUFACTURING	23	27	3
16HP5A0303	RT4103L	SIMULATION LAB	20	40	2
16HP5A0303	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
16HP5A0304	RT41031	AUTOMOBILE ENGINEERING	22	34	3
16HP5A0304	RT41032	CAD / CAM	16	36	3
16HP5A0304	RT41033	FINITE ELEMENT METHODS	20	46	3
16HP5A0304	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	37	3
16HP5A0304	RT41035	MEMS	19	26	3
16HP5A0304	RT41039	AUTOMATION IN MANUFACTURING	18	41	3
16HP5A0304	RT4103L	SIMULATION LAB	15	27	2
16HP5A0304	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
16HP5A0305	RT41031	AUTOMOBILE ENGINEERING	23	44	3
16HP5A0305	RT41032	CAD / CAM	14	38	3
16HP5A0305	RT41033	FINITE ELEMENT METHODS	17	43	3
16HP5A0305	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	40	3
16HP5A0305	RT41035	MEMS	25	43	3
16HP5A0305	RT41039	AUTOMATION IN MANUFACTURING	23	44	3
16HP5A0305	RT4103L	SIMULATION LAB	23	31	2
16HP5A0305	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
16HP5A0306	RT41031	AUTOMOBILE ENGINEERING	25	69	3
16HP5A0306	RT41032	CAD / CAM	15	51	3
16HP5A0306	RT41033	FINITE ELEMENT METHODS	19	24	3
16HP5A0306	RT41034	UNCONVENTIONAL MACHINING PROCESSES	27	52	3
16HP5A0306	RT41035	MEMS	22	39	3
16HP5A0306	RT41039	AUTOMATION IN MANUFACTURING	22	58	3
16HP5A0306	RT4103L	SIMULATION LAB	23	35	2
16HP5A0306	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
16HP5A0307	RT41031	AUTOMOBILE ENGINEERING	22	28	3
16HP5A0307	RT41032	CAD / CAM	14	31	3
16HP5A0307	RT41033	FINITE ELEMENT METHODS	19	24	3
16HP5A0307	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	28	3
16HP5A0307	RT41035	MEMS	22	45	3
16HP5A0307	RT41039	AUTOMATION IN MANUFACTURING	24	31	3
16HP5A0307	RT4103L	SIMULATION LAB	20	33	2
16HP5A0307	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
16HP5A0308	RT41031	AUTOMOBILE ENGINEERING	22	60	3
16HP5A0308	RT41032	CAD / CAM	16	42	3
16HP5A0308	RT41033	FINITE ELEMENT METHODS	26	64	3
16HP5A0308	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	42	3
16HP5A0308	RT41035	MEMS	25	24	3
16HP5A0308	RT41039	AUTOMATION IN MANUFACTURING	20	49	3
16HP5A0308	RT4103L	SIMULATION LAB	18	47	2
16HP5A0308	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
16HP5A0309	RT41031	AUTOMOBILE ENGINEERING	24	44	3

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0309	RT41032	CAD / CAM	13	38	3
16HP5A0309	RT41033	FINITE ELEMENT METHODS	22	48	3
16HP5A0309	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	40	3
16HP5A0309	RT41035	MEMS	17	34	3
16HP5A0309	RT41039	AUTOMATION IN MANUFACTURING	20	53	3
16HP5A0309	RT4103L	SIMULATION LAB	21	28	2
16HP5A0309	RT4103M	DESIGN FABRICATION PROJECT	34	0	1
16HP5A0310	RT41031	AUTOMOBILE ENGINEERING	22	65	3
16HP5A0310	RT41032	CAD / CAM	16	57	3
16HP5A0310	RT41033	FINITE ELEMENT METHODS	22	12	0
16HP5A0310	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	27	3
16HP5A0310	RT41035	MEMS	23	35	3
16HP5A0310	RT41039	AUTOMATION IN MANUFACTURING	21	37	3
16HP5A0310	RT4103L	SIMULATION LAB	20	31	2
16HP5A0310	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
16HP5A0311	RT41031	AUTOMOBILE ENGINEERING	24	31	3
16HP5A0311	RT41032	CAD / CAM	12	35	3
16HP5A0311	RT41033	FINITE ELEMENT METHODS	20	42	3
16HP5A0311	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	39	3
16HP5A0311	RT41035	MEMS	18	42	3
16HP5A0311	RT41039	AUTOMATION IN MANUFACTURING	16	33	3
16HP5A0311	RT4103L	SIMULATION LAB	24	47	2
16HP5A0311	RT4103M	DESIGN FABRICATION PROJECT	30	0	1
16HP5A0312	RT41031	AUTOMOBILE ENGINEERING	17	32	3
16HP5A0312	RT41032	CAD / CAM	7	18	0
16HP5A0312	RT41033	FINITE ELEMENT METHODS	9	0	0
16HP5A0312	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	36	3
16HP5A0312	RT41035	MEMS	18	25	3
16HP5A0312	RT41039	AUTOMATION IN MANUFACTURING	19	14	0
16HP5A0312	RT4103L	SIMULATION LAB	15	7	0
16HP5A0312	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
16HP5A0313	RT41031	AUTOMOBILE ENGINEERING	20	50	3
16HP5A0313	RT41032	CAD / CAM	13	34	3
16HP5A0313	RT41033	FINITE ELEMENT METHODS	22	33	3
16HP5A0313	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	43	3
16HP5A0313	RT41035	MEMS	20	27	3
16HP5A0313	RT41039	AUTOMATION IN MANUFACTURING	18	44	3
16HP5A0313	RT4103L	SIMULATION LAB	24	32	2
16HP5A0313	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
16HP5A0314	RT41031	AUTOMOBILE ENGINEERING	28	70	3
16HP5A0314	RT41032	CAD / CAM	14	46	3
16HP5A0314	RT41033	FINITE ELEMENT METHODS	17	10	0
16HP5A0314	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	33	3
16HP5A0314	RT41035	MEMS	22	32	3
16HP5A0314	RT41039	AUTOMATION IN MANUFACTURING	13	44	3
16HP5A0314	RT4103L	SIMULATION LAB	24	36	2
16HP5A0314	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
16HP5A0315	RT41031	AUTOMOBILE ENGINEERING	21	24	3
16HP5A0315	RT41032	CAD / CAM	10	39	3
16HP5A0315	RT41033	FINITE ELEMENT METHODS	15	36	3

