



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Results for IV B.Tech I semester (R16) Regular/Supplementary Examinations Nov-2019

College name: JNTU KAKINADA UNIVERSITY COLLEGE OF ENGINEERING, VIZIANAGARAM:VV

Htno	Subcode	Subname	Grade	Credits
15VV1A0210	R1641021	UTILIZATION OF ELECTRICAL ENERGY	C	3
15VV1A0210	R1641022	LINEAR IC APPLICATIONS	D	3
15VV1A0210	R1641023	POWER SYSTEM OPERATION & CONTROL	D	3
15VV1A0210	R1641024	SWITCHGEAR AND PROTECTION	C	3
15VV1A0210	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
15VV1A0210	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	B	2
15VV1A0210	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	D	3
15VV1A0210	R164102G	SPECIAL ELECTRICAL MACHINES	D	3
15VV1A0241	P1631022	RENEWABLE ENERGY SOURCES AND SYSTEMS	A	3
15VV1A0241	P1632027	MICRO PROCESS AND MICRO CONTROLLER LAB	S	2
15VV1A0241	P1641028	AI TECHNIQUES	C	3
15VV1A0241	P164102D	INSTRUMENTATION	C	3
15VV1A0241	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
15VV1A0241	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
15VV1A0241	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
15VV1A0241	R164102G	SPECIAL ELECTRICAL MACHINES	C	3
15VV1A0245	P1631022	RENEWABLE ENERGY SOURCES AND SYSTEMS	D	3
15VV1A0245	P1632027	MICRO PROCESS AND MICRO CONTROLLER LAB	B	2
15VV1A0245	P1641028	AI TECHNIQUES	F	0
15VV1A0245	P164102D	INSTRUMENTATION	D	3
15VV1A0245	R1641023	POWER SYSTEM OPERATION & CONTROL	F	0
15VV1A0245	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
15VV1A0245	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	B	2
15VV1A0245	R164102G	SPECIAL ELECTRICAL MACHINES	F	0
15VV1A1201	P1622122	E-COMMERCE	D	3
15VV1A1201	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	F	0
15VV1A1201	R164105A	BIG DATA ANALYTICS	F	0
15VV1A1201	R164105C	MOBILE COMPUTING	F	0
15VV1A1201	R164105E	SOFTWARE PROJECT MANAGEMENT	F	0
15VV1A1201	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGENCE	S	3
15VV1A1201	R1641127	MOBILE COMPUTING LAB	S	2
15VV1A1201	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
15VV5A0568	P1621056	COMPUTER GRAPHICS	B	3
15VV5A0568	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
15VV5A0568	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
15VV5A0568	R1641053	WEB TECHNOLOGIES	B	3
15VV5A0568	R1641057	SOFTWARE ARCHITECTURE & DESIGN PATTERNS LAB	O	2
15VV5A0568	R1641058	WEB TECHNOLOGIES LAB	O	2
15VV5A0568	R164105A	BIG DATA ANALYTICS	B	3
15VV5A0568	R164105D	CLOUD COMPUTING	C	3
16VV1A0101	R1641011	ENVIRONMENTAL ENGINEERING - II	B	3
16VV1A0101	R1641012	WATER RESOURCE ENGINEERING - II	A	3
16VV1A0101	R1641013	GEOTECHNICAL ENGINEERING - II	A	3
16VV1A0101	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0101	R1641017	GIS & CAD LAB	S	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0101	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0101	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0101	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0102	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0102	R1641012	WATER RESOURCE ENGINEERING - II	S	3
16VV1A0102	R1641013	GEOTECHNICAL ENGINEERING - II	A	3
16VV1A0102	R1641014	REMOTE SENSING & GIS APPLICATIONS	S	3
16VV1A0102	R1641017	GIS & CAD LAB	S	2
16VV1A0102	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0102	R164101B	GROUND IMPROVEMENT TECHNIQUES	A	3
16VV1A0102	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	A	3
16VV1A0103	R1641011	ENVIRONMENTAL ENGINEERING - II	S	3
16VV1A0103	R1641012	WATER RESOURCE ENGINEERING - II	B	3
16VV1A0103	R1641013	GEOTECHNICAL ENGINEERING - II	S	3
16VV1A0103	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0103	R1641017	GIS & CAD LAB	S	2
16VV1A0103	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0103	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0103	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	A	3
16VV1A0104	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0104	R1641012	WATER RESOURCE ENGINEERING - II	C	3
16VV1A0104	R1641013	GEOTECHNICAL ENGINEERING - II	B	3
16VV1A0104	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0104	R1641017	GIS & CAD LAB	S	2
16VV1A0104	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0104	R164101B	GROUND IMPROVEMENT TECHNIQUES	C	3
16VV1A0104	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	A	3
16VV1A0105	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0105	R1641012	WATER RESOURCE ENGINEERING - II	A	3
16VV1A0105	R1641013	GEOTECHNICAL ENGINEERING - II	A	3
16VV1A0105	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0105	R1641017	GIS & CAD LAB	S	2
16VV1A0105	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0105	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0105	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	A	3
16VV1A0106	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0106	R1641012	WATER RESOURCE ENGINEERING - II	A	3
16VV1A0106	R1641013	GEOTECHNICAL ENGINEERING - II	A	3
16VV1A0106	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0106	R1641017	GIS & CAD LAB	S	2
16VV1A0106	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0106	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0106	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0107	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0107	R1641012	WATER RESOURCE ENGINEERING - II	A	3
16VV1A0107	R1641013	GEOTECHNICAL ENGINEERING - II	A	3
16VV1A0107	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0107	R1641017	GIS & CAD LAB	S	2
16VV1A0107	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0107	R164101B	GROUND IMPROVEMENT TECHNIQUES	C	3
16VV1A0107	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0108	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0108	R1641012	WATER RESOURCE ENGINEERING - II	S	3
16VV1A0108	R1641013	GEOTECHNICAL ENGINEERING - II	S	3
16VV1A0108	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0108	R1641017	GIS & CAD LAB	S	2
16VV1A0108	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0108	R164101B	GROUND IMPROVEMENT TECHNIQUES	A	3
16VV1A0108	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0109	R1641011	ENVIRONMENTAL ENGINEERING - II	S	3
16VV1A0109	R1641012	WATER RESOURCE ENGINEERING - II	B	3
16VV1A0109	R1641013	GEOTECHNICAL ENGINEERING - II	B	3
16VV1A0109	R1641014	REMOTE SENSING & GIS APPLICATIONS	S	3
16VV1A0109	R1641017	GIS & CAD LAB	S	2
16VV1A0109	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0109	R164101B	GROUND IMPROVEMENT TECHNIQUES	C	3
16VV1A0109	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	B	3
16VV1A0110	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0110	R1641012	WATER RESOURCE ENGINEERING - II	A	3
16VV1A0110	R1641013	GEOTECHNICAL ENGINEERING - II	A	3
16VV1A0110	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0110	R1641017	GIS & CAD LAB	S	2
16VV1A0110	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0110	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0110	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0111	R1641011	ENVIRONMENTAL ENGINEERING - II	S	3
16VV1A0111	R1641012	WATER RESOURCE ENGINEERING - II	S	3
16VV1A0111	R1641013	GEOTECHNICAL ENGINEERING - II	S	3
16VV1A0111	R1641014	REMOTE SENSING & GIS APPLICATIONS	S	3
16VV1A0111	R1641017	GIS & CAD LAB	S	2
16VV1A0111	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0111	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0111	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	O	3
16VV1A0112	R1641011	ENVIRONMENTAL ENGINEERING - II	B	3
16VV1A0112	R1641012	WATER RESOURCE ENGINEERING - II	A	3
16VV1A0112	R1641013	GEOTECHNICAL ENGINEERING - II	C	3
16VV1A0112	R1641014	REMOTE SENSING & GIS APPLICATIONS	S	3
16VV1A0112	R1641017	GIS & CAD LAB	S	2
16VV1A0112	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0112	R164101B	GROUND IMPROVEMENT TECHNIQUES	C	3
16VV1A0112	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	A	3
16VV1A0113	R1641011	ENVIRONMENTAL ENGINEERING - II	S	3
16VV1A0113	R1641012	WATER RESOURCE ENGINEERING - II	S	3
16VV1A0113	R1641013	GEOTECHNICAL ENGINEERING - II	A	3
16VV1A0113	R1641014	REMOTE SENSING & GIS APPLICATIONS	S	3
16VV1A0113	R1641017	GIS & CAD LAB	S	2
16VV1A0113	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0113	R164101B	GROUND IMPROVEMENT TECHNIQUES	A	3
16VV1A0113	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0114	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0114	R1641012	WATER RESOURCE ENGINEERING - II	A	3
16VV1A0114	R1641013	GEOTECHNICAL ENGINEERING - II	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0114	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0114	R1641017	GIS & CAD LAB	S	2
16VV1A0114	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0114	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0114	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0115	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0115	R1641012	WATER RESOURCE ENGINEERING - II	A	3
16VV1A0115	R1641013	GEOTECHNICAL ENGINEERING - II	A	3
16VV1A0115	R1641014	REMOTE SENSING & GIS APPLICATIONS	S	3
16VV1A0115	R1641017	GIS & CAD LAB	S	2
16VV1A0115	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0115	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0115	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	A	3
16VV1A0117	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0117	R1641012	WATER RESOURCE ENGINEERING - II	A	3
16VV1A0117	R1641013	GEOTECHNICAL ENGINEERING - II	B	3
16VV1A0117	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0117	R1641017	GIS & CAD LAB	S	2
16VV1A0117	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0117	R164101B	GROUND IMPROVEMENT TECHNIQUES	C	3
16VV1A0117	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	A	3
16VV1A0118	R1641011	ENVIRONMENTAL ENGINEERING - II	O	3
16VV1A0118	R1641012	WATER RESOURCE ENGINEERING - II	S	3
16VV1A0118	R1641013	GEOTECHNICAL ENGINEERING - II	S	3
16VV1A0118	R1641014	REMOTE SENSING & GIS APPLICATIONS	S	3
16VV1A0118	R1641017	GIS & CAD LAB	S	2
16VV1A0118	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0118	R164101B	GROUND IMPROVEMENT TECHNIQUES	A	3
16VV1A0118	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0119	R1641011	ENVIRONMENTAL ENGINEERING - II	O	3
16VV1A0119	R1641012	WATER RESOURCE ENGINEERING - II	S	3
16VV1A0119	R1641013	GEOTECHNICAL ENGINEERING - II	O	3
16VV1A0119	R1641014	REMOTE SENSING & GIS APPLICATIONS	S	3
16VV1A0119	R1641017	GIS & CAD LAB	S	2
16VV1A0119	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0119	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0119	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0120	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0120	R1641012	WATER RESOURCE ENGINEERING - II	B	3
16VV1A0120	R1641013	GEOTECHNICAL ENGINEERING - II	A	3
16VV1A0120	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0120	R1641017	GIS & CAD LAB	S	2
16VV1A0120	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0120	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0120	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0121	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0121	R1641012	WATER RESOURCE ENGINEERING - II	S	3
16VV1A0121	R1641013	GEOTECHNICAL ENGINEERING - II	B	3
16VV1A0121	R1641014	REMOTE SENSING & GIS APPLICATIONS	S	3
16VV1A0121	R1641017	GIS & CAD LAB	S	2
16VV1A0121	R1641018	IRRIGATION DESIGN & DRAWING	O	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0121	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0121	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0122	R1641011	ENVIRONMENTAL ENGINEERING - II	B	3
16VV1A0122	R1641012	WATER RESOURCE ENGINEERING - II	B	3
16VV1A0122	R1641013	GEOTECHNICAL ENGINEERING - II	B	3
16VV1A0122	R1641014	REMOTE SENSING & GIS APPLICATIONS	B	3
16VV1A0122	R1641017	GIS & CAD LAB	S	2
16VV1A0122	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0122	R164101B	GROUND IMPROVEMENT TECHNIQUES	C	3
16VV1A0122	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	C	3
16VV1A0123	R1641011	ENVIRONMENTAL ENGINEERING - II	B	3
16VV1A0123	R1641012	WATER RESOURCE ENGINEERING - II	B	3
16VV1A0123	R1641013	GEOTECHNICAL ENGINEERING - II	A	3
16VV1A0123	R1641014	REMOTE SENSING & GIS APPLICATIONS	S	3
16VV1A0123	R1641017	GIS & CAD LAB	S	2
16VV1A0123	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0123	R164101B	GROUND IMPROVEMENT TECHNIQUES	C	3
16VV1A0123	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0124	R1641011	ENVIRONMENTAL ENGINEERING - II	S	3
16VV1A0124	R1641012	WATER RESOURCE ENGINEERING - II	S	3
16VV1A0124	R1641013	GEOTECHNICAL ENGINEERING - II	A	3
16VV1A0124	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0124	R1641017	GIS & CAD LAB	S	2
16VV1A0124	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0124	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0124	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0125	R1641011	ENVIRONMENTAL ENGINEERING - II	B	3
16VV1A0125	R1641012	WATER RESOURCE ENGINEERING - II	C	3
16VV1A0125	R1641013	GEOTECHNICAL ENGINEERING - II	C	3
16VV1A0125	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0125	R1641017	GIS & CAD LAB	S	2
16VV1A0125	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0125	R164101B	GROUND IMPROVEMENT TECHNIQUES	C	3
16VV1A0125	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	A	3
16VV1A0126	R1641011	ENVIRONMENTAL ENGINEERING - II	S	3
16VV1A0126	R1641012	WATER RESOURCE ENGINEERING - II	S	3
16VV1A0126	R1641013	GEOTECHNICAL ENGINEERING - II	S	3
16VV1A0126	R1641014	REMOTE SENSING & GIS APPLICATIONS	S	3
16VV1A0126	R1641017	GIS & CAD LAB	S	2
16VV1A0126	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0126	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0126	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0127	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0127	R1641012	WATER RESOURCE ENGINEERING - II	S	3
16VV1A0127	R1641013	GEOTECHNICAL ENGINEERING - II	S	3
16VV1A0127	R1641014	REMOTE SENSING & GIS APPLICATIONS	S	3
16VV1A0127	R1641017	GIS & CAD LAB	S	2
16VV1A0127	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0127	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0127	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0128	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3

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16VV1A0128	R1641012	WATER RESOURCE ENGINEERING - II	A	3
16VV1A0128	R1641013	GEOTECHNICAL ENGINEERING - II	D	3
16VV1A0128	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0128	R1641017	GIS & CAD LAB	S	2
16VV1A0128	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0128	R164101B	GROUND IMPROVEMENT TECHNIQUES	C	3
16VV1A0128	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	A	3
16VV1A0129	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
16VV1A0129	R1641012	WATER RESOURCE ENGINEERING - II	S	3
16VV1A0129	R1641013	GEOTECHNICAL ENGINEERING - II	S	3
16VV1A0129	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
16VV1A0129	R1641017	GIS & CAD LAB	S	2
16VV1A0129	R1641018	IRRIGATION DESIGN & DRAWING	O	2
16VV1A0129	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
16VV1A0129	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
16VV1A0201	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0201	R1641022	LINEAR IC APPLICATIONS	B	3
16VV1A0201	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0201	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0201	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0201	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
16VV1A0201	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
16VV1A0201	R164102G	SPECIAL ELECTRICAL MACHINES	C	3
16VV1A0202	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0202	R1641022	LINEAR IC APPLICATIONS	B	3
16VV1A0202	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0202	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0202	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0202	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
16VV1A0202	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
16VV1A0202	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0203	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0203	R1641022	LINEAR IC APPLICATIONS	C	3
16VV1A0203	R1641023	POWER SYSTEM OPERATION & CONTROL	S	3
16VV1A0203	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0203	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0203	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0203	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0203	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0204	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0204	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0204	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0204	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0204	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0204	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0204	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0204	R164102G	SPECIAL ELECTRICAL MACHINES	C	3
16VV1A0205	R1641021	UTILIZATION OF ELECTRICAL ENERGY	B	3
16VV1A0205	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0205	R1641023	POWER SYSTEM OPERATION & CONTROL	C	3
16VV1A0205	R1641024	SWITCHGEAR AND PROTECTION	D	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0205	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0205	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0205	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	D	3
16VV1A0205	R164102G	SPECIAL ELECTRICAL MACHINES	C	3
16VV1A0206	R1641021	UTILIZATION OF ELECTRICAL ENERGY	B	3
16VV1A0206	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0206	R1641023	POWER SYSTEM OPERATION & CONTROL	C	3
16VV1A0206	R1641024	SWITCHGEAR AND PROTECTION	D	3
16VV1A0206	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0206	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	B	2
16VV1A0206	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	D	3
16VV1A0206	R164102G	SPECIAL ELECTRICAL MACHINES	F	0
16VV1A0207	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0207	R1641022	LINEAR IC APPLICATIONS	A	3
16VV1A0207	R1641023	POWER SYSTEM OPERATION & CONTROL	S	3
16VV1A0207	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0207	R1641027	ELECTRICAL SIMULATION LABORATORY	O	2
16VV1A0207	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	O	2
16VV1A0207	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0207	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0208	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0208	R1641022	LINEAR IC APPLICATIONS	C	3
16VV1A0208	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0208	R1641024	SWITCHGEAR AND PROTECTION	C	3
16VV1A0208	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0208	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0208	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0208	R164102G	SPECIAL ELECTRICAL MACHINES	D	3
16VV1A0209	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0209	R1641022	LINEAR IC APPLICATIONS	A	3
16VV1A0209	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0209	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0209	R1641027	ELECTRICAL SIMULATION LABORATORY	O	2
16VV1A0209	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	O	2
16VV1A0209	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
16VV1A0209	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0210	R1641021	UTILIZATION OF ELECTRICAL ENERGY	B	3
16VV1A0210	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0210	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0210	R1641024	SWITCHGEAR AND PROTECTION	D	3
16VV1A0210	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0210	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	B	2
16VV1A0210	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0210	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0211	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0211	R1641022	LINEAR IC APPLICATIONS	B	3
16VV1A0211	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0211	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0211	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0211	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
16VV1A0211	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0211	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0212	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0212	R1641022	LINEAR IC APPLICATIONS	B	3
16VV1A0212	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0212	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0212	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0212	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0212	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
16VV1A0212	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0213	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0213	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0213	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0213	R1641024	SWITCHGEAR AND PROTECTION	D	3
16VV1A0213	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0213	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	B	2
16VV1A0213	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0213	R164102G	SPECIAL ELECTRICAL MACHINES	D	3
16VV1A0214	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0214	R1641022	LINEAR IC APPLICATIONS	A	3
16VV1A0214	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0214	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0214	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0214	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	O	2
16VV1A0214	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
16VV1A0214	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0215	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0215	R1641022	LINEAR IC APPLICATIONS	B	3
16VV1A0215	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0215	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0215	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0215	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
16VV1A0215	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
16VV1A0215	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0216	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0216	R1641022	LINEAR IC APPLICATIONS	B	3
16VV1A0216	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0216	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0216	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0216	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0216	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0216	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0217	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0217	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0217	R1641023	POWER SYSTEM OPERATION & CONTROL	C	3
16VV1A0217	R1641024	SWITCHGEAR AND PROTECTION	C	3
16VV1A0217	R1641027	ELECTRICAL SIMULATION LABORATORY	C	2
16VV1A0217	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	C	2
16VV1A0217	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0217	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0218	R1641021	UTILIZATION OF ELECTRICAL ENERGY	B	3
16VV1A0218	R1641022	LINEAR IC APPLICATIONS	D	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0218	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0218	R1641024	SWITCHGEAR AND PROTECTION	C	3
16VV1A0218	R1641027	ELECTRICAL SIMULATION LABORATORY	B	2
16VV1A0218	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	F	0
16VV1A0218	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	D	3
16VV1A0218	R164102G	SPECIAL ELECTRICAL MACHINES	D	3
16VV1A0219	R1641021	UTILIZATION OF ELECTRICAL ENERGY	C	3
16VV1A0219	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0219	R1641023	POWER SYSTEM OPERATION & CONTROL	C	3
16VV1A0219	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0219	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0219	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0219	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	D	3
16VV1A0219	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0220	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0220	R1641022	LINEAR IC APPLICATIONS	B	3
16VV1A0220	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0220	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0220	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0220	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
16VV1A0220	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
16VV1A0220	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0221	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0221	R1641022	LINEAR IC APPLICATIONS	F	0
16VV1A0221	R1641023	POWER SYSTEM OPERATION & CONTROL	C	3
16VV1A0221	R1641024	SWITCHGEAR AND PROTECTION	D	3
16VV1A0221	R1641027	ELECTRICAL SIMULATION LABORATORY	B	2
16VV1A0221	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	B	2
16VV1A0221	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	D	3
16VV1A0221	R164102G	SPECIAL ELECTRICAL MACHINES	C	3
16VV1A0223	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0223	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0223	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0223	R1641024	SWITCHGEAR AND PROTECTION	C	3
16VV1A0223	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0223	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0223	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0223	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0224	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0224	R1641022	LINEAR IC APPLICATIONS	A	3
16VV1A0224	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0224	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0224	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0224	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0224	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0224	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0225	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0225	R1641022	LINEAR IC APPLICATIONS	C	3
16VV1A0225	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0225	R1641024	SWITCHGEAR AND PROTECTION	C	3
16VV1A0225	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0225	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
16VV1A0225	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0225	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0226	R1641021	UTILIZATION OF ELECTRICAL ENERGY	B	3
16VV1A0226	R1641022	LINEAR IC APPLICATIONS	C	3
16VV1A0226	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0226	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0226	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0226	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	B	2
16VV1A0226	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0226	R164102G	SPECIAL ELECTRICAL MACHINES	C	3
16VV1A0227	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0227	R1641022	LINEAR IC APPLICATIONS	S	3
16VV1A0227	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0227	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0227	R1641027	ELECTRICAL SIMULATION LABORATORY	O	2
16VV1A0227	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	O	2
16VV1A0227	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0227	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0228	R1641021	UTILIZATION OF ELECTRICAL ENERGY	B	3
16VV1A0228	R1641022	LINEAR IC APPLICATIONS	C	3
16VV1A0228	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0228	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0228	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0228	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0228	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0228	R164102G	SPECIAL ELECTRICAL MACHINES	C	3
16VV1A0229	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0229	R1641022	LINEAR IC APPLICATIONS	F	0
16VV1A0229	R1641023	POWER SYSTEM OPERATION & CONTROL	F	0
16VV1A0229	R1641024	SWITCHGEAR AND PROTECTION	F	0
16VV1A0229	R1641027	ELECTRICAL SIMULATION LABORATORY	B	2
16VV1A0229	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	C	2
16VV1A0229	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	D	3
16VV1A0229	R164102G	SPECIAL ELECTRICAL MACHINES	D	3
16VV1A0230	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0230	R1641022	LINEAR IC APPLICATIONS	C	3
16VV1A0230	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0230	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0230	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0230	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0230	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0230	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0231	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0231	R1641022	LINEAR IC APPLICATIONS	C	3
16VV1A0231	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0231	R1641024	SWITCHGEAR AND PROTECTION	C	3
16VV1A0231	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0231	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0231	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0231	R164102G	SPECIAL ELECTRICAL MACHINES	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0232	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0232	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0232	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0232	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0232	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0232	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
16VV1A0232	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0232	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0233	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0233	R1641022	LINEAR IC APPLICATIONS	B	3
16VV1A0233	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0233	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0233	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0233	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
16VV1A0233	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0233	R164102G	SPECIAL ELECTRICAL MACHINES	S	3
16VV1A0234	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0234	R1641022	LINEAR IC APPLICATIONS	B	3
16VV1A0234	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0234	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0234	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0234	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0234	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0234	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0235	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0235	R1641022	LINEAR IC APPLICATIONS	A	3
16VV1A0235	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0235	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0235	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0235	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	O	2
16VV1A0235	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
16VV1A0235	R164102G	SPECIAL ELECTRICAL MACHINES	S	3
16VV1A0236	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0236	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0236	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0236	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0236	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0236	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
16VV1A0236	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0236	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0237	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0237	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0237	R1641023	POWER SYSTEM OPERATION & CONTROL	C	3
16VV1A0237	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0237	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0237	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	B	2
16VV1A0237	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0237	R164102G	SPECIAL ELECTRICAL MACHINES	D	3
16VV1A0238	R1641021	UTILIZATION OF ELECTRICAL ENERGY	B	3
16VV1A0238	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0238	R1641023	POWER SYSTEM OPERATION & CONTROL	D	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0238	R1641024	SWITCHGEAR AND PROTECTION	D	3
16VV1A0238	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0238	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0238	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0238	R164102G	SPECIAL ELECTRICAL MACHINES	D	3
16VV1A0239	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0239	R1641022	LINEAR IC APPLICATIONS	S	3
16VV1A0239	R1641023	POWER SYSTEM OPERATION & CONTROL	S	3
16VV1A0239	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0239	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0239	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0239	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	S	3
16VV1A0239	R164102G	SPECIAL ELECTRICAL MACHINES	S	3
16VV1A0240	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0240	R1641022	LINEAR IC APPLICATIONS	C	3
16VV1A0240	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0240	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0240	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0240	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
16VV1A0240	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0240	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0241	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0241	R1641022	LINEAR IC APPLICATIONS	S	3
16VV1A0241	R1641023	POWER SYSTEM OPERATION & CONTROL	S	3
16VV1A0241	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0241	R1641027	ELECTRICAL SIMULATION LABORATORY	O	2
16VV1A0241	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	O	2
16VV1A0241	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
16VV1A0241	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0242	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0242	R1641022	LINEAR IC APPLICATIONS	A	3
16VV1A0242	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0242	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0242	R1641027	ELECTRICAL SIMULATION LABORATORY	O	2
16VV1A0242	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
16VV1A0242	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0242	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0244	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0244	R1641022	LINEAR IC APPLICATIONS	A	3
16VV1A0244	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0244	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0244	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0244	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
16VV1A0244	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0244	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0245	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0245	R1641022	LINEAR IC APPLICATIONS	C	3
16VV1A0245	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0245	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0245	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0245	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0245	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0245	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0246	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0246	R1641022	LINEAR IC APPLICATIONS	B	3
16VV1A0246	R1641023	POWER SYSTEM OPERATION & CONTROL	S	3
16VV1A0246	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0246	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0246	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0246	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0246	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0247	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0247	R1641022	LINEAR IC APPLICATIONS	C	3
16VV1A0247	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0247	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0247	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0247	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0247	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0247	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0248	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0248	R1641022	LINEAR IC APPLICATIONS	B	3
16VV1A0248	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0248	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0248	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0248	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0248	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
16VV1A0248	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0249	R1641021	UTILIZATION OF ELECTRICAL ENERGY	O	3
16VV1A0249	R1641022	LINEAR IC APPLICATIONS	S	3
16VV1A0249	R1641023	POWER SYSTEM OPERATION & CONTROL	S	3
16VV1A0249	R1641024	SWITCHGEAR AND PROTECTION	S	3
16VV1A0249	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0249	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
16VV1A0249	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
16VV1A0249	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0250	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0250	R1641022	LINEAR IC APPLICATIONS	B	3
16VV1A0250	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0250	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0250	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0250	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	O	2
16VV1A0250	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0250	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
16VV1A0251	R1641021	UTILIZATION OF ELECTRICAL ENERGY	C	3
16VV1A0251	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0251	R1641023	POWER SYSTEM OPERATION & CONTROL	C	3
16VV1A0251	R1641024	SWITCHGEAR AND PROTECTION	C	3
16VV1A0251	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0251	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	D	2
16VV1A0251	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	D	3
16VV1A0251	R164102G	SPECIAL ELECTRICAL MACHINES	D	3
16VV1A0252	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0252	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0252	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0252	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0252	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0252	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0252	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0252	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0253	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
16VV1A0253	R1641022	LINEAR IC APPLICATIONS	S	3
16VV1A0253	R1641023	POWER SYSTEM OPERATION & CONTROL	S	3
16VV1A0253	R1641024	SWITCHGEAR AND PROTECTION	A	3
16VV1A0253	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0253	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	O	2
16VV1A0253	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
16VV1A0253	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0254	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0254	R1641022	LINEAR IC APPLICATIONS	C	3
16VV1A0254	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
16VV1A0254	R1641024	SWITCHGEAR AND PROTECTION	C	3
16VV1A0254	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
16VV1A0254	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0254	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0254	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
16VV1A0255	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
16VV1A0255	R1641022	LINEAR IC APPLICATIONS	D	3
16VV1A0255	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
16VV1A0255	R1641024	SWITCHGEAR AND PROTECTION	B	3
16VV1A0255	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
16VV1A0255	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
16VV1A0255	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
16VV1A0255	R164102G	SPECIAL ELECTRICAL MACHINES	C	3
16VV1A0301	R1641031	MECHATRONICS	A	3
16VV1A0301	R1641032	CAD/CAM	A	3
16VV1A0301	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0301	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0301	R1641037	CAD/CAM LAB	O	2
16VV1A0301	R1641038	MECHATRONICS LAB	O	2
16VV1A0301	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0301	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0302	R1641031	MECHATRONICS	S	3
16VV1A0302	R1641032	CAD/CAM	A	3
16VV1A0302	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0302	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0302	R1641037	CAD/CAM LAB	O	2
16VV1A0302	R1641038	MECHATRONICS LAB	O	2
16VV1A0302	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0302	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0303	R1641031	MECHATRONICS	A	3
16VV1A0303	R1641032	CAD/CAM	C	3
16VV1A0303	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0303	R1641034	POWER PLANT ENGINEERING	C	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0303	R1641037	CAD/CAM LAB	O	2
16VV1A0303	R1641038	MECHATRONICS LAB	O	2