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0315	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	37	3
16HP5A0315	RT41035	MEMS	18	45	3
16HP5A0315	RT41039	AUTOMATION IN MANUFACTURING	19	30	3
16HP5A0315	RT4103L	SIMULATION LAB	21	35	2
16HP5A0315	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
16HP5A0316	RT41031	AUTOMOBILE ENGINEERING	26	60	3
16HP5A0316	RT41032	CAD / CAM	18	39	3
16HP5A0316	RT41033	FINITE ELEMENT METHODS	21	40	3
16HP5A0316	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	37	3
16HP5A0316	RT41035	MEMS	23	32	3
16HP5A0316	RT41039	AUTOMATION IN MANUFACTURING	23	43	3
16HP5A0316	RT4103L	SIMULATION LAB	23	45	2
16HP5A0316	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
16HP5A0317	RT41031	AUTOMOBILE ENGINEERING	23	41	3
16HP5A0317	RT41032	CAD / CAM	19	27	3
16HP5A0317	RT41033	FINITE ELEMENT METHODS	16	31	3
16HP5A0317	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	48	3
16HP5A0317	RT41036	NANO TECHNOLOGY	21	31	3
16HP5A0317	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	24	25	3
16HP5A0317	RT4103L	SIMULATION LAB	20	31	2
16HP5A0317	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
16HP5A0318	RT41031	AUTOMOBILE ENGINEERING	18	67	3
16HP5A0318	RT41032	CAD / CAM	20	42	3
16HP5A0318	RT41033	FINITE ELEMENT METHODS	22	17	0
16HP5A0318	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	45	3
16HP5A0318	RT41036	NANO TECHNOLOGY	21	29	3
16HP5A0318	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	24	3
16HP5A0318	RT4103L	SIMULATION LAB	18	48	2
16HP5A0318	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
16HP5A0319	RT41031	AUTOMOBILE ENGINEERING	26	32	3
16HP5A0319	RT41032	CAD / CAM	23	26	3
16HP5A0319	RT41033	FINITE ELEMENT METHODS	21	38	3
16HP5A0319	RT41034	UNCONVENTIONAL MACHINING PROCESSES	27	36	3
16HP5A0319	RT41036	NANO TECHNOLOGY	21	43	3
16HP5A0319	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	32	3
16HP5A0319	RT4103L	SIMULATION LAB	20	49	2
16HP5A0319	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
16HP5A0320	RT41031	AUTOMOBILE ENGINEERING	26	58	3
16HP5A0320	RT41032	CAD / CAM	17	26	3
16HP5A0320	RT41033	FINITE ELEMENT METHODS	21	43	3
16HP5A0320	RT41034	UNCONVENTIONAL MACHINING PROCESSES	28	40	3
16HP5A0320	RT41036	NANO TECHNOLOGY	20	58	3
16HP5A0320	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	21	29	3
16HP5A0320	RT4103L	SIMULATION LAB	19	40	2
16HP5A0320	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
16HP5A0322	RT41031	AUTOMOBILE ENGINEERING	19	32	3
16HP5A0322	RT41032	CAD / CAM	16	29	3
16HP5A0322	RT41033	FINITE ELEMENT METHODS	19	42	3
16HP5A0322	RT41034	UNCONVENTIONAL MACHINING PROCESSES	27	38	3
16HP5A0322	RT41036	NANO TECHNOLOGY	19	33	3