16VV1A0303	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0303	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0305	R1641031	MECHATRONICS	A	3
16VV1A0305	R1641032	CAD/CAM	C	3
16VV1A0305	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0305	R1641034	POWER PLANT ENGINEERING	D	3
16VV1A0305	R1641037	CAD/CAM LAB	O	2
16VV1A0305	R1641038	MECHATRONICS LAB	O	2
16VV1A0305	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0305	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0306	R1641031	MECHATRONICS	A	3
16VV1A0306	R1641032	CAD/CAM	C	3
16VV1A0306	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0306	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0306	R1641037	CAD/CAM LAB	O	2
16VV1A0306	R1641038	MECHATRONICS LAB	O	2
16VV1A0306	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0306	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0307	R1641031	MECHATRONICS	A	3
16VV1A0307	R1641032	CAD/CAM	A	3
16VV1A0307	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0307	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0307	R1641037	CAD/CAM LAB	O	2
16VV1A0307	R1641038	MECHATRONICS LAB	O	2
16VV1A0307	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0307	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0308	R1641031	MECHATRONICS	A	3
16VV1A0308	R1641032	CAD/CAM	B	3
16VV1A0308	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0308	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0308	R1641037	CAD/CAM LAB	O	2
16VV1A0308	R1641038	MECHATRONICS LAB	O	2
16VV1A0308	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0308	R164103E	DESIGN FOR MANUFACTURE	F	0
16VV1A0309	R1641031	MECHATRONICS	A	3
16VV1A0309	R1641032	CAD/CAM	D	3
16VV1A0309	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0309	R1641034	POWER PLANT ENGINEERING	D	3
16VV1A0309	R1641037	CAD/CAM LAB	O	2
16VV1A0309	R1641038	MECHATRONICS LAB	O	2
16VV1A0309	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0309	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0310	R1641031	MECHATRONICS	C	3
16VV1A0310	R1641032	CAD/CAM	D	3
16VV1A0310	R1641033	FINITE ELEMENT METHODS	D	3
16VV1A0310	R1641034	POWER PLANT ENGINEERING	D	3
16VV1A0310	R1641037	CAD/CAM LAB	O	2
16VV1A0310	R1641038	MECHATRONICS LAB	O	2
16VV1A0310	R164103C	ADDITIVE MANUFACTURING	D	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0310	R164103E	DESIGN FOR MANUFACTURE	D	3
16VV1A0311	R1641031	MECHATRONICS	S	3
16VV1A0311	R1641032	CAD/CAM	B	3
16VV1A0311	R1641033	FINITE ELEMENT METHODS	A	3
16VV1A0311	R1641034	POWER PLANT ENGINEERING	S	3
16VV1A0311	R1641037	CAD/CAM LAB	O	2
16VV1A0311	R1641038	MECHATRONICS LAB	O	2
16VV1A0311	R164103C	ADDITIVE MANUFACTURING	A	3
16VV1A0311	R164103E	DESIGN FOR MANUFACTURE	A	3
16VV1A0312	R1641031	MECHATRONICS	A	3
16VV1A0312	R1641032	CAD/CAM	B	3
16VV1A0312	R1641033	FINITE ELEMENT METHODS	A	3
16VV1A0312	R1641034	POWER PLANT ENGINEERING	A	3
16VV1A0312	R1641037	CAD/CAM LAB	O	2
16VV1A0312	R1641038	MECHATRONICS LAB	O	2
16VV1A0312	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0312	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0313	R1641031	MECHATRONICS	B	3
16VV1A0313	R1641032	CAD/CAM	C	3
16VV1A0313	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0313	R1641034	POWER PLANT ENGINEERING	D	3
16VV1A0313	R1641037	CAD/CAM LAB	O	2
16VV1A0313	R1641038	MECHATRONICS LAB	O	2
16VV1A0313	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0313	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0314	R1641031	MECHATRONICS	A	3
16VV1A0314	R1641032	CAD/CAM	B	3
16VV1A0314	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0314	R1641034	POWER PLANT ENGINEERING	B	3
16VV1A0314	R1641037	CAD/CAM LAB	O	2
16VV1A0314	R1641038	MECHATRONICS LAB	O	2
16VV1A0314	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0314	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0315	R1641031	MECHATRONICS	A	3
16VV1A0315	R1641032	CAD/CAM	C	3
16VV1A0315	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0315	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0315	R1641037	CAD/CAM LAB	O	2
16VV1A0315	R1641038	MECHATRONICS LAB	O	2
16VV1A0315	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0315	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0316	R1641031	MECHATRONICS	A	3
16VV1A0316	R1641032	CAD/CAM	A	3
16VV1A0316	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0316	R1641034	POWER PLANT ENGINEERING	B	3
16VV1A0316	R1641037	CAD/CAM LAB	O	2
16VV1A0316	R1641038	MECHATRONICS LAB	O	2
16VV1A0316	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0316	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0317	R1641031	MECHATRONICS	B	3
16VV1A0317	R1641032	CAD/CAM	C	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0317	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0317	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0317	R1641037	CAD/CAM LAB	O	2
16VV1A0317	R1641038	MECHATRONICS LAB	O	2
16VV1A0317	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0317	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0318	R1641031	MECHATRONICS	B	3
16VV1A0318	R1641032	CAD/CAM	A	3
16VV1A0318	R1641033	FINITE ELEMENT METHODS	D	3
16VV1A0318	R1641034	POWER PLANT ENGINEERING	A	3
16VV1A0318	R1641037	CAD/CAM LAB	O	2
16VV1A0318	R1641038	MECHATRONICS LAB	O	2
16VV1A0318	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0318	R164103E	DESIGN FOR MANUFACTURE	A	3
16VV1A0319	R1641031	MECHATRONICS	B	3
16VV1A0319	R1641032	CAD/CAM	B	3
16VV1A0319	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0319	R1641034	POWER PLANT ENGINEERING	A	3
16VV1A0319	R1641037	CAD/CAM LAB	O	2
16VV1A0319	R1641038	MECHATRONICS LAB	O	2
16VV1A0319	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0319	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0320	R1641031	MECHATRONICS	B	3
16VV1A0320	R1641032	CAD/CAM	C	3
16VV1A0320	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0320	R1641034	POWER PLANT ENGINEERING	B	3
16VV1A0320	R1641037	CAD/CAM LAB	O	2
16VV1A0320	R1641038	MECHATRONICS LAB	O	2
16VV1A0320	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0320	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0321	R1641031	MECHATRONICS	C	3
16VV1A0321	R1641032	CAD/CAM	C	3
16VV1A0321	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0321	R1641034	POWER PLANT ENGINEERING	B	3
16VV1A0321	R1641037	CAD/CAM LAB	O	2
16VV1A0321	R1641038	MECHATRONICS LAB	O	2
16VV1A0321	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0321	R164103E	DESIGN FOR MANUFACTURE	D	3
16VV1A0322	R1641031	MECHATRONICS	C	3
16VV1A0322	R1641032	CAD/CAM	C	3
16VV1A0322	R1641033	FINITE ELEMENT METHODS	D	3
16VV1A0322	R1641034	POWER PLANT ENGINEERING	D	3
16VV1A0322	R1641037	CAD/CAM LAB	O	2
16VV1A0322	R1641038	MECHATRONICS LAB	O	2
16VV1A0322	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0322	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0323	R1641031	MECHATRONICS	B	3
16VV1A0323	R1641032	CAD/CAM	F	0
16VV1A0323	R1641033	FINITE ELEMENT METHODS	D	3
16VV1A0323	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0323	R1641037	CAD/CAM LAB	O	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0323	R1641038	MECHATRONICS LAB	O	2
16VV1A0323	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0323	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0324	R1641031	MECHATRONICS	C	3
16VV1A0324	R1641032	CAD/CAM	C	3
16VV1A0324	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0324	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0324	R1641037	CAD/CAM LAB	O	2
16VV1A0324	R1641038	MECHATRONICS LAB	O	2
16VV1A0324	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0324	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0325	R1641031	MECHATRONICS	B	3
16VV1A0325	R1641032	CAD/CAM	C	3
16VV1A0325	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0325	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0325	R1641037	CAD/CAM LAB	O	2
16VV1A0325	R1641038	MECHATRONICS LAB	O	2
16VV1A0325	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0325	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0326	R1641031	MECHATRONICS	S	3
16VV1A0326	R1641032	CAD/CAM	B	3
16VV1A0326	R1641033	FINITE ELEMENT METHODS	S	3
16VV1A0326	R1641034	POWER PLANT ENGINEERING	B	3
16VV1A0326	R1641037	CAD/CAM LAB	O	2
16VV1A0326	R1641038	MECHATRONICS LAB	O	2
16VV1A0326	R164103C	ADDITIVE MANUFACTURING	A	3
16VV1A0326	R164103E	DESIGN FOR MANUFACTURE	S	3
16VV1A0327	R1641031	MECHATRONICS	B	3
16VV1A0327	R1641032	CAD/CAM	C	3
16VV1A0327	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0327	R1641034	POWER PLANT ENGINEERING	B	3
16VV1A0327	R1641037	CAD/CAM LAB	O	2
16VV1A0327	R1641038	MECHATRONICS LAB	O	2
16VV1A0327	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0327	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0328	R1641031	MECHATRONICS	A	3
16VV1A0328	R1641032	CAD/CAM	C	3
16VV1A0328	R1641033	FINITE ELEMENT METHODS	D	3
16VV1A0328	R1641034	POWER PLANT ENGINEERING	D	3
16VV1A0328	R1641037	CAD/CAM LAB	O	2
16VV1A0328	R1641038	MECHATRONICS LAB	O	2
16VV1A0328	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0328	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0329	R1641031	MECHATRONICS	A	3
16VV1A0329	R1641032	CAD/CAM	B	3
16VV1A0329	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0329	R1641034	POWER PLANT ENGINEERING	A	3
16VV1A0329	R1641037	CAD/CAM LAB	O	2
16VV1A0329	R1641038	MECHATRONICS LAB	O	2
16VV1A0329	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0329	R164103E	DESIGN FOR MANUFACTURE	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0330	R1641031	MECHATRONICS	B	3
16VV1A0330	R1641032	CAD/CAM	C	3
16VV1A0330	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0330	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0330	R1641037	CAD/CAM LAB	O	2
16VV1A0330	R1641038	MECHATRONICS LAB	O	2
16VV1A0330	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0330	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0331	R1641031	MECHATRONICS	A	3
16VV1A0331	R1641032	CAD/CAM	A	3
16VV1A0331	R1641033	FINITE ELEMENT METHODS	A	3
16VV1A0331	R1641034	POWER PLANT ENGINEERING	A	3
16VV1A0331	R1641037	CAD/CAM LAB	O	2
16VV1A0331	R1641038	MECHATRONICS LAB	O	2
16VV1A0331	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0331	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0332	R1641031	MECHATRONICS	A	3
16VV1A0332	R1641032	CAD/CAM	C	3
16VV1A0332	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0332	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0332	R1641037	CAD/CAM LAB	O	2
16VV1A0332	R1641038	MECHATRONICS LAB	O	2
16VV1A0332	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0332	R164103E	DESIGN FOR MANUFACTURE	D	3
16VV1A0333	R1641031	MECHATRONICS	A	3
16VV1A0333	R1641032	CAD/CAM	B	3
16VV1A0333	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0333	R1641034	POWER PLANT ENGINEERING	A	3
16VV1A0333	R1641037	CAD/CAM LAB	O	2
16VV1A0333	R1641038	MECHATRONICS LAB	O	2
16VV1A0333	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0333	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0334	R1641031	MECHATRONICS	A	3
16VV1A0334	R1641032	CAD/CAM	B	3
16VV1A0334	R1641033	FINITE ELEMENT METHODS	A	3
16VV1A0334	R1641034	POWER PLANT ENGINEERING	A	3
16VV1A0334	R1641037	CAD/CAM LAB	O	2
16VV1A0334	R1641038	MECHATRONICS LAB	O	2
16VV1A0334	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0334	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0335	R1641031	MECHATRONICS	A	3
16VV1A0335	R1641032	CAD/CAM	B	3
16VV1A0335	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0335	R1641034	POWER PLANT ENGINEERING	B	3
16VV1A0335	R1641037	CAD/CAM LAB	O	2
16VV1A0335	R1641038	MECHATRONICS LAB	O	2
16VV1A0335	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0335	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0336	R1641031	MECHATRONICS	B	3
16VV1A0336	R1641032	CAD/CAM	C	3
16VV1A0336	R1641033	FINITE ELEMENT METHODS	D	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0336	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0336	R1641037	CAD/CAM LAB	O	2
16VV1A0336	R1641038	MECHATRONICS LAB	O	2
16VV1A0336	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0336	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0337	R1641031	MECHATRONICS	B	3
16VV1A0337	R1641032	CAD/CAM	C	3
16VV1A0337	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0337	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0337	R1641037	CAD/CAM LAB	O	2
16VV1A0337	R1641038	MECHATRONICS LAB	O	2
16VV1A0337	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0337	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0338	R1641031	MECHATRONICS	B	3
16VV1A0338	R1641032	CAD/CAM	D	3
16VV1A0338	R1641033	FINITE ELEMENT METHODS	D	3
16VV1A0338	R1641034	POWER PLANT ENGINEERING	D	3
16VV1A0338	R1641037	CAD/CAM LAB	O	2
16VV1A0338	R1641038	MECHATRONICS LAB	O	2
16VV1A0338	R164103C	ADDITIVE MANUFACTURING	D	3
16VV1A0338	R164103E	DESIGN FOR MANUFACTURE	D	3
16VV1A0339	R1641031	MECHATRONICS	S	3
16VV1A0339	R1641032	CAD/CAM	A	3
16VV1A0339	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0339	R1641034	POWER PLANT ENGINEERING	A	3
16VV1A0339	R1641037	CAD/CAM LAB	O	2
16VV1A0339	R1641038	MECHATRONICS LAB	O	2
16VV1A0339	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0339	R164103E	DESIGN FOR MANUFACTURE	A	3
16VV1A0340	R1641031	MECHATRONICS	B	3
16VV1A0340	R1641032	CAD/CAM	C	3
16VV1A0340	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0340	R1641034	POWER PLANT ENGINEERING	A	3
16VV1A0340	R1641037	CAD/CAM LAB	O	2
16VV1A0340	R1641038	MECHATRONICS LAB	O	2
16VV1A0340	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0340	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0342	R1641031	MECHATRONICS	C	3
16VV1A0342	R1641032	CAD/CAM	C	3
16VV1A0342	R1641033	FINITE ELEMENT METHODS	D	3
16VV1A0342	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0342	R1641037	CAD/CAM LAB	O	2
16VV1A0342	R1641038	MECHATRONICS LAB	O	2
16VV1A0342	R164103C	ADDITIVE MANUFACTURING	D	3
16VV1A0342	R164103E	DESIGN FOR MANUFACTURE	D	3
16VV1A0343	R1641031	MECHATRONICS	B	3
16VV1A0343	R1641032	CAD/CAM	C	3
16VV1A0343	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0343	R1641034	POWER PLANT ENGINEERING	D	3
16VV1A0343	R1641037	CAD/CAM LAB	O	2
16VV1A0343	R1641038	MECHATRONICS LAB	O	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0343	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0343	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0344	R1641031	MECHATRONICS	B	3
16VV1A0344	R1641032	CAD/CAM	B	3
16VV1A0344	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0344	R1641034	POWER PLANT ENGINEERING	D	3
16VV1A0344	R1641037	CAD/CAM LAB	O	2
16VV1A0344	R1641038	MECHATRONICS LAB	O	2
16VV1A0344	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0344	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0345	R1641031	MECHATRONICS	A	3
16VV1A0345	R1641032	CAD/CAM	C	3
16VV1A0345	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0345	R1641034	POWER PLANT ENGINEERING	B	3
16VV1A0345	R1641037	CAD/CAM LAB	O	2
16VV1A0345	R1641038	MECHATRONICS LAB	O	2
16VV1A0345	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0345	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0346	R1641031	MECHATRONICS	B	3
16VV1A0346	R1641032	CAD/CAM	B	3
16VV1A0346	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0346	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0346	R1641037	CAD/CAM LAB	O	2
16VV1A0346	R1641038	MECHATRONICS LAB	O	2
16VV1A0346	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0346	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0347	R1641031	MECHATRONICS	A	3
16VV1A0347	R1641032	CAD/CAM	A	3
16VV1A0347	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0347	R1641034	POWER PLANT ENGINEERING	B	3
16VV1A0347	R1641037	CAD/CAM LAB	O	2
16VV1A0347	R1641038	MECHATRONICS LAB	O	2
16VV1A0347	R164103C	ADDITIVE MANUFACTURING	A	3
16VV1A0347	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0348	R1641031	MECHATRONICS	B	3
16VV1A0348	R1641032	CAD/CAM	B	3
16VV1A0348	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0348	R1641034	POWER PLANT ENGINEERING	D	3
16VV1A0348	R1641037	CAD/CAM LAB	O	2
16VV1A0348	R1641038	MECHATRONICS LAB	O	2
16VV1A0348	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0348	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0349	R1641031	MECHATRONICS	C	3
16VV1A0349	R1641032	CAD/CAM	C	3
16VV1A0349	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0349	R1641034	POWER PLANT ENGINEERING	B	3
16VV1A0349	R1641037	CAD/CAM LAB	O	2
16VV1A0349	R1641038	MECHATRONICS LAB	O	2
16VV1A0349	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0349	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0350	R1641031	MECHATRONICS	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0350	R1641032	CAD/CAM	B	3
16VV1A0350	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0350	R1641034	POWER PLANT ENGINEERING	A	3
16VV1A0350	R1641037	CAD/CAM LAB	O	2
16VV1A0350	R1641038	MECHATRONICS LAB	O	2
16VV1A0350	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0350	R164103E	DESIGN FOR MANUFACTURE	B	3
16VV1A0351	R1641031	MECHATRONICS	B	3
16VV1A0351	R1641032	CAD/CAM	D	3
16VV1A0351	R1641033	FINITE ELEMENT METHODS	D	3
16VV1A0351	R1641034	POWER PLANT ENGINEERING	D	3
16VV1A0351	R1641037	CAD/CAM LAB	O	2
16VV1A0351	R1641038	MECHATRONICS LAB	O	2
16VV1A0351	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0351	R164103E	DESIGN FOR MANUFACTURE	F	0
16VV1A0352	R1641031	MECHATRONICS	A	3
16VV1A0352	R1641032	CAD/CAM	C	3
16VV1A0352	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0352	R1641034	POWER PLANT ENGINEERING	C	3
16VV1A0352	R1641037	CAD/CAM LAB	O	2
16VV1A0352	R1641038	MECHATRONICS LAB	O	2
16VV1A0352	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0352	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0353	R1641031	MECHATRONICS	B	3
16VV1A0353	R1641032	CAD/CAM	D	3
16VV1A0353	R1641033	FINITE ELEMENT METHODS	D	3
16VV1A0353	R1641034	POWER PLANT ENGINEERING	D	3
16VV1A0353	R1641037	CAD/CAM LAB	S	2
16VV1A0353	R1641038	MECHATRONICS LAB	O	2
16VV1A0353	R164103C	ADDITIVE MANUFACTURING	D	3
16VV1A0353	R164103E	DESIGN FOR MANUFACTURE	F	0
16VV1A0354	R1641031	MECHATRONICS	A	3
16VV1A0354	R1641032	CAD/CAM	A	3
16VV1A0354	R1641033	FINITE ELEMENT METHODS	A	3
16VV1A0354	R1641034	POWER PLANT ENGINEERING	A	3
16VV1A0354	R1641037	CAD/CAM LAB	O	2
16VV1A0354	R1641038	MECHATRONICS LAB	O	2
16VV1A0354	R164103C	ADDITIVE MANUFACTURING	A	3
16VV1A0354	R164103E	DESIGN FOR MANUFACTURE	A	3
16VV1A0355	R1641031	MECHATRONICS	A	3
16VV1A0355	R1641032	CAD/CAM	D	3
16VV1A0355	R1641033	FINITE ELEMENT METHODS	D	3
16VV1A0355	R1641034	POWER PLANT ENGINEERING	B	3
16VV1A0355	R1641037	CAD/CAM LAB	O	2
16VV1A0355	R1641038	MECHATRONICS LAB	O	2
16VV1A0355	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0355	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0357	R1641031	MECHATRONICS	A	3
16VV1A0357	R1641032	CAD/CAM	C	3
16VV1A0357	R1641033	FINITE ELEMENT METHODS	C	3
16VV1A0357	R1641034	POWER PLANT ENGINEERING	D	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0357	R1641037	CAD/CAM LAB	O	2
16VV1A0357	R1641038	MECHATRONICS LAB	O	2
16VV1A0357	R164103C	ADDITIVE MANUFACTURING	C	3
16VV1A0357	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0358	R1641031	MECHATRONICS	B	3
16VV1A0358	R1641032	CAD/CAM	B	3
16VV1A0358	R1641033	FINITE ELEMENT METHODS	B	3
16VV1A0358	R1641034	POWER PLANT ENGINEERING	A	3
16VV1A0358	R1641037	CAD/CAM LAB	O	2
16VV1A0358	R1641038	MECHATRONICS LAB	O	2
16VV1A0358	R164103C	ADDITIVE MANUFACTURING	B	3
16VV1A0358	R164103E	DESIGN FOR MANUFACTURE	C	3
16VV1A0401	R1641041	RADAR SYSTEMS	S	3
16VV1A0401	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0401	R1641043	COMPUTER NETWORKS	B	3
16VV1A0401	R1641044	OPTICAL COMMUNICATIONS	A	3
16VV1A0401	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
16VV1A0401	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0401	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
16VV1A0401	R164104D	EMBEDDED SYSTEMS	A	3
16VV1A0402	R1641041	RADAR SYSTEMS	B	3
16VV1A0402	R1641042	DIGITAL IMAGE PROCESSING	C	3
16VV1A0402	R1641043	COMPUTER NETWORKS	C	3
16VV1A0402	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0402	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0402	R1641048	DIGITAL SIGNAL PROCESSING LAB	A	2
16VV1A0402	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0402	R164104D	EMBEDDED SYSTEMS	C	3
16VV1A0403	R1641041	RADAR SYSTEMS	C	3
16VV1A0403	R1641042	DIGITAL IMAGE PROCESSING	C	3
16VV1A0403	R1641043	COMPUTER NETWORKS	D	3
16VV1A0403	R1641044	OPTICAL COMMUNICATIONS	D	3
16VV1A0403	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	A	2
16VV1A0403	R1641048	DIGITAL SIGNAL PROCESSING LAB	A	2
16VV1A0403	R164104B	ELECTRONIC SWITCHING SYSTEMS	D	3
16VV1A0403	R164104D	EMBEDDED SYSTEMS	D	3
16VV1A0404	R1641041	RADAR SYSTEMS	A	3
16VV1A0404	R1641042	DIGITAL IMAGE PROCESSING	S	3
16VV1A0404	R1641043	COMPUTER NETWORKS	B	3
16VV1A0404	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0404	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
16VV1A0404	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0404	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
16VV1A0404	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0405	R1641041	RADAR SYSTEMS	A	3
16VV1A0405	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0405	R1641043	COMPUTER NETWORKS	B	3
16VV1A0405	R1641044	OPTICAL COMMUNICATIONS	A	3
16VV1A0405	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0405	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0405	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0405	R164104D	EMBEDDED SYSTEMS	A	3
16VV1A0406	R1641041	RADAR SYSTEMS	B	3
16VV1A0406	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0406	R1641043	COMPUTER NETWORKS	C	3
16VV1A0406	R1641044	OPTICAL COMMUNICATIONS	C	3
16VV1A0406	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0406	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0406	R164104B	ELECTRONIC SWITCHING SYSTEMS	D	3
16VV1A0406	R164104D	EMBEDDED SYSTEMS	D	3
16VV1A0407	R1641041	RADAR SYSTEMS	S	3
16VV1A0407	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0407	R1641043	COMPUTER NETWORKS	B	3
16VV1A0407	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0407	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0407	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0407	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0407	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0408	R1641041	RADAR SYSTEMS	A	3
16VV1A0408	R1641042	DIGITAL IMAGE PROCESSING	S	3
16VV1A0408	R1641043	COMPUTER NETWORKS	B	3
16VV1A0408	R1641044	OPTICAL COMMUNICATIONS	A	3
16VV1A0408	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
16VV1A0408	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0408	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0408	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0409	R1641041	RADAR SYSTEMS	A	3
16VV1A0409	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0409	R1641043	COMPUTER NETWORKS	C	3
16VV1A0409	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0409	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0409	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0409	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0409	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0410	R1641041	RADAR SYSTEMS	S	3
16VV1A0410	R1641042	DIGITAL IMAGE PROCESSING	S	3
16VV1A0410	R1641043	COMPUTER NETWORKS	B	3
16VV1A0410	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0410	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
16VV1A0410	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0410	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
16VV1A0410	R164104D	EMBEDDED SYSTEMS	A	3
16VV1A0413	R1641041	RADAR SYSTEMS	A	3
16VV1A0413	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0413	R1641043	COMPUTER NETWORKS	B	3
16VV1A0413	R1641044	OPTICAL COMMUNICATIONS	A	3
16VV1A0413	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
16VV1A0413	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0413	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0413	R164104D	EMBEDDED SYSTEMS	A	3
16VV1A0414	R1641041	RADAR SYSTEMS	B	3
16VV1A0414	R1641042	DIGITAL IMAGE PROCESSING	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0414	R1641043	COMPUTER NETWORKS	C	3
16VV1A0414	R1641044	OPTICAL COMMUNICATIONS	A	3
16VV1A0414	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0414	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0414	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0414	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0415	R1641041	RADAR SYSTEMS	B	3
16VV1A0415	R1641042	DIGITAL IMAGE PROCESSING	C	3
16VV1A0415	R1641043	COMPUTER NETWORKS	D	3
16VV1A0415	R1641044	OPTICAL COMMUNICATIONS	C	3
16VV1A0415	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	A	2
16VV1A0415	R1641048	DIGITAL SIGNAL PROCESSING LAB	A	2
16VV1A0415	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0415	R164104D	EMBEDDED SYSTEMS	C	3
16VV1A0416	R1641041	RADAR SYSTEMS	B	3
16VV1A0416	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0416	R1641043	COMPUTER NETWORKS	C	3
16VV1A0416	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0416	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0416	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0416	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
16VV1A0416	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0417	R1641041	RADAR SYSTEMS	S	3
16VV1A0417	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0417	R1641043	COMPUTER NETWORKS	B	3
16VV1A0417	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0417	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
16VV1A0417	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0417	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
16VV1A0417	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0418	R1641041	RADAR SYSTEMS	S	3
16VV1A0418	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0418	R1641043	COMPUTER NETWORKS	B	3
16VV1A0418	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0418	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
16VV1A0418	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0418	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0418	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0419	R1641041	RADAR SYSTEMS	A	3
16VV1A0419	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0419	R1641043	COMPUTER NETWORKS	C	3
16VV1A0419	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0419	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	F	0
16VV1A0419	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0419	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0419	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0420	R1641041	RADAR SYSTEMS	B	3
16VV1A0420	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0420	R1641043	COMPUTER NETWORKS	D	3
16VV1A0420	R1641044	OPTICAL COMMUNICATIONS	C	3
16VV1A0420	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	F	0

Htno	Subcode	Subname	Grade	Credits
16VV1A0420	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0420	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0420	R164104D	EMBEDDED SYSTEMS	C	3
16VV1A0421	R1641041	RADAR SYSTEMS	B	3
16VV1A0421	R1641042	DIGITAL IMAGE PROCESSING	S	3
16VV1A0421	R1641043	COMPUTER NETWORKS	B	3
16VV1A0421	R1641044	OPTICAL COMMUNICATIONS	A	3
16VV1A0421	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
16VV1A0421	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0421	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
16VV1A0421	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0422	R1641041	RADAR SYSTEMS	A	3
16VV1A0422	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0422	R1641043	COMPUTER NETWORKS	D	3
16VV1A0422	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0422	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0422	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0422	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0422	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0423	R1641041	RADAR SYSTEMS	S	3
16VV1A0423	R1641042	DIGITAL IMAGE PROCESSING	S	3
16VV1A0423	R1641043	COMPUTER NETWORKS	A	3
16VV1A0423	R1641044	OPTICAL COMMUNICATIONS	S	3
16VV1A0423	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
16VV1A0423	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0423	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
16VV1A0423	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0424	R1641041	RADAR SYSTEMS	B	3
16VV1A0424	R1641042	DIGITAL IMAGE PROCESSING	C	3
16VV1A0424	R1641043	COMPUTER NETWORKS	C	3
16VV1A0424	R1641044	OPTICAL COMMUNICATIONS	C	3
16VV1A0424	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0424	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0424	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0424	R164104D	EMBEDDED SYSTEMS	C	3
16VV1A0425	R1641041	RADAR SYSTEMS	A	3
16VV1A0425	R1641042	DIGITAL IMAGE PROCESSING	C	3
16VV1A0425	R1641043	COMPUTER NETWORKS	C	3
16VV1A0425	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0425	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0425	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0425	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0425	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0427	R1641041	RADAR SYSTEMS	S	3
16VV1A0427	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0427	R1641043	COMPUTER NETWORKS	C	3
16VV1A0427	R1641044	OPTICAL COMMUNICATIONS	A	3
16VV1A0427	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0427	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0427	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
16VV1A0427	R164104D	EMBEDDED SYSTEMS	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0428	R1641041	RADAR SYSTEMS	B	3
16VV1A0428	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0428	R1641043	COMPUTER NETWORKS	C	3
16VV1A0428	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0428	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0428	R1641048	DIGITAL SIGNAL PROCESSING LAB	A	2
16VV1A0428	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0428	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0429	R1641041	RADAR SYSTEMS	B	3
16VV1A0429	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0429	R1641043	COMPUTER NETWORKS	C	3
16VV1A0429	R1641044	OPTICAL COMMUNICATIONS	A	3
16VV1A0429	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0429	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0429	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0429	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0430	R1641041	RADAR SYSTEMS	B	3
16VV1A0430	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0430	R1641043	COMPUTER NETWORKS	C	3
16VV1A0430	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0430	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0430	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0430	R164104B	ELECTRONIC SWITCHING SYSTEMS	D	3
16VV1A0430	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0431	R1641041	RADAR SYSTEMS	B	3
16VV1A0431	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0431	R1641043	COMPUTER NETWORKS	C	3
16VV1A0431	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0431	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0431	R1641048	DIGITAL SIGNAL PROCESSING LAB	A	2
16VV1A0431	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0431	R164104D	EMBEDDED SYSTEMS	C	3
16VV1A0432	R1641041	RADAR SYSTEMS	B	3
16VV1A0432	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0432	R1641043	COMPUTER NETWORKS	B	3
16VV1A0432	R1641044	OPTICAL COMMUNICATIONS	A	3
16VV1A0432	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0432	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0432	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0432	R164104D	EMBEDDED SYSTEMS	A	3
16VV1A0433	R1641041	RADAR SYSTEMS	B	3
16VV1A0433	R1641042	DIGITAL IMAGE PROCESSING	C	3
16VV1A0433	R1641043	COMPUTER NETWORKS	C	3
16VV1A0433	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0433	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0433	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0433	R164104B	ELECTRONIC SWITCHING SYSTEMS	D	3
16VV1A0433	R164104D	EMBEDDED SYSTEMS	C	3
16VV1A0434	R1641041	RADAR SYSTEMS	B	3
16VV1A0434	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0434	R1641043	COMPUTER NETWORKS	C	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0434	R1641044	OPTICAL COMMUNICATIONS	C	3
16VV1A0434	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0434	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0434	R164104B	ELECTRONIC SWITCHING SYSTEMS	D	3
16VV1A0434	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0435	R1641041	RADAR SYSTEMS	A	3
16VV1A0435	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0435	R1641043	COMPUTER NETWORKS	C	3
16VV1A0435	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0435	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
16VV1A0435	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0435	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
16VV1A0435	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0436	R1641041	RADAR SYSTEMS	B	3
16VV1A0436	R1641042	DIGITAL IMAGE PROCESSING	C	3
16VV1A0436	R1641043	COMPUTER NETWORKS	D	3
16VV1A0436	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0436	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0436	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0436	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0436	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0437	R1641041	RADAR SYSTEMS	B	3
16VV1A0437	R1641042	DIGITAL IMAGE PROCESSING	F	0
16VV1A0437	R1641043	COMPUTER NETWORKS	D	3
16VV1A0437	R1641044	OPTICAL COMMUNICATIONS	C	3
16VV1A0437	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	A	2
16VV1A0437	R1641048	DIGITAL SIGNAL PROCESSING LAB	A	2
16VV1A0437	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0437	R164104D	EMBEDDED SYSTEMS	C	3
16VV1A0438	R1641041	RADAR SYSTEMS	B	3
16VV1A0438	R1641042	DIGITAL IMAGE PROCESSING	C	3
16VV1A0438	R1641043	COMPUTER NETWORKS	D	3
16VV1A0438	R1641044	OPTICAL COMMUNICATIONS	C	3
16VV1A0438	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0438	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0438	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0438	R164104D	EMBEDDED SYSTEMS	C	3
16VV1A0439	R1641041	RADAR SYSTEMS	A	3
16VV1A0439	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0439	R1641043	COMPUTER NETWORKS	C	3
16VV1A0439	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0439	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
16VV1A0439	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0439	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0439	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0440	R1641041	RADAR SYSTEMS	A	3
16VV1A0440	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0440	R1641043	COMPUTER NETWORKS	B	3
16VV1A0440	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0440	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0440	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0440	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
16VV1A0440	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0441	R1641041	RADAR SYSTEMS	S	3
16VV1A0441	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0441	R1641043	COMPUTER NETWORKS	C	3
16VV1A0441	R1641044	OPTICAL COMMUNICATIONS	C	3
16VV1A0441	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0441	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0441	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
16VV1A0441	R164104D	EMBEDDED SYSTEMS	C	3
16VV1A0442	R1641041	RADAR SYSTEMS	A	3
16VV1A0442	R1641042	DIGITAL IMAGE PROCESSING	S	3
16VV1A0442	R1641043	COMPUTER NETWORKS	B	3
16VV1A0442	R1641044	OPTICAL COMMUNICATIONS	A	3
16VV1A0442	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0442	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0442	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
16VV1A0442	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0443	R1641041	RADAR SYSTEMS	B	3
16VV1A0443	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0443	R1641043	COMPUTER NETWORKS	B	3
16VV1A0443	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0443	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0443	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0443	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0443	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0444	R1641041	RADAR SYSTEMS	C	3
16VV1A0444	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0444	R1641043	COMPUTER NETWORKS	C	3
16VV1A0444	R1641044	OPTICAL COMMUNICATIONS	C	3
16VV1A0444	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0444	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0444	R164104B	ELECTRONIC SWITCHING SYSTEMS	D	3
16VV1A0444	R164104D	EMBEDDED SYSTEMS	C	3
16VV1A0445	R1641041	RADAR SYSTEMS	S	3
16VV1A0445	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0445	R1641043	COMPUTER NETWORKS	C	3
16VV1A0445	R1641044	OPTICAL COMMUNICATIONS	A	3
16VV1A0445	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
16VV1A0445	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0445	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0445	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0446	R1641041	RADAR SYSTEMS	A	3
16VV1A0446	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0446	R1641043	COMPUTER NETWORKS	B	3
16VV1A0446	R1641044	OPTICAL COMMUNICATIONS	A	3
16VV1A0446	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
16VV1A0446	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0446	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
16VV1A0446	R164104D	EMBEDDED SYSTEMS	A	3
16VV1A0447	R1641041	RADAR SYSTEMS	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0447	R1641042	DIGITAL IMAGE PROCESSING	C	3
16VV1A0447	R1641043	COMPUTER NETWORKS	C	3
16VV1A0447	R1641044	OPTICAL COMMUNICATIONS	D	3
16VV1A0447	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0447	R1641048	DIGITAL SIGNAL PROCESSING LAB	A	2
16VV1A0447	R164104B	ELECTRONIC SWITCHING SYSTEMS	D	3
16VV1A0447	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0448	R1641041	RADAR SYSTEMS	A	3
16VV1A0448	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0448	R1641043	COMPUTER NETWORKS	C	3
16VV1A0448	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0448	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0448	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0448	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0448	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0449	R1641041	RADAR SYSTEMS	A	3
16VV1A0449	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0449	R1641043	COMPUTER NETWORKS	A	3
16VV1A0449	R1641044	OPTICAL COMMUNICATIONS	A	3
16VV1A0449	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0449	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0449	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0449	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0451	R1641041	RADAR SYSTEMS	B	3
16VV1A0451	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0451	R1641043	COMPUTER NETWORKS	C	3
16VV1A0451	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0451	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0451	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0451	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0451	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0452	R1641041	RADAR SYSTEMS	B	3
16VV1A0452	R1641042	DIGITAL IMAGE PROCESSING	D	3
16VV1A0452	R1641043	COMPUTER NETWORKS	D	3
16VV1A0452	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0452	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0452	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0452	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0452	R164104D	EMBEDDED SYSTEMS	C	3
16VV1A0453	R1641041	RADAR SYSTEMS	A	3
16VV1A0453	R1641042	DIGITAL IMAGE PROCESSING	F	0
16VV1A0453	R1641043	COMPUTER NETWORKS	C	3
16VV1A0453	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0453	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0453	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0453	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0453	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0454	R1641041	RADAR SYSTEMS	A	3
16VV1A0454	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0454	R1641043	COMPUTER NETWORKS	C	3
16VV1A0454	R1641044	OPTICAL COMMUNICATIONS	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0454	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0454	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0454	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
16VV1A0454	R164104D	EMBEDDED SYSTEMS	C	3
16VV1A0455	R1641041	RADAR SYSTEMS	A	3
16VV1A0455	R1641042	DIGITAL IMAGE PROCESSING	C	3
16VV1A0455	R1641043	COMPUTER NETWORKS	C	3
16VV1A0455	R1641044	OPTICAL COMMUNICATIONS	D	3
16VV1A0455	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0455	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0455	R164104B	ELECTRONIC SWITCHING SYSTEMS	D	3
16VV1A0455	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0456	R1641041	RADAR SYSTEMS	B	3
16VV1A0456	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0456	R1641043	COMPUTER NETWORKS	C	3
16VV1A0456	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0456	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0456	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0456	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0456	R164104D	EMBEDDED SYSTEMS	C	3
16VV1A0457	R1641041	RADAR SYSTEMS	A	3
16VV1A0457	R1641042	DIGITAL IMAGE PROCESSING	B	3
16VV1A0457	R1641043	COMPUTER NETWORKS	C	3
16VV1A0457	R1641044	OPTICAL COMMUNICATIONS	B	3
16VV1A0457	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0457	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
16VV1A0457	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0457	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0458	R1641041	RADAR SYSTEMS	B	3
16VV1A0458	R1641042	DIGITAL IMAGE PROCESSING	C	3
16VV1A0458	R1641043	COMPUTER NETWORKS	C	3
16VV1A0458	R1641044	OPTICAL COMMUNICATIONS	C	3
16VV1A0458	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0458	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0458	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0458	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0459	R1641041	RADAR SYSTEMS	A	3
16VV1A0459	R1641042	DIGITAL IMAGE PROCESSING	A	3
16VV1A0459	R1641043	COMPUTER NETWORKS	C	3
16VV1A0459	R1641044	OPTICAL COMMUNICATIONS	C	3
16VV1A0459	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
16VV1A0459	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
16VV1A0459	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
16VV1A0459	R164104D	EMBEDDED SYSTEMS	B	3
16VV1A0501	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A0501	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0501	R1641053	WEB TECHNOLOGIES	S	3
16VV1A0501	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A0501	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0501	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0501	R164105A	BIG DATA ANALYTICS	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0501	R164105D	CLOUD COMPUTING	A	3
16VV1A0503	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0503	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0503	R1641053	WEB TECHNOLOGIES	S	3
16VV1A0503	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A0503	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0503	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0503	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0503	R164105D	CLOUD COMPUTING	A	3
16VV1A0504	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	B	3
16VV1A0504	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0504	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0504	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A0504	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0504	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0504	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0504	R164105D	CLOUD COMPUTING	B	3
16VV1A0505	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	B	3
16VV1A0505	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0505	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0505	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0505	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0505	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0505	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0505	R164105D	CLOUD COMPUTING	A	3
16VV1A0506	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0506	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0506	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0506	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A0506	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0506	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0506	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0506	R164105D	CLOUD COMPUTING	B	3
16VV1A0507	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A0507	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0507	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0507	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0507	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0507	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0507	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0507	R164105D	CLOUD COMPUTING	B	3
16VV1A0508	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0508	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0508	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0508	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0508	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0508	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0508	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0508	R164105D	CLOUD COMPUTING	A	3
16VV1A0509	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0509	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0509	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0509	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0509	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0509	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0509	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0509	R164105D	CLOUD COMPUTING	B	3
16VV1A0510	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0510	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0510	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0510	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0510	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0510	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0510	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0510	R164105D	CLOUD COMPUTING	A	3
16VV1A0511	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0511	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0511	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0511	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	C	3
16VV1A0511	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0511	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0511	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0511	R164105D	CLOUD COMPUTING	B	3
16VV1A0512	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	B	3
16VV1A0512	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0512	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0512	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A0512	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0512	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0512	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0512	R164105D	CLOUD COMPUTING	B	3
16VV1A0513	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0513	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0513	R1641053	WEB TECHNOLOGIES	S	3
16VV1A0513	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0513	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0513	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0513	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0513	R164105D	CLOUD COMPUTING	B	3
16VV1A0514	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0514	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0514	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0514	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0514	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0514	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0514	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0514	R164105D	CLOUD COMPUTING	B	3
16VV1A0515	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0515	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0515	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0515	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0515	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0515	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0515	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0515	R164105D	CLOUD COMPUTING	A	3
16VV1A0516	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0516	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0516	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0516	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0516	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0516	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0516	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0516	R164105D	CLOUD COMPUTING	B	3
16VV1A0518	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0518	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0518	R1641053	WEB TECHNOLOGIES	S	3
16VV1A0518	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0518	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0518	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0518	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0518	R164105D	CLOUD COMPUTING	B	3
16VV1A0519	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0519	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0519	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0519	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0519	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0519	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0519	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0519	R164105D	CLOUD COMPUTING	B	3
16VV1A0520	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A0520	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0520	R1641053	WEB TECHNOLOGIES	S	3
16VV1A0520	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0520	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0520	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0520	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0520	R164105D	CLOUD COMPUTING	A	3
16VV1A0522	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0522	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0522	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0522	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A0522	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0522	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0522	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0522	R164105D	CLOUD COMPUTING	B	3
16VV1A0523	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0523	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0523	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0523	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0523	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0523	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0523	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0523	R164105D	CLOUD COMPUTING	B	3