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0322	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	14	29	3
16HP5A0322	RT4103L	SIMULATION LAB	19	31	2
16HP5A0322	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
16HP5A0323	RT41031	AUTOMOBILE ENGINEERING	15	69	3
16HP5A0323	RT41032	CAD / CAM	10	37	3
16HP5A0323	RT41033	FINITE ELEMENT METHODS	14	10	0
16HP5A0323	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	18	0
16HP5A0323	RT41036	NANO TECHNOLOGY	10	30	3
16HP5A0323	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	14	18	0
16HP5A0323	RT4103L	SIMULATION LAB	14	40	2
16HP5A0323	RT4103M	DESIGN FABRICATION PROJECT	34	0	1
16HP5A0324	RT41031	AUTOMOBILE ENGINEERING	15	25	3
16HP5A0324	RT41032	CAD / CAM	10	30	3
16HP5A0324	RT41033	FINITE ELEMENT METHODS	12	14	0
16HP5A0324	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	33	3
16HP5A0324	RT41036	NANO TECHNOLOGY	10	32	3
16HP5A0324	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	11	12	0
16HP5A0324	RT4103L	SIMULATION LAB	17	39	2
16HP5A0324	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
16HP5A0325	RT41031	AUTOMOBILE ENGINEERING	20	63	3
16HP5A0325	RT41032	CAD / CAM	14	31	3
16HP5A0325	RT41033	FINITE ELEMENT METHODS	20	59	3
16HP5A0325	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	41	3
16HP5A0325	RT41036	NANO TECHNOLOGY	23	61	3
16HP5A0325	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	21	27	3
16HP5A0325	RT4103L	SIMULATION LAB	20	38	2
16HP5A0325	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
16HP5A0326	RT41031	AUTOMOBILE ENGINEERING	21	32	3
16HP5A0326	RT41032	CAD / CAM	12	28	3
16HP5A0326	RT41033	FINITE ELEMENT METHODS	17	33	3
16HP5A0326	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	38	3
16HP5A0326	RT41036	NANO TECHNOLOGY	17	31	3
16HP5A0326	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	22	40	3
16HP5A0326	RT4103L	SIMULATION LAB	19	29	2
16HP5A0326	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
16HP5A0327	RT41031	AUTOMOBILE ENGINEERING	25	70	3
16HP5A0327	RT41032	CAD / CAM	17	55	3
16HP5A0327	RT41033	FINITE ELEMENT METHODS	20	16	0
16HP5A0327	RT41034	UNCONVENTIONAL MACHINING PROCESSES	28	48	3
16HP5A0327	RT41036	NANO TECHNOLOGY	20	50	3
16HP5A0327	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	24	51	3
16HP5A0327	RT4103L	SIMULATION LAB	23	43	2
16HP5A0327	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
16HP5A0328	RT41031	AUTOMOBILE ENGINEERING	22	31	3
16HP5A0328	RT41032	CAD / CAM	16	37	3
16HP5A0328	RT41033	FINITE ELEMENT METHODS	20	31	3
16HP5A0328	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	43	3
16HP5A0328	RT41036	NANO TECHNOLOGY	19	50	3
16HP5A0328	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	21	30	3
16HP5A0328	RT4103L	SIMULATION LAB	19	33	2

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0328	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
16HP5A0329	RT41031	AUTOMOBILE ENGINEERING	25	54	3
16HP5A0329	RT41032	CAD / CAM	22	42	3
16HP5A0329	RT41033	FINITE ELEMENT METHODS	21	24	3
16HP5A0329	RT41034	UNCONVENTIONAL MACHINING PROCESSES	27	40	3
16HP5A0329	RT41036	NANO TECHNOLOGY	25	55	3
16HP5A0329	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	29	30	3
16HP5A0329	RT4103L	SIMULATION LAB	24	44	2
16HP5A0329	RT4103M	DESIGN FABRICATION PROJECT	28	0	1
16HP5A0331	RT41031	AUTOMOBILE ENGINEERING	18	46	3
16HP5A0331	RT41032	CAD / CAM	13	28	3
16HP5A0331	RT41033	FINITE ELEMENT METHODS	20	41	3
16HP5A0331	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	39	3
16HP5A0331	RT41036	NANO TECHNOLOGY	21	37	3
16HP5A0331	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	18	36	3
16HP5A0331	RT4103L	SIMULATION LAB	21	33	2
16HP5A0331	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
16HP5A0332	RT41031	AUTOMOBILE ENGINEERING	24	44	3
16HP5A0332	RT41032	CAD / CAM	17	44	3
16HP5A0332	RT41033	FINITE ELEMENT METHODS	21	7	0
16HP5A0332	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	33	3
16HP5A0332	RT41036	NANO TECHNOLOGY	22	33	3
16HP5A0332	RT4103A	INDUSTRIAL HYDRAULICS AND PNEUMATICS	25	30	3
16HP5A0332	RT4103L	SIMULATION LAB	20	33	2
16HP5A0332	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
16HP5A0401	RT41041	VLSI DESIGN	21	52	3
16HP5A0401	RT41042	COMPUTER NETWORKS	20	37	3
16HP5A0401	RT41043	DIGITAL IMAGE PROCESSING	26	31	3
16HP5A0401	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	45	3
16HP5A0401	RT41048	RADAR SYSTEMS	22	39	3
16HP5A0401	RT4104A	OPTICAL COMMUNICATION	24	37	3
16HP5A0401	RT4104L	V L S I LAB	25	49	2
16HP5A0401	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
16HP5A0402	RT41041	VLSI DESIGN	17	40	3
16HP5A0402	RT41042	COMPUTER NETWORKS	18	29	3
16HP5A0402	RT41043	DIGITAL IMAGE PROCESSING	25	16	0
16HP5A0402	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	27	3
16HP5A0402	RT41048	RADAR SYSTEMS	26	33	3
16HP5A0402	RT4104A	OPTICAL COMMUNICATION	21	14	0
16HP5A0402	RT4104L	V L S I LAB	24	40	2
16HP5A0402	RT4104M	MICROWAVE ENGINEERING LAB	24	44	2
16HP5A0403	RT41041	VLSI DESIGN	20	51	3
16HP5A0403	RT41042	COMPUTER NETWORKS	24	51	3
16HP5A0403	RT41043	DIGITAL IMAGE PROCESSING	21	33	3
16HP5A0403	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	55	3
16HP5A0403	RT41048	RADAR SYSTEMS	22	62	3
16HP5A0403	RT4104A	OPTICAL COMMUNICATION	20	37	3
16HP5A0403	RT4104L	V L S I LAB	22	45	2
16HP5A0403	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
16HP5A0404	RT41041	VLSI DESIGN	20	30	3