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16VV1A0525	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	C	3
16VV1A0525	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0525	R1641053	WEB TECHNOLOGIES	C	3
16VV1A0525	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	C	3
16VV1A0525	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0525	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0525	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0525	R164105D	CLOUD COMPUTING	C	3
16VV1A0526	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0526	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0526	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0526	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	C	3
16VV1A0526	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0526	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0526	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0526	R164105D	CLOUD COMPUTING	B	3
16VV1A0527	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A0527	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0527	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0527	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A0527	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0527	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0527	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0527	R164105D	CLOUD COMPUTING	A	3
16VV1A0528	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0528	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0528	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0528	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0528	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0528	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0528	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0528	R164105D	CLOUD COMPUTING	A	3
16VV1A0529	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0529	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	S	3
16VV1A0529	R1641053	WEB TECHNOLOGIES	S	3
16VV1A0529	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0529	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0529	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0529	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0529	R164105D	CLOUD COMPUTING	A	3
16VV1A0530	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0530	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0530	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0530	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0530	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0530	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0530	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0530	R164105D	CLOUD COMPUTING	B	3
16VV1A0531	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0531	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0531	R1641053	WEB TECHNOLOGIES	B	3

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16VV1A0531	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0531	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0531	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0531	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0531	R164105D	CLOUD COMPUTING	A	3
16VV1A0532	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0532	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0532	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0532	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0532	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0532	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0532	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0532	R164105D	CLOUD COMPUTING	B	3
16VV1A0533	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0533	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0533	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0533	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A0533	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0533	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0533	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0533	R164105D	CLOUD COMPUTING	A	3
16VV1A0534	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0534	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0534	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0534	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0534	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0534	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0534	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0534	R164105D	CLOUD COMPUTING	A	3
16VV1A0535	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0535	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0535	R1641053	WEB TECHNOLOGIES	S	3
16VV1A0535	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A0535	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0535	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0535	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0535	R164105D	CLOUD COMPUTING	B	3
16VV1A0536	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A0536	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0536	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0536	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A0536	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0536	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0536	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0536	R164105D	CLOUD COMPUTING	A	3
16VV1A0537	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0537	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0537	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0537	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0537	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0537	R1641058	WEB TECHNOLOGIES LAB	S	2

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16VV1A0537	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0537	R164105D	CLOUD COMPUTING	B	3
16VV1A0538	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	C	3
16VV1A0538	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0538	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0538	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A0538	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0538	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0538	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0538	R164105D	CLOUD COMPUTING	B	3
16VV1A0539	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0539	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0539	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0539	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A0539	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0539	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0539	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0539	R164105D	CLOUD COMPUTING	B	3
16VV1A0540	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0540	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0540	R1641053	WEB TECHNOLOGIES	S	3
16VV1A0540	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A0540	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0540	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0540	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0540	R164105D	CLOUD COMPUTING	B	3
16VV1A0542	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0542	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0542	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0542	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A0542	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0542	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0542	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0542	R164105D	CLOUD COMPUTING	B	3
16VV1A0543	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0543	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0543	R1641053	WEB TECHNOLOGIES	C	3
16VV1A0543	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	C	3
16VV1A0543	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0543	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0543	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0543	R164105D	CLOUD COMPUTING	B	3
16VV1A0544	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	F	0
16VV1A0544	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	C	3
16VV1A0544	R1641053	WEB TECHNOLOGIES	C	3
16VV1A0544	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A0544	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0544	R1641058	WEB TECHNOLOGIES LAB	A	2
16VV1A0544	R164105A	BIG DATA ANALYTICS	C	3
16VV1A0544	R164105D	CLOUD COMPUTING	C	3
16VV1A0545	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3

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16VV1A0545	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0545	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0545	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0545	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0545	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0545	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0545	R164105D	CLOUD COMPUTING	B	3
16VV1A0546	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0546	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0546	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0546	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0546	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0546	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0546	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0546	R164105D	CLOUD COMPUTING	B	3
16VV1A0547	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0547	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0547	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0547	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0547	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0547	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0547	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0547	R164105D	CLOUD COMPUTING	A	3
16VV1A0548	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	C	3
16VV1A0548	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0548	R1641053	WEB TECHNOLOGIES	B	3
16VV1A0548	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A0548	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0548	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0548	R164105A	BIG DATA ANALYTICS	C	3
16VV1A0548	R164105D	CLOUD COMPUTING	C	3
16VV1A0549	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0549	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0549	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0549	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0549	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0549	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0549	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0549	R164105D	CLOUD COMPUTING	A	3
16VV1A0550	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A0550	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0550	R1641053	WEB TECHNOLOGIES	S	3
16VV1A0550	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0550	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0550	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0550	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0550	R164105D	CLOUD COMPUTING	B	3
16VV1A0551	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	B	3
16VV1A0551	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0551	R1641053	WEB TECHNOLOGIES	C	3
16VV1A0551	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0551	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0551	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0551	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0551	R164105D	CLOUD COMPUTING	B	3
16VV1A0552	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0552	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0552	R1641053	WEB TECHNOLOGIES	S	3
16VV1A0552	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A0552	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0552	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0552	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0552	R164105D	CLOUD COMPUTING	B	3
16VV1A0553	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A0553	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0553	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0553	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0553	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0553	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0553	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0553	R164105D	CLOUD COMPUTING	B	3
16VV1A0554	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	B	3
16VV1A0554	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0554	R1641053	WEB TECHNOLOGIES	C	3
16VV1A0554	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A0554	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0554	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0554	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0554	R164105D	CLOUD COMPUTING	B	3
16VV1A0555	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	B	3
16VV1A0555	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0555	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0555	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0555	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0555	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0555	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0555	R164105D	CLOUD COMPUTING	A	3
16VV1A0556	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	B	3
16VV1A0556	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	C	3
16VV1A0556	R1641053	WEB TECHNOLOGIES	C	3
16VV1A0556	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A0556	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0556	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0556	R164105A	BIG DATA ANALYTICS	B	3
16VV1A0556	R164105D	CLOUD COMPUTING	C	3
16VV1A0557	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	B	3
16VV1A0557	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0557	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0557	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0557	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0557	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0557	R164105A	BIG DATA ANALYTICS	A	3

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16VV1A0557	R164105D	CLOUD COMPUTING	B	3
16VV1A0558	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0558	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
16VV1A0558	R1641053	WEB TECHNOLOGIES	A	3
16VV1A0558	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A0558	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0558	R1641058	WEB TECHNOLOGIES LAB	S	2
16VV1A0558	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0558	R164105D	CLOUD COMPUTING	B	3
16VV1A0559	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A0559	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
16VV1A0559	R1641053	WEB TECHNOLOGIES	S	3
16VV1A0559	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A0559	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
16VV1A0559	R1641058	WEB TECHNOLOGIES LAB	O	2
16VV1A0559	R164105A	BIG DATA ANALYTICS	A	3
16VV1A0559	R164105D	CLOUD COMPUTING	A	3
16VV1A1201	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1201	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A1201	R164105A	BIG DATA ANALYTICS	B	3
16VV1A1201	R164105C	MOBILE COMPUTING	S	3
16VV1A1201	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1201	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1201	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1201	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1202	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	B	3
16VV1A1202	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	F	0
16VV1A1202	R164105A	BIG DATA ANALYTICS	C	3
16VV1A1202	R164105C	MOBILE COMPUTING	A	3
16VV1A1202	R164105E	SOFTWARE PROJECT MANAGEMENT	D	3
16VV1A1202	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	B	3
16VV1A1202	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1202	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1204	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1204	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1204	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1204	R164105C	MOBILE COMPUTING	S	3
16VV1A1204	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1204	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1204	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1204	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1205	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1205	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1205	R164105A	BIG DATA ANALYTICS	B	3
16VV1A1205	R164105C	MOBILE COMPUTING	S	3
16VV1A1205	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1205	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1205	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1205	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1206	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	B	3
16VV1A1206	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	C	3

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16VV1A1206	R164105A	BIG DATA ANALYTICS	B	3
16VV1A1206	R164105C	MOBILE COMPUTING	A	3
16VV1A1206	R164105E	SOFTWARE PROJECT MANAGEMENT	C	3
16VV1A1206	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1206	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1206	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1207	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	B	3
16VV1A1207	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	D	3
16VV1A1207	R164105A	BIG DATA ANALYTICS	C	3
16VV1A1207	R164105C	MOBILE COMPUTING	A	3
16VV1A1207	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1207	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	A	3
16VV1A1207	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1207	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1208	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A1208	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1208	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1208	R164105C	MOBILE COMPUTING	S	3
16VV1A1208	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1208	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1208	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1208	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1209	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1209	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A1209	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1209	R164105C	MOBILE COMPUTING	O	3
16VV1A1209	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1209	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1209	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1209	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1210	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1210	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1210	R164105A	BIG DATA ANALYTICS	S	3
16VV1A1210	R164105C	MOBILE COMPUTING	S	3
16VV1A1210	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1210	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1210	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1210	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1211	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1211	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1211	R164105A	BIG DATA ANALYTICS	B	3
16VV1A1211	R164105C	MOBILE COMPUTING	S	3
16VV1A1211	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1211	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1211	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1211	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1212	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1212	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A1212	R164105A	BIG DATA ANALYTICS	S	3
16VV1A1212	R164105C	MOBILE COMPUTING	O	3
16VV1A1212	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3

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16VV1A1212	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1212	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1212	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1213	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1213	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1213	R164105A	BIG DATA ANALYTICS	S	3
16VV1A1213	R164105C	MOBILE COMPUTING	S	3
16VV1A1213	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1213	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1213	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1213	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1214	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1214	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1214	R164105A	BIG DATA ANALYTICS	B	3
16VV1A1214	R164105C	MOBILE COMPUTING	A	3
16VV1A1214	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1214	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1214	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1214	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1215	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1215	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1215	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1215	R164105C	MOBILE COMPUTING	O	3
16VV1A1215	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1215	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1215	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1215	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1216	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1216	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A1216	R164105A	BIG DATA ANALYTICS	S	3
16VV1A1216	R164105C	MOBILE COMPUTING	S	3
16VV1A1216	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1216	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1216	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1216	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1217	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1217	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1217	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1217	R164105C	MOBILE COMPUTING	A	3
16VV1A1217	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1217	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1217	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1217	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1218	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1218	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1218	R164105A	BIG DATA ANALYTICS	B	3
16VV1A1218	R164105C	MOBILE COMPUTING	S	3
16VV1A1218	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1218	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1218	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1218	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2

Htno	Subcode	Subname	Grade	Credits
16VV1A1219	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1219	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1219	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1219	R164105C	MOBILE COMPUTING	S	3
16VV1A1219	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1219	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1219	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1219	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1220	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1220	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A1220	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1220	R164105C	MOBILE COMPUTING	S	3
16VV1A1220	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1220	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1220	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1220	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1221	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1221	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A1221	R164105A	BIG DATA ANALYTICS	S	3
16VV1A1221	R164105C	MOBILE COMPUTING	O	3
16VV1A1221	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1221	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1221	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1221	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1223	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A1223	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	C	3
16VV1A1223	R164105A	BIG DATA ANALYTICS	B	3
16VV1A1223	R164105C	MOBILE COMPUTING	A	3
16VV1A1223	R164105E	SOFTWARE PROJECT MANAGEMENT	C	3
16VV1A1223	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	A	3
16VV1A1223	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1223	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1224	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1224	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1224	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1224	R164105C	MOBILE COMPUTING	S	3
16VV1A1224	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1224	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1224	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1224	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1225	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1225	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	C	3
16VV1A1225	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1225	R164105C	MOBILE COMPUTING	S	3
16VV1A1225	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1225	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1225	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1225	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1226	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1226	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1226	R164105A	BIG DATA ANALYTICS	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A1226	R164105C	MOBILE COMPUTING	S	3
16VV1A1226	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1226	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	F	0
16VV1A1226	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1226	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1227	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1227	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1227	R164105A	BIG DATA ANALYTICS	S	3
16VV1A1227	R164105C	MOBILE COMPUTING	O	3
16VV1A1227	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1227	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1227	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1227	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1228	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A1228	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1228	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1228	R164105C	MOBILE COMPUTING	O	3
16VV1A1228	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1228	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1228	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1228	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1229	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	B	3
16VV1A1229	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	C	3
16VV1A1229	R164105A	BIG DATA ANALYTICS	B	3
16VV1A1229	R164105C	MOBILE COMPUTING	S	3
16VV1A1229	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1229	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1229	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1229	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1230	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1230	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A1230	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1230	R164105C	MOBILE COMPUTING	O	3
16VV1A1230	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1230	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1230	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1230	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1231	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1231	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A1231	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1231	R164105C	MOBILE COMPUTING	O	3
16VV1A1231	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1231	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1231	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1231	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1233	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1233	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1233	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1233	R164105C	MOBILE COMPUTING	S	3
16VV1A1233	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1233	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3

Htno	Subcode	Subname	Grade	Credits
16VV1A1233	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1233	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1234	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1234	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1234	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1234	R164105C	MOBILE COMPUTING	S	3
16VV1A1234	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1234	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1234	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1234	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1235	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1235	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A1235	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1235	R164105C	MOBILE COMPUTING	S	3
16VV1A1235	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1235	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1235	R1641127	MOBILE COMPUTING LAB	S	2
16VV1A1235	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1236	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A1236	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A1236	R164105A	BIG DATA ANALYTICS	B	3
16VV1A1236	R164105C	MOBILE COMPUTING	S	3
16VV1A1236	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1236	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1236	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1236	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1237	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1237	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A1237	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1237	R164105C	MOBILE COMPUTING	O	3
16VV1A1237	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1237	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1237	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1237	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1239	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1239	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1239	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1239	R164105C	MOBILE COMPUTING	S	3
16VV1A1239	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1239	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1239	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1239	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1241	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1241	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1241	R164105A	BIG DATA ANALYTICS	S	3
16VV1A1241	R164105C	MOBILE COMPUTING	S	3
16VV1A1241	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1241	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1241	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1241	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1243	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3

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16VV1A1243	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1243	R164105A	BIG DATA ANALYTICS	S	3
16VV1A1243	R164105C	MOBILE COMPUTING	S	3
16VV1A1243	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1243	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1243	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1243	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1244	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1244	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1244	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1244	R164105C	MOBILE COMPUTING	S	3
16VV1A1244	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1244	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1244	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1244	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1245	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1245	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1245	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1245	R164105C	MOBILE COMPUTING	S	3
16VV1A1245	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1245	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1245	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1245	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1246	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1246	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A1246	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1246	R164105C	MOBILE COMPUTING	O	3
16VV1A1246	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1246	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1246	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1246	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1247	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1247	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1247	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1247	R164105C	MOBILE COMPUTING	S	3
16VV1A1247	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1247	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	A	3
16VV1A1247	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1247	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1248	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1248	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1248	R164105A	BIG DATA ANALYTICS	S	3
16VV1A1248	R164105C	MOBILE COMPUTING	S	3
16VV1A1248	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1248	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1248	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1248	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1249	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
16VV1A1249	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1249	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1249	R164105C	MOBILE COMPUTING	S	3

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16VV1A1249	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1249	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1249	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1249	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1250	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1250	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A1250	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1250	R164105C	MOBILE COMPUTING	O	3
16VV1A1250	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1250	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1250	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1250	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1251	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1251	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	D	3
16VV1A1251	R164105A	BIG DATA ANALYTICS	B	3
16VV1A1251	R164105C	MOBILE COMPUTING	S	3
16VV1A1251	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1251	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	A	3
16VV1A1251	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1251	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1252	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1252	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A1252	R164105A	BIG DATA ANALYTICS	B	3
16VV1A1252	R164105C	MOBILE COMPUTING	A	3
16VV1A1252	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1252	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1252	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1252	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1253	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1253	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1253	R164105A	BIG DATA ANALYTICS	B	3
16VV1A1253	R164105C	MOBILE COMPUTING	S	3
16VV1A1253	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1253	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
16VV1A1253	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1253	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1254	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1254	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
16VV1A1254	R164105A	BIG DATA ANALYTICS	B	3
16VV1A1254	R164105C	MOBILE COMPUTING	O	3
16VV1A1254	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
16VV1A1254	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1254	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1254	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1255	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1255	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A1255	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1255	R164105C	MOBILE COMPUTING	S	3
16VV1A1255	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1255	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1255	R1641127	MOBILE COMPUTING LAB	S	2

Htno	Subcode	Subname	Grade	Credits
16VV1A1255	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A1257	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
16VV1A1257	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
16VV1A1257	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1257	R164105C	MOBILE COMPUTING	S	3
16VV1A1257	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1257	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1257	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1257	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
16VV1A1258	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
16VV1A1258	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	S	3
16VV1A1258	R164105A	BIG DATA ANALYTICS	A	3
16VV1A1258	R164105C	MOBILE COMPUTING	S	3
16VV1A1258	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
16VV1A1258	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
16VV1A1258	R1641127	MOBILE COMPUTING LAB	O	2
16VV1A1258	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
16VV1A3101	R1641311	PROCESS MODELLING	A	3
16VV1A3101	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3101	R1641313	CERAMIC MATERIALS	B	3
16VV1A3101	R1641314	POWDER METALLURGY	B	3
16VV1A3101	R1641315C	LIGHT METALS AND ALLOYS	B	3
16VV1A3101	R1641316B	METALLURGICAL FAILURE ANALYSIS	A	3
16VV1A3101	R1641317	PROCESS MODELLING LAB	B	2
16VV1A3101	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2
16VV1A3102	R1641311	PROCESS MODELLING	B	3
16VV1A3102	R1641312	ELECTRO METALLURGY AND CORROSION	B	3
16VV1A3102	R1641313	CERAMIC MATERIALS	B	3
16VV1A3102	R1641314	POWDER METALLURGY	D	3
16VV1A3102	R1641315C	LIGHT METALS AND ALLOYS	B	3
16VV1A3102	R1641316B	METALLURGICAL FAILURE ANALYSIS	A	3
16VV1A3102	R1641317	PROCESS MODELLING LAB	B	2
16VV1A3102	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2
16VV1A3103	R1641311	PROCESS MODELLING	A	3
16VV1A3103	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3103	R1641313	CERAMIC MATERIALS	A	3
16VV1A3103	R1641314	POWDER METALLURGY	B	3
16VV1A3103	R1641315C	LIGHT METALS AND ALLOYS	A	3
16VV1A3103	R1641316B	METALLURGICAL FAILURE ANALYSIS	A	3
16VV1A3103	R1641317	PROCESS MODELLING LAB	B	2
16VV1A3103	R1641318	ELECTRO METALLURGY AND CORROSION LAB	A	2
16VV1A3105	R1641311	PROCESS MODELLING	B	3
16VV1A3105	R1641312	ELECTRO METALLURGY AND CORROSION	B	3
16VV1A3105	R1641313	CERAMIC MATERIALS	B	3
16VV1A3105	R1641314	POWDER METALLURGY	C	3
16VV1A3105	R1641315C	LIGHT METALS AND ALLOYS	B	3
16VV1A3105	R1641316B	METALLURGICAL FAILURE ANALYSIS	A	3
16VV1A3105	R1641317	PROCESS MODELLING LAB	A	2
16VV1A3105	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2
16VV1A3106	R1641311	PROCESS MODELLING	C	3
16VV1A3106	R1641312	ELECTRO METALLURGY AND CORROSION	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A3106	R1641313	CERAMIC MATERIALS	B	3
16VV1A3106	R1641314	POWDER METALLURGY	B	3
16VV1A3106	R1641315C	LIGHT METALS AND ALLOYS	A	3
16VV1A3106	R1641316B	METALLURGICAL FAILURE ANALYSIS	S	3
16VV1A3106	R1641317	PROCESS MODELLING LAB	A	2
16VV1A3106	R1641318	ELECTRO METALLURGY AND CORROSION LAB	A	2
16VV1A3107	R1641311	PROCESS MODELLING	A	3
16VV1A3107	R1641312	ELECTRO METALLURGY AND CORROSION	S	3
16VV1A3107	R1641313	CERAMIC MATERIALS	A	3
16VV1A3107	R1641314	POWDER METALLURGY	A	3
16VV1A3107	R1641315C	LIGHT METALS AND ALLOYS	A	3
16VV1A3107	R1641316B	METALLURGICAL FAILURE ANALYSIS	O	3
16VV1A3107	R1641317	PROCESS MODELLING LAB	A	2
16VV1A3107	R1641318	ELECTRO METALLURGY AND CORROSION LAB	A	2
16VV1A3108	R1641311	PROCESS MODELLING	A	3
16VV1A3108	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3108	R1641313	CERAMIC MATERIALS	A	3
16VV1A3108	R1641314	POWDER METALLURGY	B	3
16VV1A3108	R1641315C	LIGHT METALS AND ALLOYS	A	3
16VV1A3108	R1641316B	METALLURGICAL FAILURE ANALYSIS	O	3
16VV1A3108	R1641317	PROCESS MODELLING LAB	B	2
16VV1A3108	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2
16VV1A3109	R1641311	PROCESS MODELLING	A	3
16VV1A3109	R1641312	ELECTRO METALLURGY AND CORROSION	B	3
16VV1A3109	R1641313	CERAMIC MATERIALS	B	3
16VV1A3109	R1641314	POWDER METALLURGY	B	3
16VV1A3109	R1641315C	LIGHT METALS AND ALLOYS	S	3
16VV1A3109	R1641316B	METALLURGICAL FAILURE ANALYSIS	O	3
16VV1A3109	R1641317	PROCESS MODELLING LAB	A	2
16VV1A3109	R1641318	ELECTRO METALLURGY AND CORROSION LAB	A	2
16VV1A3111	R1641311	PROCESS MODELLING	S	3
16VV1A3111	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3111	R1641313	CERAMIC MATERIALS	S	3
16VV1A3111	R1641314	POWDER METALLURGY	S	3
16VV1A3111	R1641315C	LIGHT METALS AND ALLOYS	S	3
16VV1A3111	R1641316B	METALLURGICAL FAILURE ANALYSIS	O	3
16VV1A3111	R1641317	PROCESS MODELLING LAB	A	2
16VV1A3111	R1641318	ELECTRO METALLURGY AND CORROSION LAB	A	2
16VV1A3112	R1641311	PROCESS MODELLING	S	3
16VV1A3112	R1641312	ELECTRO METALLURGY AND CORROSION	B	3
16VV1A3112	R1641313	CERAMIC MATERIALS	A	3
16VV1A3112	R1641314	POWDER METALLURGY	A	3
16VV1A3112	R1641315C	LIGHT METALS AND ALLOYS	S	3
16VV1A3112	R1641316B	METALLURGICAL FAILURE ANALYSIS	S	3
16VV1A3112	R1641317	PROCESS MODELLING LAB	A	2
16VV1A3112	R1641318	ELECTRO METALLURGY AND CORROSION LAB	A	2
16VV1A3113	R1641311	PROCESS MODELLING	B	3
16VV1A3113	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3113	R1641313	CERAMIC MATERIALS	B	3
16VV1A3113	R1641314	POWDER METALLURGY	C	3
16VV1A3113	R1641315C	LIGHT METALS AND ALLOYS	D	3