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0404	RT41042	COMPUTER NETWORKS	21	33	3
16HP5A0404	RT41043	DIGITAL IMAGE PROCESSING	19	24	3
16HP5A0404	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	11	32	3
16HP5A0404	RT41048	RADAR SYSTEMS	19	41	3
16HP5A0404	RT4104A	OPTICAL COMMUNICATION	17	24	3
16HP5A0404	RT4104L	V L S I LAB	9	-1	0
16HP5A0404	RT4104M	MICROWAVE ENGINEERING LAB	22	43	2
16HP5A0405	RT41041	VLSI DESIGN	20	44	3
16HP5A0405	RT41042	COMPUTER NETWORKS	22	35	3
16HP5A0405	RT41043	DIGITAL IMAGE PROCESSING	20	29	3
16HP5A0405	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	35	3
16HP5A0405	RT41048	RADAR SYSTEMS	21	41	3
16HP5A0405	RT4104A	OPTICAL COMMUNICATION	21	28	3
16HP5A0405	RT4104L	V L S I LAB	21	37	2
16HP5A0405	RT4104M	MICROWAVE ENGINEERING LAB	24	45	2
16HP5A0406	RT41041	VLSI DESIGN	17	48	3
16HP5A0406	RT41042	COMPUTER NETWORKS	23	30	3
16HP5A0406	RT41043	DIGITAL IMAGE PROCESSING	26	33	3
16HP5A0406	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	26	3
16HP5A0406	RT41048	RADAR SYSTEMS	22	51	3
16HP5A0406	RT4104A	OPTICAL COMMUNICATION	23	40	3
16HP5A0406	RT4104L	V L S I LAB	22	45	2
16HP5A0406	RT4104M	MICROWAVE ENGINEERING LAB	24	45	2
16HP5A0407	RT41041	VLSI DESIGN	18	34	3
16HP5A0407	RT41042	COMPUTER NETWORKS	26	44	3
16HP5A0407	RT41043	DIGITAL IMAGE PROCESSING	19	34	3
16HP5A0407	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	30	3
16HP5A0407	RT41048	RADAR SYSTEMS	23	54	3
16HP5A0407	RT4104A	OPTICAL COMMUNICATION	23	29	3
16HP5A0407	RT4104L	V L S I LAB	22	41	2
16HP5A0407	RT4104M	MICROWAVE ENGINEERING LAB	24	41	2
16HP5A0408	RT41041	VLSI DESIGN	22	43	3
16HP5A0408	RT41042	COMPUTER NETWORKS	20	43	3
16HP5A0408	RT41043	DIGITAL IMAGE PROCESSING	20	47	3
16HP5A0408	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	38	3
16HP5A0408	RT41048	RADAR SYSTEMS	23	47	3
16HP5A0408	RT4104A	OPTICAL COMMUNICATION	25	24	3
16HP5A0408	RT4104L	V L S I LAB	22	46	2
16HP5A0408	RT4104M	MICROWAVE ENGINEERING LAB	24	44	2
16HP5A0409	RT41041	VLSI DESIGN	21	60	3
16HP5A0409	RT41042	COMPUTER NETWORKS	23	43	3
16HP5A0409	RT41043	DIGITAL IMAGE PROCESSING	19	33	3
16HP5A0409	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	53	3
16HP5A0409	RT41048	RADAR SYSTEMS	21	59	3
16HP5A0409	RT4104A	OPTICAL COMMUNICATION	25	33	3
16HP5A0409	RT4104L	V L S I LAB	21	46	2
16HP5A0409	RT4104M	MICROWAVE ENGINEERING LAB	24	45	2
16HP5A0411	RT41041	VLSI DESIGN	20	46	3
16HP5A0411	RT41042	COMPUTER NETWORKS	23	37	3
16HP5A0411	RT41043	DIGITAL IMAGE PROCESSING	19	28	3

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0411	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	30	3
16HP5A0411	RT41048	RADAR SYSTEMS	21	51	3
16HP5A0411	RT4104A	OPTICAL COMMUNICATION	23	48	3
16HP5A0411	RT4104L	V L S I LAB	22	48	2
16HP5A0411	RT4104M	MICROWAVE ENGINEERING LAB	24	44	2
16HP5A0412	RT41041	VLSI DESIGN	24	44	3
16HP5A0412	RT41042	COMPUTER NETWORKS	22	33	3
16HP5A0412	RT41043	DIGITAL IMAGE PROCESSING	23	33	3
16HP5A0412	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	48	3
16HP5A0412	RT41048	RADAR SYSTEMS	20	54	3
16HP5A0412	RT4104A	OPTICAL COMMUNICATION	26	38	3
16HP5A0412	RT4104L	V L S I LAB	21	41	2
16HP5A0412	RT4104M	MICROWAVE ENGINEERING LAB	22	46	2
16HP5A0413	RT41041	VLSI DESIGN	22	47	3
16HP5A0413	RT41042	COMPUTER NETWORKS	18	35	3
16HP5A0413	RT41043	DIGITAL IMAGE PROCESSING	19	35	3
16HP5A0413	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	39	3
16HP5A0413	RT41048	RADAR SYSTEMS	21	55	3
16HP5A0413	RT4104A	OPTICAL COMMUNICATION	19	11	0
16HP5A0413	RT4104L	V L S I LAB	22	35	2
16HP5A0413	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
16HP5A0414	RT41041	VLSI DESIGN	24	60	3
16HP5A0414	RT41042	COMPUTER NETWORKS	22	39	3
16HP5A0414	RT41043	DIGITAL IMAGE PROCESSING	28	37	3
16HP5A0414	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	41	3
16HP5A0414	RT41048	RADAR SYSTEMS	26	54	3
16HP5A0414	RT4104A	OPTICAL COMMUNICATION	26	49	3
16HP5A0414	RT4104L	V L S I LAB	22	48	2
16HP5A0414	RT4104M	MICROWAVE ENGINEERING LAB	24	44	2
16HP5A0415	RT41041	VLSI DESIGN	21	39	3
16HP5A0415	RT41042	COMPUTER NETWORKS	18	33	3
16HP5A0415	RT41043	DIGITAL IMAGE PROCESSING	23	28	3
16HP5A0415	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	33	3
16HP5A0415	RT41048	RADAR SYSTEMS	24	44	3
16HP5A0415	RT4104A	OPTICAL COMMUNICATION	24	31	3
16HP5A0415	RT4104L	V L S I LAB	22	40	2
16HP5A0415	RT4104M	MICROWAVE ENGINEERING LAB	18	45	2
16HP5A0416	RT41041	VLSI DESIGN	20	45	3
16HP5A0416	RT41042	COMPUTER NETWORKS	20	52	3
16HP5A0416	RT41043	DIGITAL IMAGE PROCESSING	23	42	3
16HP5A0416	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	28	66	3
16HP5A0416	RT41048	RADAR SYSTEMS	23	60	3
16HP5A0416	RT4104A	OPTICAL COMMUNICATION	19	37	3
16HP5A0416	RT4104L	VLSILAB	20	39	2
16HP5A0416	RT4104M	MICROWAVE ENGINEERING LAB	23	44	2
16HP5A0417	RT41041	VLSI DESIGN	25	52	3
16HP5A0417	RT41042	COMPUTER NETWORKS	22	37	3
16HP5A0417	RT41043	DIGITAL IMAGE PROCESSING	24	43	3
16HP5A0417	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	37	3
16HP5A0417	RT41048	RADAR SYSTEMS	24	44	3