Htno	Subcode	Subname	Grade	Credits
16VV1A3113	R1641316B	METALLURGICAL FAILURE ANALYSIS	A	3
16VV1A3113	R1641317	PROCESS MODELLING LAB	B	2
16VV1A3113	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2
16VV1A3114	R1641311	PROCESS MODELLING	B	3
16VV1A3114	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3114	R1641313	CERAMIC MATERIALS	A	3
16VV1A3114	R1641314	POWDER METALLURGY	B	3
16VV1A3114	R1641315C	LIGHT METALS AND ALLOYS	A	3
16VV1A3114	R1641316B	METALLURGICAL FAILURE ANALYSIS	S	3
16VV1A3114	R1641317	PROCESS MODELLING LAB	B	2
16VV1A3114	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2
16VV1A3115	R1641311	PROCESS MODELLING	A	3
16VV1A3115	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3115	R1641313	CERAMIC MATERIALS	B	3
16VV1A3115	R1641314	POWDER METALLURGY	A	3
16VV1A3115	R1641315C	LIGHT METALS AND ALLOYS	A	3
16VV1A3115	R1641316B	METALLURGICAL FAILURE ANALYSIS	O	3
16VV1A3115	R1641317	PROCESS MODELLING LAB	B	2
16VV1A3115	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2
16VV1A3116	R1641311	PROCESS MODELLING	S	3
16VV1A3116	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3116	R1641313	CERAMIC MATERIALS	A	3
16VV1A3116	R1641314	POWDER METALLURGY	B	3
16VV1A3116	R1641315C	LIGHT METALS AND ALLOYS	A	3
16VV1A3116	R1641316B	METALLURGICAL FAILURE ANALYSIS	S	3
16VV1A3116	R1641317	PROCESS MODELLING LAB	A	2
16VV1A3116	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2
16VV1A3117	R1641311	PROCESS MODELLING	B	3
16VV1A3117	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3117	R1641313	CERAMIC MATERIALS	C	3
16VV1A3117	R1641314	POWDER METALLURGY	C	3
16VV1A3117	R1641315C	LIGHT METALS AND ALLOYS	B	3
16VV1A3117	R1641316B	METALLURGICAL FAILURE ANALYSIS	A	3
16VV1A3117	R1641317	PROCESS MODELLING LAB	B	2
16VV1A3117	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2
16VV1A3118	R1641311	PROCESS MODELLING	A	3
16VV1A3118	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3118	R1641313	CERAMIC MATERIALS	A	3
16VV1A3118	R1641314	POWDER METALLURGY	A	3
16VV1A3118	R1641315C	LIGHT METALS AND ALLOYS	A	3
16VV1A3118	R1641316B	METALLURGICAL FAILURE ANALYSIS	O	3
16VV1A3118	R1641317	PROCESS MODELLING LAB	A	2
16VV1A3118	R1641318	ELECTRO METALLURGY AND CORROSION LAB	A	2
16VV1A3119	R1641311	PROCESS MODELLING	A	3
16VV1A3119	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3119	R1641313	CERAMIC MATERIALS	C	3
16VV1A3119	R1641314	POWDER METALLURGY	B	3
16VV1A3119	R1641315C	LIGHT METALS AND ALLOYS	B	3
16VV1A3119	R1641316B	METALLURGICAL FAILURE ANALYSIS	O	3
16VV1A3119	R1641317	PROCESS MODELLING LAB	A	2
16VV1A3119	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2

Htno	Subcode	Subname	Grade	Credits
16VV1A3120	R1641311	PROCESS MODELLING	C	3
16VV1A3120	R1641312	ELECTRO METALLURGY AND CORROSION	B	3
16VV1A3120	R1641313	CERAMIC MATERIALS	B	3
16VV1A3120	R1641314	POWDER METALLURGY	D	3
16VV1A3120	R1641315C	LIGHT METALS AND ALLOYS	B	3
16VV1A3120	R1641316B	METALLURGICAL FAILURE ANALYSIS	B	3
16VV1A3120	R1641317	PROCESS MODELLING LAB	B	2
16VV1A3120	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2
16VV1A3121	R1641311	PROCESS MODELLING	S	3
16VV1A3121	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3121	R1641313	CERAMIC MATERIALS	S	3
16VV1A3121	R1641314	POWDER METALLURGY	S	3
16VV1A3121	R1641315C	LIGHT METALS AND ALLOYS	S	3
16VV1A3121	R1641316B	METALLURGICAL FAILURE ANALYSIS	O	3
16VV1A3121	R1641317	PROCESS MODELLING LAB	A	2
16VV1A3121	R1641318	ELECTRO METALLURGY AND CORROSION LAB	A	2
16VV1A3122	R1641311	PROCESS MODELLING	A	3
16VV1A3122	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3122	R1641313	CERAMIC MATERIALS	A	3
16VV1A3122	R1641314	POWDER METALLURGY	A	3
16VV1A3122	R1641315C	LIGHT METALS AND ALLOYS	S	3
16VV1A3122	R1641316B	METALLURGICAL FAILURE ANALYSIS	S	3
16VV1A3122	R1641317	PROCESS MODELLING LAB	A	2
16VV1A3122	R1641318	ELECTRO METALLURGY AND CORROSION LAB	A	2
16VV1A3123	R1641311	PROCESS MODELLING	A	3
16VV1A3123	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3123	R1641313	CERAMIC MATERIALS	A	3
16VV1A3123	R1641314	POWDER METALLURGY	B	3
16VV1A3123	R1641315C	LIGHT METALS AND ALLOYS	C	3
16VV1A3123	R1641316B	METALLURGICAL FAILURE ANALYSIS	A	3
16VV1A3123	R1641317	PROCESS MODELLING LAB	B	2
16VV1A3123	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2
16VV1A3125	R1641311	PROCESS MODELLING	S	3
16VV1A3125	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
16VV1A3125	R1641313	CERAMIC MATERIALS	S	3
16VV1A3125	R1641314	POWDER METALLURGY	B	3
16VV1A3125	R1641315C	LIGHT METALS AND ALLOYS	S	3
16VV1A3125	R1641316B	METALLURGICAL FAILURE ANALYSIS	S	3
16VV1A3125	R1641317	PROCESS MODELLING LAB	A	2
16VV1A3125	R1641318	ELECTRO METALLURGY AND CORROSION LAB	A	2
17VV5A0131	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
17VV5A0131	R1641012	WATER RESOURCE ENGINEERING - II	B	3
17VV5A0131	R1641013	GEOTECHNICAL ENGINEERING - II	S	3
17VV5A0131	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
17VV5A0131	R1641017	GIS & CAD LAB	C	2
17VV5A0131	R1641018	IRRIGATION DESIGN & DRAWING	O	2
17VV5A0131	R164101B	GROUND IMPROVEMENT TECHNIQUES	A	3
17VV5A0131	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	A	3
17VV5A0132	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
17VV5A0132	R1641012	WATER RESOURCE ENGINEERING - II	S	3
17VV5A0132	R1641013	GEOTECHNICAL ENGINEERING - II	A	3

Htno	Subcode	Subname	Grade	Credits
17VV5A0132	R1641014	REMOTE SENSING & GIS APPLICATIONS	A	3
17VV5A0132	R1641017	GIS & CAD LAB	S	2
17VV5A0132	R1641018	IRRIGATION DESIGN & DRAWING	O	2
17VV5A0132	R164101B	GROUND IMPROVEMENT TECHNIQUES	C	3
17VV5A0132	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	S	3
17VV5A0133	R1641011	ENVIRONMENTAL ENGINEERING - II	C	3
17VV5A0133	R1641012	WATER RESOURCE ENGINEERING - II	A	3
17VV5A0133	R1641013	GEOTECHNICAL ENGINEERING - II	B	3
17VV5A0133	R1641014	REMOTE SENSING & GIS APPLICATIONS	B	3
17VV5A0133	R1641017	GIS & CAD LAB	S	2
17VV5A0133	R1641018	IRRIGATION DESIGN & DRAWING	O	2
17VV5A0133	R164101B	GROUND IMPROVEMENT TECHNIQUES	B	3
17VV5A0133	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	A	3
17VV5A0134	R1641011	ENVIRONMENTAL ENGINEERING - II	A	3
17VV5A0134	R1641012	WATER RESOURCE ENGINEERING - II	B	3
17VV5A0134	R1641013	GEOTECHNICAL ENGINEERING - II	A	3
17VV5A0134	R1641014	REMOTE SENSING & GIS APPLICATIONS	B	3
17VV5A0134	R1641017	GIS & CAD LAB	C	2
17VV5A0134	R1641018	IRRIGATION DESIGN & DRAWING	O	2
17VV5A0134	R164101B	GROUND IMPROVEMENT TECHNIQUES	C	3
17VV5A0134	R164101H	ENVIRONMENTAL IMPACT ASSESSMENT & MANAGE	A	3
17VV5A0261	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
17VV5A0261	R1641022	LINEAR IC APPLICATIONS	B	3
17VV5A0261	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
17VV5A0261	R1641024	SWITCHGEAR AND PROTECTION	B	3
17VV5A0261	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
17VV5A0261	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
17VV5A0261	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
17VV5A0261	R164102G	SPECIAL ELECTRICAL MACHINES	C	3
17VV5A0262	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
17VV5A0262	R1641022	LINEAR IC APPLICATIONS	B	3
17VV5A0262	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
17VV5A0262	R1641024	SWITCHGEAR AND PROTECTION	B	3
17VV5A0262	R1641027	ELECTRICAL SIMULATION LABORATORY	O	2
17VV5A0262	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	O	2
17VV5A0262	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
17VV5A0262	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
17VV5A0263	R1641021	UTILIZATION OF ELECTRICAL ENERGY	O	3
17VV5A0263	R1641022	LINEAR IC APPLICATIONS	A	3
17VV5A0263	R1641023	POWER SYSTEM OPERATION & CONTROL	S	3
17VV5A0263	R1641024	SWITCHGEAR AND PROTECTION	A	3
17VV5A0263	R1641027	ELECTRICAL SIMULATION LABORATORY	O	2
17VV5A0263	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	O	2
17VV5A0263	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
17VV5A0263	R164102G	SPECIAL ELECTRICAL MACHINES	S	3
17VV5A0264	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
17VV5A0264	R1641022	LINEAR IC APPLICATIONS	A	3
17VV5A0264	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
17VV5A0264	R1641024	SWITCHGEAR AND PROTECTION	A	3
17VV5A0264	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
17VV5A0264	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2

Htno	Subcode	Subname	Grade	Credits
17VV5A0264	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
17VV5A0264	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
17VV5A0265	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
17VV5A0265	R1641022	LINEAR IC APPLICATIONS	D	3
17VV5A0265	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
17VV5A0265	R1641024	SWITCHGEAR AND PROTECTION	D	3
17VV5A0265	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
17VV5A0265	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
17VV5A0265	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	B	3
17VV5A0265	R164102G	SPECIAL ELECTRICAL MACHINES	C	3
17VV5A0266	R1641021	UTILIZATION OF ELECTRICAL ENERGY	C	3
17VV5A0266	R1641022	LINEAR IC APPLICATIONS	F	0
17VV5A0266	R1641023	POWER SYSTEM OPERATION & CONTROL	F	0
17VV5A0266	R1641024	SWITCHGEAR AND PROTECTION	D	3
17VV5A0266	R1641027	ELECTRICAL SIMULATION LABORATORY	B	2
17VV5A0266	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	B	2
17VV5A0266	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	D	3
17VV5A0266	R164102G	SPECIAL ELECTRICAL MACHINES	F	0
17VV5A0267	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
17VV5A0267	R1641022	LINEAR IC APPLICATIONS	C	3
17VV5A0267	R1641023	POWER SYSTEM OPERATION & CONTROL	C	3
17VV5A0267	R1641024	SWITCHGEAR AND PROTECTION	B	3
17VV5A0267	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
17VV5A0267	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
17VV5A0267	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	D	3
17VV5A0267	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
17VV5A0268	R1641021	UTILIZATION OF ELECTRICAL ENERGY	O	3
17VV5A0268	R1641022	LINEAR IC APPLICATIONS	O	3
17VV5A0268	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
17VV5A0268	R1641024	SWITCHGEAR AND PROTECTION	B	3
17VV5A0268	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
17VV5A0268	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
17VV5A0268	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
17VV5A0268	R164102G	SPECIAL ELECTRICAL MACHINES	S	3
17VV5A0269	R1641021	UTILIZATION OF ELECTRICAL ENERGY	A	3
17VV5A0269	R1641022	LINEAR IC APPLICATIONS	F	0
17VV5A0269	R1641023	POWER SYSTEM OPERATION & CONTROL	D	3
17VV5A0269	R1641024	SWITCHGEAR AND PROTECTION	B	3
17VV5A0269	R1641027	ELECTRICAL SIMULATION LABORATORY	A	2
17VV5A0269	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	A	2
17VV5A0269	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	D	3
17VV5A0269	R164102G	SPECIAL ELECTRICAL MACHINES	C	3
17VV5A0270	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3
17VV5A0270	R1641022	LINEAR IC APPLICATIONS	A	3
17VV5A0270	R1641023	POWER SYSTEM OPERATION & CONTROL	A	3
17VV5A0270	R1641024	SWITCHGEAR AND PROTECTION	C	3
17VV5A0270	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
17VV5A0270	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	S	2
17VV5A0270	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	A	3
17VV5A0270	R164102G	SPECIAL ELECTRICAL MACHINES	A	3
17VV5A0271	R1641021	UTILIZATION OF ELECTRICAL ENERGY	S	3

Htno	Subcode	Subname	Grade	Credits
17VV5A0271	R1641022	LINEAR IC APPLICATIONS	C	3
17VV5A0271	R1641023	POWER SYSTEM OPERATION & CONTROL	B	3
17VV5A0271	R1641024	SWITCHGEAR AND PROTECTION	D	3
17VV5A0271	R1641027	ELECTRICAL SIMULATION LABORATORY	S	2
17VV5A0271	R1641028	POWER SYSTEMS & SIMULATION LABORATORY	O	2
17VV5A0271	R164102A	ELECTRICAL MACHINE MODELING AND ANALYSIS	C	3
17VV5A0271	R164102G	SPECIAL ELECTRICAL MACHINES	B	3
17VV5A0361	R1641031	MECHATRONICS	A	3
17VV5A0361	R1641032	CAD/CAM	B	3
17VV5A0361	R1641033	FINITE ELEMENT METHODS	C	3
17VV5A0361	R1641034	POWER PLANT ENGINEERING	A	3
17VV5A0361	R1641037	CAD/CAM LAB	O	2
17VV5A0361	R1641038	MECHATRONICS LAB	O	2
17VV5A0361	R164103C	ADDITIVE MANUFACTURING	A	3
17VV5A0361	R164103E	DESIGN FOR MANUFACTURE	A	3
17VV5A0362	R1641031	MECHATRONICS	A	3
17VV5A0362	R1641032	CAD/CAM	B	3
17VV5A0362	R1641033	FINITE ELEMENT METHODS	B	3
17VV5A0362	R1641034	POWER PLANT ENGINEERING	B	3
17VV5A0362	R1641037	CAD/CAM LAB	O	2
17VV5A0362	R1641038	MECHATRONICS LAB	O	2
17VV5A0362	R164103C	ADDITIVE MANUFACTURING	B	3
17VV5A0362	R164103E	DESIGN FOR MANUFACTURE	B	3
17VV5A0363	R1641031	MECHATRONICS	A	3
17VV5A0363	R1641032	CAD/CAM	A	3
17VV5A0363	R1641033	FINITE ELEMENT METHODS	B	3
17VV5A0363	R1641034	POWER PLANT ENGINEERING	S	3
17VV5A0363	R1641037	CAD/CAM LAB	O	2
17VV5A0363	R1641038	MECHATRONICS LAB	O	2
17VV5A0363	R164103C	ADDITIVE MANUFACTURING	B	3
17VV5A0363	R164103E	DESIGN FOR MANUFACTURE	B	3
17VV5A0364	R1641031	MECHATRONICS	B	3
17VV5A0364	R1641032	CAD/CAM	B	3
17VV5A0364	R1641033	FINITE ELEMENT METHODS	D	3
17VV5A0364	R1641034	POWER PLANT ENGINEERING	B	3
17VV5A0364	R1641037	CAD/CAM LAB	O	2
17VV5A0364	R1641038	MECHATRONICS LAB	O	2
17VV5A0364	R164103C	ADDITIVE MANUFACTURING	B	3
17VV5A0364	R164103E	DESIGN FOR MANUFACTURE	B	3
17VV5A0365	R1641031	MECHATRONICS	B	3
17VV5A0365	R1641032	CAD/CAM	A	3
17VV5A0365	R1641033	FINITE ELEMENT METHODS	C	3
17VV5A0365	R1641034	POWER PLANT ENGINEERING	B	3
17VV5A0365	R1641037	CAD/CAM LAB	O	2
17VV5A0365	R1641038	MECHATRONICS LAB	O	2
17VV5A0365	R164103C	ADDITIVE MANUFACTURING	B	3
17VV5A0365	R164103E	DESIGN FOR MANUFACTURE	B	3
17VV5A0366	R1641031	MECHATRONICS	A	3
17VV5A0366	R1641032	CAD/CAM	A	3
17VV5A0366	R1641033	FINITE ELEMENT METHODS	A	3
17VV5A0366	R1641034	POWER PLANT ENGINEERING	B	3