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0417	RT4104A	OPTICAL COMMUNICATION	25	40	3
16HP5A0417	RT4104L	V L S I LAB	23	48	2
16HP5A0417	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
16HP5A0418	RT41041	VLSI DESIGN	19	55	3
16HP5A0418	RT41042	COMPUTER NETWORKS	22	43	3
16HP5A0418	RT41043	DIGITAL IMAGE PROCESSING	20	32	3
16HP5A0418	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	37	3
16HP5A0418	RT41048	RADAR SYSTEMS	25	53	3
16HP5A0418	RT4104A	OPTICAL COMMUNICATION	25	31	3
16HP5A0418	RT4104L	V L S I LAB	18	40	2
16HP5A0418	RT4104M	MICROWAVE ENGINEERING LAB	23	44	2
16HP5A0419	RT41041	VLSI DESIGN	20	44	3
16HP5A0419	RT41042	COMPUTER NETWORKS	24	38	3
16HP5A0419	RT41043	DIGITAL IMAGE PROCESSING	21	25	3
16HP5A0419	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	30	3
16HP5A0419	RT41048	RADAR SYSTEMS	22	41	3
16HP5A0419	RT4104A	OPTICAL COMMUNICATION	22	35	3
16HP5A0419	RT4104L	V L S I LAB	17	33	2
16HP5A0419	RT4104M	MICROWAVE ENGINEERING LAB	18	44	2
16HP5A0420	RT41041	VLSI DESIGN	20	42	3
16HP5A0420	RT41042	COMPUTER NETWORKS	22	38	3
16HP5A0420	RT41043	DIGITAL IMAGE PROCESSING	25	47	3
16HP5A0420	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	15	32	3
16HP5A0420	RT41048	RADAR SYSTEMS	14	58	3
16HP5A0420	RT4104A	OPTICAL COMMUNICATION	18	38	3
16HP5A0420	RT4104L	V L S I LAB	14	44	2
16HP5A0420	RT4104M	MICROWAVE ENGINEERING LAB	19	44	2
16HP5A0421	RT41041	VLSI DESIGN	21	27	3
16HP5A0421	RT41042	COMPUTER NETWORKS	13	27	3
16HP5A0421	RT41043	DIGITAL IMAGE PROCESSING	15	10	0
16HP5A0421	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	30	3
16HP5A0421	RT41048	RADAR SYSTEMS	18	32	3
16HP5A0421	RT4104A	OPTICAL COMMUNICATION	19	24	3
16HP5A0421	RT4104L	V L S I LAB	19	44	2
16HP5A0421	RT4104M	MICROWAVE ENGINEERING LAB	19	44	2
16HP5A0423	RT41041	VLSI DESIGN	15	43	3
16HP5A0423	RT41042	COMPUTER NETWORKS	16	26	3
16HP5A0423	RT41043	DIGITAL IMAGE PROCESSING	15	31	3
16HP5A0423	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	12	34	3
16HP5A0423	RT41048	RADAR SYSTEMS	17	40	3
16HP5A0423	RT4104A	OPTICAL COMMUNICATION	19	28	3
16HP5A0423	RT4104L	V L S I LAB	7	24	2
16HP5A0423	RT4104M	MICROWAVE ENGINEERING LAB	7	30	2
16HP5A0424	RT41041	VLSI DESIGN	22	44	3
16HP5A0424	RT41042	COMPUTER NETWORKS	13	37	3
16HP5A0424	RT41043	DIGITAL IMAGE PROCESSING	16	12	0
16HP5A0424	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	28	3
16HP5A0424	RT41048	RADAR SYSTEMS	21	41	3
16HP5A0424	RT4104A	OPTICAL COMMUNICATION	19	28	3
16HP5A0424	RT4104L	V L S I LAB	19	38	2
10HP5AU424	K14104L	V L 3 I LAD	19	30	2

			Internal	External	Credits
16HP5A0425 R	RT4104M	MICROWAVE ENGINEERING LAB	19	44	2
	RT41041	VLSI DESIGN	25	53	3
16HP5A0425 R	RT41042	COMPUTER NETWORKS	25	36	3
16HP5A0425 R	RT41043	DIGITAL IMAGE PROCESSING	22	51	3
16HP5A0425 R	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	28	66	3
16HP5A0425 R	RT41048	RADAR SYSTEMS	24	60	3
16HP5A0425 R	RT4104A	OPTICAL COMMUNICATION	23	43	3
16HP5A0425 R	RT4104L	V L S I LAB	24	49	2
16HP5A0425 R	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
16HP5A0426 R	RT41041	VLSI DESIGN	24	34	3
16HP5A0426 R	RT41042	COMPUTER NETWORKS	22	35	3
16HP5A0426 R	RT41043	DIGITAL IMAGE PROCESSING	26	30	3
16HP5A0426 R	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	29	34	3
16HP5A0426 R	RT41048	RADAR SYSTEMS	24	40	3
16HP5A0426 R	RT4104A	OPTICAL COMMUNICATION	24	47	3
16HP5A0426 R	RT4104L	V L S I LAB	22	46	2
16HP5A0426 R	RT4104M	MICROWAVE ENGINEERING LAB	23	44	2
16HP5A0427 R	RT41041	VLSI DESIGN	17	48	3
16HP5A0427 R	RT41042	COMPUTER NETWORKS	23	26	3
16HP5A0427 R	RT41043	DIGITAL IMAGE PROCESSING	16	32	3
16HP5A0427 R	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	29	3
16HP5A0427 R	RT41048	RADAR SYSTEMS	20	54	3
16HP5A0427 R	RT4104A	OPTICAL COMMUNICATION	22	30	3
16HP5A0427 R	RT4104L	V L S I LAB	22	46	2
16HP5A0427 R	RT4104M	MICROWAVE ENGINEERING LAB	21	44	2
16HP5A0428 R	RT41041	VLSI DESIGN	23	57	3
16HP5A0428 R	RT41042	COMPUTER NETWORKS	22	47	3
16HP5A0428 R	RT41043	DIGITAL IMAGE PROCESSING	23	32	3
16HP5A0428 R	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	40	3
16HP5A0428 R	RT41048	RADAR SYSTEMS	24	49	3
16HP5A0428 R	RT4104A	OPTICAL COMMUNICATION	26	31	3
16HP5A0428 R	RT4104L	V L S I LAB	20	44	2
16HP5A0428 R	RT4104M	MICROWAVE ENGINEERING LAB	22	41	2
16HP5A0429 R	RT41041	VLSI DESIGN	17	31	3
16HP5A0429 R	RT41042	COMPUTER NETWORKS	13	27	3
16HP5A0429 R	RT41043	DIGITAL IMAGE PROCESSING	10	31	3
16HP5A0429 R	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	12	0	0
16HP5A0429 R	RT41048	RADAR SYSTEMS	17	28	3
16HP5A0429 R	RT4104A	OPTICAL COMMUNICATION	15	29	3
16HP5A0429 R	RT4104L	V L S I LAB	19	35	2
16HP5A0429 R	RT4104M	MICROWAVE ENGINEERING LAB	18	36	2
16HP5A0430 R	RT41041	VLSI DESIGN	25	38	3
16HP5A0430 R	RT41042	COMPUTER NETWORKS	23	40	3
16HP5A0430 R	RT41043	DIGITAL IMAGE PROCESSING	21	31	3
16HP5A0430 R	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	27	42	3
16HP5A0430 R	RT41048	RADAR SYSTEMS	23	39	3
16HP5A0430 R	RT4104A	OPTICAL COMMUNICATION	23	32	3
16HP5A0430 R	RT4104L	V L S I LAB	24	44	2
16HP5A0430 R	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
16HP5A0431 R	RT41041	VLSI DESIGN	22	43	3