Htno	Subcode	Subname	Grade	Credits
17VV5A0366	R1641037	CAD/CAM LAB	O	2
17VV5A0366	R1641038	MECHATRONICS LAB	O	2
17VV5A0366	R164103C	ADDITIVE MANUFACTURING	B	3
17VV5A0366	R164103E	DESIGN FOR MANUFACTURE	A	3
17VV5A0461	R1641041	RADAR SYSTEMS	S	3
17VV5A0461	R1641042	DIGITAL IMAGE PROCESSING	B	3
17VV5A0461	R1641043	COMPUTER NETWORKS	B	3
17VV5A0461	R1641044	OPTICAL COMMUNICATIONS	A	3
17VV5A0461	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
17VV5A0461	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
17VV5A0461	R164104B	ELECTRONIC SWITCHING SYSTEMS	A	3
17VV5A0461	R164104D	EMBEDDED SYSTEMS	B	3
17VV5A0462	R1641041	RADAR SYSTEMS	B	3
17VV5A0462	R1641042	DIGITAL IMAGE PROCESSING	C	3
17VV5A0462	R1641043	COMPUTER NETWORKS	D	3
17VV5A0462	R1641044	OPTICAL COMMUNICATIONS	D	3
17VV5A0462	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	A	2
17VV5A0462	R1641048	DIGITAL SIGNAL PROCESSING LAB	A	2
17VV5A0462	R164104B	ELECTRONIC SWITCHING SYSTEMS	D	3
17VV5A0462	R164104D	EMBEDDED SYSTEMS	C	3
17VV5A0463	R1641041	RADAR SYSTEMS	A	3
17VV5A0463	R1641042	DIGITAL IMAGE PROCESSING	B	3
17VV5A0463	R1641043	COMPUTER NETWORKS	C	3
17VV5A0463	R1641044	OPTICAL COMMUNICATIONS	B	3
17VV5A0463	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
17VV5A0463	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
17VV5A0463	R164104B	ELECTRONIC SWITCHING SYSTEMS	C	3
17VV5A0463	R164104D	EMBEDDED SYSTEMS	B	3
17VV5A0464	R1641041	RADAR SYSTEMS	B	3
17VV5A0464	R1641042	DIGITAL IMAGE PROCESSING	B	3
17VV5A0464	R1641043	COMPUTER NETWORKS	C	3
17VV5A0464	R1641044	OPTICAL COMMUNICATIONS	C	3
17VV5A0464	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
17VV5A0464	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
17VV5A0464	R164104B	ELECTRONIC SWITCHING SYSTEMS	D	3
17VV5A0464	R164104D	EMBEDDED SYSTEMS	B	3
17VV5A0465	R1641041	RADAR SYSTEMS	A	3
17VV5A0465	R1641042	DIGITAL IMAGE PROCESSING	B	3
17VV5A0465	R1641043	COMPUTER NETWORKS	B	3
17VV5A0465	R1641044	OPTICAL COMMUNICATIONS	C	3
17VV5A0465	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	S	2
17VV5A0465	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
17VV5A0465	R164104B	ELECTRONIC SWITCHING SYSTEMS	B	3
17VV5A0465	R164104D	EMBEDDED SYSTEMS	B	3
17VV5A0466	R1641041	RADAR SYSTEMS	F	0
17VV5A0466	R1641042	DIGITAL IMAGE PROCESSING	F	0
17VV5A0466	R1641043	COMPUTER NETWORKS	F	0
17VV5A0466	R1641044	OPTICAL COMMUNICATIONS	F	0
17VV5A0466	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
17VV5A0466	R1641048	DIGITAL SIGNAL PROCESSING LAB	S	2
17VV5A0466	R164104B	ELECTRONIC SWITCHING SYSTEMS	F	0

Htno	Subcode	Subname	Grade	Credits
17VV5A0466	R164104D	EMBEDDED SYSTEMS	C	3
17VV5A0467	R1641041	RADAR SYSTEMS	B	3
17VV5A0467	R1641042	DIGITAL IMAGE PROCESSING	C	3
17VV5A0467	R1641043	COMPUTER NETWORKS	C	3
17VV5A0467	R1641044	OPTICAL COMMUNICATIONS	B	3
17VV5A0467	R1641047	MICRO WAVE ENGINEERING & OPTICAL LAB	O	2
17VV5A0467	R1641048	DIGITAL SIGNAL PROCESSING LAB	O	2
17VV5A0467	R164104B	ELECTRONIC SWITCHING SYSTEMS	D	3
17VV5A0467	R164104D	EMBEDDED SYSTEMS	B	3
17VV5A0561	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	C	3
17VV5A0561	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3
17VV5A0561	R1641053	WEB TECHNOLOGIES	A	3
17VV5A0561	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
17VV5A0561	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
17VV5A0561	R1641058	WEB TECHNOLOGIES LAB	O	2
17VV5A0561	R164105A	BIG DATA ANALYTICS	B	3
17VV5A0561	R164105D	CLOUD COMPUTING	B	3
17VV5A0562	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	C	3
17VV5A0562	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
17VV5A0562	R1641053	WEB TECHNOLOGIES	C	3
17VV5A0562	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
17VV5A0562	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
17VV5A0562	R1641058	WEB TECHNOLOGIES LAB	O	2
17VV5A0562	R164105A	BIG DATA ANALYTICS	A	3
17VV5A0562	R164105D	CLOUD COMPUTING	C	3
17VV5A0563	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
17VV5A0563	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	C	3
17VV5A0563	R1641053	WEB TECHNOLOGIES	A	3
17VV5A0563	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
17VV5A0563	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
17VV5A0563	R1641058	WEB TECHNOLOGIES LAB	O	2
17VV5A0563	R164105A	BIG DATA ANALYTICS	A	3
17VV5A0563	R164105D	CLOUD COMPUTING	B	3
17VV5A0564	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	B	3
17VV5A0564	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
17VV5A0564	R1641053	WEB TECHNOLOGIES	B	3
17VV5A0564	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
17VV5A0564	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
17VV5A0564	R1641058	WEB TECHNOLOGIES LAB	S	2
17VV5A0564	R164105A	BIG DATA ANALYTICS	B	3
17VV5A0564	R164105D	CLOUD COMPUTING	B	3
17VV5A0565	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	F	0
17VV5A0565	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	D	3
17VV5A0565	R1641053	WEB TECHNOLOGIES	B	3
17VV5A0565	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	D	3
17VV5A0565	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
17VV5A0565	R1641058	WEB TECHNOLOGIES LAB	O	2
17VV5A0565	R164105A	BIG DATA ANALYTICS	C	3
17VV5A0565	R164105D	CLOUD COMPUTING	F	0
17VV5A0566	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
17VV5A0566	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	A	3

Htno	Subcode	Subname	Grade	Credits
17VV5A0566	R1641053	WEB TECHNOLOGIES	B	3
17VV5A0566	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
17VV5A0566	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
17VV5A0566	R1641058	WEB TECHNOLOGIES LAB	O	2
17VV5A0566	R164105A	BIG DATA ANALYTICS	B	3
17VV5A0566	R164105D	CLOUD COMPUTING	C	3
17VV5A0567	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	C	3
17VV5A0567	R1641052	SOFTWARE ARCHITECTURE & DESIGN PATTERNS	B	3
17VV5A0567	R1641053	WEB TECHNOLOGIES	B	3
17VV5A0567	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	C	3
17VV5A0567	R1641057	SOFTWARE ARCHITECTURE& DESIGN PATTERNS L	O	2
17VV5A0567	R1641058	WEB TECHNOLOGIES LAB	O	2
17VV5A0567	R164105A	BIG DATA ANALYTICS	B	3
17VV5A0567	R164105D	CLOUD COMPUTING	C	3
17VV5A1261	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
17VV5A1261	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
17VV5A1261	R164105A	BIG DATA ANALYTICS	A	3
17VV5A1261	R164105C	MOBILE COMPUTING	S	3
17VV5A1261	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
17VV5A1261	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
17VV5A1261	R1641127	MOBILE COMPUTING LAB	S	2
17VV5A1261	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
17VV5A1262	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
17VV5A1262	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
17VV5A1262	R164105A	BIG DATA ANALYTICS	B	3
17VV5A1262	R164105C	MOBILE COMPUTING	S	3
17VV5A1262	R164105E	SOFTWARE PROJECT MANAGEMENT	C	3
17VV5A1262	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	A	3
17VV5A1262	R1641127	MOBILE COMPUTING LAB	O	2
17VV5A1262	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
17VV5A1263	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
17VV5A1263	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
17VV5A1263	R164105A	BIG DATA ANALYTICS	A	3
17VV5A1263	R164105C	MOBILE COMPUTING	S	3
17VV5A1263	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
17VV5A1263	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
17VV5A1263	R1641127	MOBILE COMPUTING LAB	O	2
17VV5A1263	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
17VV5A1264	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
17VV5A1264	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
17VV5A1264	R164105A	BIG DATA ANALYTICS	S	3
17VV5A1264	R164105C	MOBILE COMPUTING	S	3
17VV5A1264	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
17VV5A1264	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
17VV5A1264	R1641127	MOBILE COMPUTING LAB	O	2
17VV5A1264	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
17VV5A1265	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	A	3
17VV5A1265	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
17VV5A1265	R164105A	BIG DATA ANALYTICS	B	3
17VV5A1265	R164105C	MOBILE COMPUTING	A	3
17VV5A1265	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3

Htno	Subcode	Subname	Grade	Credits
17VV5A1265	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	A	3
17VV5A1265	R1641127	MOBILE COMPUTING LAB	O	2
17VV5A1265	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
17VV5A1266	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	O	3
17VV5A1266	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
17VV5A1266	R164105A	BIG DATA ANALYTICS	A	3
17VV5A1266	R164105C	MOBILE COMPUTING	O	3
17VV5A1266	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
17VV5A1266	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	O	3
17VV5A1266	R1641127	MOBILE COMPUTING LAB	O	2
17VV5A1266	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
17VV5A1267	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
17VV5A1267	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	B	3
17VV5A1267	R164105A	BIG DATA ANALYTICS	B	3
17VV5A1267	R164105C	MOBILE COMPUTING	A	3
17VV5A1267	R164105E	SOFTWARE PROJECT MANAGEMENT	B	3
17VV5A1267	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	A	3
17VV5A1267	R1641127	MOBILE COMPUTING LAB	S	2
17VV5A1267	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	S	2
17VV5A1268	R1641051	CRYPTOGRAPHY AND NETWORK SECURITY	S	3
17VV5A1268	R1641054	MANAGERIAL ECONOMICS AND FINANCIAL ANALY	A	3
17VV5A1268	R164105A	BIG DATA ANALYTICS	A	3
17VV5A1268	R164105C	MOBILE COMPUTING	S	3
17VV5A1268	R164105E	SOFTWARE PROJECT MANAGEMENT	A	3
17VV5A1268	R1641121	DATA WARE HOUSING AND BUSINESS INTELLIGE	S	3
17VV5A1268	R1641127	MOBILE COMPUTING LAB	O	2
17VV5A1268	R1641128	CRYPTOGRAPHY AND NETWORK SECURITY LAB	O	2
17VV5A3131	R1641311	PROCESS MODELLING	B	3
17VV5A3131	R1641312	ELECTRO METALLURGY AND CORROSION	C	3
17VV5A3131	R1641313	CERAMIC MATERIALS	C	3
17VV5A3131	R1641314	POWDER METALLURGY	C	3
17VV5A3131	R1641315C	LIGHT METALS AND ALLOYS	D	3
17VV5A3131	R1641316B	METALLURGICAL FAILURE ANALYSIS	C	3
17VV5A3131	R1641317	PROCESS MODELLING LAB	B	2
17VV5A3131	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2
17VV5A3132	R1641311	PROCESS MODELLING	C	3
17VV5A3132	R1641312	ELECTRO METALLURGY AND CORROSION	B	3
17VV5A3132	R1641313	CERAMIC MATERIALS	B	3
17VV5A3132	R1641314	POWDER METALLURGY	C	3
17VV5A3132	R1641315C	LIGHT METALS AND ALLOYS	C	3
17VV5A3132	R1641316B	METALLURGICAL FAILURE ANALYSIS	A	3
17VV5A3132	R1641317	PROCESS MODELLING LAB	B	2
17VV5A3132	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2
17VV5A3134	R1641311	PROCESS MODELLING	C	3
17VV5A3134	R1641312	ELECTRO METALLURGY AND CORROSION	C	3
17VV5A3134	R1641313	CERAMIC MATERIALS	F	0
17VV5A3134	R1641314	POWDER METALLURGY	F	0
17VV5A3134	R1641315C	LIGHT METALS AND ALLOYS	F	0
17VV5A3134	R1641316B	METALLURGICAL FAILURE ANALYSIS	F	0
17VV5A3134	R1641317	PROCESS MODELLING LAB	B	2
17VV5A3134	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2

Htno	Subcode	Subname	Grade	Credits
17VV5A3135	R1641311	PROCESS MODELLING	S	3
17VV5A3135	R1641312	ELECTRO METALLURGY AND CORROSION	S	3
17VV5A3135	R1641313	CERAMIC MATERIALS	A	3
17VV5A3135	R1641314	POWDER METALLURGY	A	3
17VV5A3135	R1641315C	LIGHT METALS AND ALLOYS	B	3
17VV5A3135	R1641316B	METALLURGICAL FAILURE ANALYSIS	S	3
17VV5A3135	R1641317	PROCESS MODELLING LAB	A	2
17VV5A3135	R1641318	ELECTRO METALLURGY AND CORROSION LAB	A	2
17VV5A3136	R1641311	PROCESS MODELLING	A	3
17VV5A3136	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
17VV5A3136	R1641313	CERAMIC MATERIALS	S	3
17VV5A3136	R1641314	POWDER METALLURGY	A	3
17VV5A3136	R1641315C	LIGHT METALS AND ALLOYS	S	3
17VV5A3136	R1641316B	METALLURGICAL FAILURE ANALYSIS	O	3
17VV5A3136	R1641317	PROCESS MODELLING LAB	A	2
17VV5A3136	R1641318	ELECTRO METALLURGY AND CORROSION LAB	A	2
17VV5A3137	R1641311	PROCESS MODELLING	A	3
17VV5A3137	R1641312	ELECTRO METALLURGY AND CORROSION	A	3
17VV5A3137	R1641313	CERAMIC MATERIALS	C	3
17VV5A3137	R1641314	POWDER METALLURGY	A	3
17VV5A3137	R1641315C	LIGHT METALS AND ALLOYS	B	3
17VV5A3137	R1641316B	METALLURGICAL FAILURE ANALYSIS	A	3
17VV5A3137	R1641317	PROCESS MODELLING LAB	B	2
17VV5A3137	R1641318	ELECTRO METALLURGY AND CORROSION LAB	B	2

** Note:**

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

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

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



Date:07.02.2020

Controller of Examinations