			Internal	External	Credits
16HP5A0431 F	RT41042	COMPUTER NETWORKS	25	31	3
	RT41043	DIGITAL IMAGE PROCESSING	17	47	3
16HP5A0431 F	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	49	3
16HP5A0431 F	RT41048	RADAR SYSTEMS	19	47	3
16HP5A0431 F	RT4104A	OPTICAL COMMUNICATION	24	30	3
16HP5A0431 F	RT4104L	V L S I LAB	17	33	2
16HP5A0431 F	RT4104M	MICROWAVE ENGINEERING LAB	22	42	2
16HP5A0501 F	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	9	0
16HP5A0501 F	RT41052	UML AND DESIGN PATTERNS	18	34	3
16HP5A0501 F	RT41053	MOBILE COMPUTING	20	32	3
16HP5A0501 F	RT41054	SOFTWARE TESTING METHODOLOGIES	22	25	3
16HP5A0501 F	RT4105B	HADOOP AND BIG DATA	21	26	3
16HP5A0501 F	RT4105L	UML AND DESIGN PATTERNS LAB	22	44	2
16HP5A0501 F	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	46	2
16HP5A0501 F	RT4105N	SOFTWARE TESTING LAB	23	48	2
16HP5A0501 F	RT4105O	HADOOP AND BIGDATA LAB	21	41	2
16HP5A0502 F	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	29	3
16HP5A0502 F	RT41052	UML AND DESIGN PATTERNS	23	55	3
16HP5A0502 F	RT41053	MOBILE COMPUTING	27	50	3
16HP5A0502 F	RT41054	SOFTWARE TESTING METHODOLOGIES	22	28	3
16HP5A0502 F	RT4105B	HADOOP AND BIG DATA	26	41	3
16HP5A0502 F	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
16HP5A0502 F	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
16HP5A0502 F	RT4105N	SOFTWARE TESTING LAB	24	49	2
16HP5A0502 F	RT4105O	HADOOP AND BIGDATA LAB	23	44	2
16HP5A0503 F	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	24	3
16HP5A0503 F	RT41052	UML AND DESIGN PATTERNS	23	44	3
16HP5A0503 F	RT41053	MOBILE COMPUTING	26	49	3
16HP5A0503 F	RT41054	SOFTWARE TESTING METHODOLOGIES	24	38	3
16HP5A0503 F	RT4105B	HADOOP AND BIG DATA	25	45	3
16HP5A0503 F	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
16HP5A0503 F	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
16HP5A0503 F	RT4105N	SOFTWARE TESTING LAB	23	48	2
16HP5A0503 F	RT4105O	HADOOP AND BIGDATA LAB	24	44	2
16HP5A0504 F	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	54	3
16HP5A0504 F	RT41052	UML AND DESIGN PATTERNS	27	38	3
16HP5A0504 F	RT41053	MOBILE COMPUTING	27	39	3
16HP5A0504 F	RT41054	SOFTWARE TESTING METHODOLOGIES	26	47	3
16HP5A0504 F	RT4105B	HADOOP AND BIG DATA	24	51	3
16HP5A0504 F	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
16HP5A0504 F	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
16HP5A0504 F	RT4105N	SOFTWARE TESTING LAB	24	49	2
16HP5A0504 F	RT4105O	HADOOP AND BIGDATA LAB	25	44	2
16HP5A0505 F	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	11	0
	RT41052	UML AND DESIGN PATTERNS	21	34	3
16HP5A0505 F	RT41053	MOBILE COMPUTING	23	37	3
16HP5A0505 F	RT41054	SOFTWARE TESTING METHODOLOGIES	22	31	3
	RT4105B	HADOOP AND BIG DATA	19	39	3
	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
16HP5A0505 F	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	48	2

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0505	RT4105N	SOFTWARE TESTING LAB	23	46	2
16HP5A0505	RT4105O	HADOOP AND BIGDATA LAB	20	43	2
16HP5A0506	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	24	3
16HP5A0506	RT41052	UML AND DESIGN PATTERNS	20	26	3
16HP5A0506	RT41053	MOBILE COMPUTING	23	35	3
16HP5A0506	RT41054	SOFTWARE TESTING METHODOLOGIES	23	34	3
16HP5A0506	RT4105B	HADOOP AND BIG DATA	21	41	3
16HP5A0506	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
16HP5A0506	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
16HP5A0506	RT4105N	SOFTWARE TESTING LAB	24	47	2
16HP5A0506	RT4105O	HADOOP AND BIGDATA LAB	24	46	2
16HP5A0507	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	32	3
16HP5A0507	RT41052	UML AND DESIGN PATTERNS	24	40	3
16HP5A0507	RT41053	MOBILE COMPUTING	24	31	3
16HP5A0507	RT41054	SOFTWARE TESTING METHODOLOGIES	23	49	3
16HP5A0507	RT4105B	HADOOP AND BIG DATA	22	41	3
16HP5A0507	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
16HP5A0507	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	40	2
16HP5A0507	RT4105N	SOFTWARE TESTING LAB	24	48	2
16HP5A0507	RT4105O	HADOOP AND BIGDATA LAB	22	48	2
16HP5A0508	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	37	3
16HP5A0508	RT41052	UML AND DESIGN PATTERNS	21	28	3
16HP5A0508	RT41053	MOBILE COMPUTING	27	37	3
16HP5A0508	RT41054	SOFTWARE TESTING METHODOLOGIES	22	35	3
16HP5A0508	RT4105B	HADOOP AND BIG DATA	20	41	3
16HP5A0508	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
16HP5A0508	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	48	2
16HP5A0508	RT4105N	SOFTWARE TESTING LAB	25	49	2
16HP5A0508	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
16HP5A0509	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	40	3
16HP5A0509	RT41052	UML AND DESIGN PATTERNS	24	47	3
16HP5A0509	RT41053	MOBILE COMPUTING	25	37	3
16HP5A0509	RT41054	SOFTWARE TESTING METHODOLOGIES	23	38	3
16HP5A0509	RT4105B	HADOOP AND BIG DATA	22	46	3
16HP5A0509	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
16HP5A0509	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
16HP5A0509	RT4105N	SOFTWARE TESTING LAB	24	48	2
16HP5A0509	RT4105O	HADOOP AND BIGDATA LAB	24	46	2
16HP5A0510	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	24	3
16HP5A0510	RT41052	UML AND DESIGN PATTERNS	24	29	3
16HP5A0510	RT41053	MOBILE COMPUTING	25	29	3
16HP5A0510	RT41054	SOFTWARE TESTING METHODOLOGIES	22	42	3
16HP5A0510	RT4105B	HADOOP AND BIG DATA	19	42	3
16HP5A0510	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
16HP5A0510	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	49	2
16HP5A0510	RT4105N	SOFTWARE TESTING LAB	25	50	2
16HP5A0510	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
16HP5A0511	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	18	0
16HP5A0511	RT41052	UML AND DESIGN PATTERNS	22	24	3
16HP5A0511	RT41053	MOBILE COMPUTING	23	30	3

Htno	Subcode	Subname	Internal	External	Credits
16HP5A0511	RT41054	SOFTWARE TESTING METHODOLOGIES	19	32	3
16HP5A0511	RT4105B	HADOOP AND BIG DATA	15	35	3
16HP5A0511	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
16HP5A0511	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	40	2
16HP5A0511	RT4105N	SOFTWARE TESTING LAB	23	47	2
16HP5A0511	RT4105O	HADOOP AND BIGDATA LAB	21	43	2
16HP5A0512	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	25	3
16HP5A0512	RT41052	UML AND DESIGN PATTERNS	21	24	3
16HP5A0512	RT41053	MOBILE COMPUTING	21	27	3
16HP5A0512	RT41054	SOFTWARE TESTING METHODOLOGIES	18	32	3
16HP5A0512	RT4105B	HADOOP AND BIG DATA	20	18	0
16HP5A0512	RT4105L	UML AND DESIGN PATTERNS LAB	22	45	2
16HP5A0512	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	38	2
16HP5A0512	RT4105N	SOFTWARE TESTING LAB	22	47	2
16HP5A0512	RT4105O	HADOOP AND BIGDATA LAB	21	41	2
16HP5A1201	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	3	0
16HP5A1201	RT41052	UML AND DESIGN PATTERNS	22	31	3
16HP5A1201	RT41053	MOBILE COMPUTING	24	35	3
16HP5A1201	RT41058	MULTIMEDIA COMPUTING	22	29	3
16HP5A1201	RT4105B	HADOOP AND BIG DATA	18	38	3
16HP5A1201	RT4112L	UML AND DESIGN PATTERNS LAB	22	44	2
16HP5A1201	RT4112M	MOBILE APPLICATION DEVELOPMENT LAB	19	32	2
16HP5A1201	RT4112N	SOFTWARE ENGINEERING LAB	22	43	2
16HP5A1201	RT4112O	HADOOP AND BIGDATA LAB	17	30	2

<sup>\*\*</sup>NOTE:1 [Last Date for Apply Recounting/Revaluation/Challenge By Revaluation: 12-12-2018]

Date:03-12-2018

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

N. Hoham Kas Controller of Examinations

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

<sup>\*\*</sup> Note:\*\*