



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Result of IV B.Tech[VV] [R10] II Semester Regular/Supplementary Examinations April-2016

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

Htno	Subcode	Subname	Internal	External	credits
10VV1A1256	R42056	DIGITAL IMAGE PROCESSING	17	18	0
11VV1A0309	R42039	POWER PLANT ENGINEERING	10	30	4
11VV1A0320	R42031	INTERACTIVE COMPUTER GRAPHICS	22	-1	0
11VV1A0320	R42039	POWER PLANT ENGINEERING	10	-1	0
11VV1A0446	R42041	CELLULAR AND MOBILE COMMUNICATIONS	14	67	4
11VV1A0446	R42043	SATELLITE COMMUNICATIONS	24	42	4
11VV1A0446	R42046	STRUCTURED DIGITAL DESIGN	13	45	4
11VV1A0446	R42049	REAL TIME OPERATING SYSTEMS	10	30	4
11VV1A0446	R4204B	PROJECT	45	142	12
11VV1A1208	R42052	HUMAN COMPUTER INTERACTION	18	29	4
11VV1A1208	R4205D	NEURAL NETWORKS & SOFT COMPUTING	17	36	4
11VV1A1208	R42121	SOFTWARE PROJECT MANAGEMENT	23	47	4
11VV1A1208	R42123	MACHINE LEARNING	18	43	4
11VV1A1208	R42125	PROJECT	41	127	12
12VV1A0201	R42021	DIGITAL CONTROL SYSTEMS	19	56	4
12VV1A0201	R42024	SPECIAL ELECTRICAL MACHINES	14	49	4
12VV1A0201	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	18	42	4
12VV1A0201	R4202A	AI TECHNIQUES	20	31	4
12VV1A0201	R4202B	PROJECT	45	142	12
12VV1A0202	R42021	DIGITAL CONTROL SYSTEMS	17	51	4
12VV1A0202	R42024	SPECIAL ELECTRICAL MACHINES	12	53	4
12VV1A0202	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	18	54	4
12VV1A0202	R4202A	AI TECHNIQUES	20	39	4
12VV1A0202	R4202B	PROJECT	25	149	12
12VV1A0203	R42021	DIGITAL CONTROL SYSTEMS	20	61	4
12VV1A0203	R42024	SPECIAL ELECTRICAL MACHINES	20	54	4
12VV1A0203	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	19	51	4
12VV1A0203	R4202A	AI TECHNIQUES	20	45	4
12VV1A0203	R4202B	PROJECT	35	142	12
12VV1A0204	R42021	DIGITAL CONTROL SYSTEMS	19	56	4
12VV1A0204	R42024	SPECIAL ELECTRICAL MACHINES	17	63	4
12VV1A0204	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	14	47	4
12VV1A0204	R4202A	AI TECHNIQUES	20	40	4
12VV1A0204	R4202B	PROJECT	18	133	12
12VV1A0206	R42021	DIGITAL CONTROL SYSTEMS	14	44	4
12VV1A0206	R42024	SPECIAL ELECTRICAL MACHINES	14	42	4
12VV1A0206	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	8	32	4
12VV1A0206	R4202A	AI TECHNIQUES	20	28	4
12VV1A0206	R4202B	PROJECT	35	142	12
12VV1A0207	R42021	DIGITAL CONTROL SYSTEMS	18	51	4
12VV1A0207	R42024	SPECIAL ELECTRICAL MACHINES	13	48	4
12VV1A0207	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	13	41	4
12VV1A0207	R4202A	AI TECHNIQUES	19	45	4
12VV1A0207	R4202B	PROJECT	18	133	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0208	R42021	DIGITAL CONTROL SYSTEMS	20	58	4
12VV1A0208	R42024	SPECIAL ELECTRICAL MACHINES	19	57	4
12VV1A0208	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	19	52	4
12VV1A0208	R4202A	AI TECHNIQUES	21	45	4
12VV1A0208	R4202B	PROJECT	20	133	12
12VV1A0209	R42021	DIGITAL CONTROL SYSTEMS	19	58	4
12VV1A0209	R42024	SPECIAL ELECTRICAL MACHINES	18	57	4
12VV1A0209	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	18	52	4
12VV1A0209	R4202A	AI TECHNIQUES	21	43	4
12VV1A0209	R4202B	PROJECT	18	133	12
12VV1A0210	R42021	DIGITAL CONTROL SYSTEMS	21	47	4
12VV1A0210	R42024	SPECIAL ELECTRICAL MACHINES	9	33	4
12VV1A0210	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	14	29	4
12VV1A0210	R4202A	AI TECHNIQUES	19	32	4
12VV1A0210	R4202B	PROJECT	18	130	12
12VV1A0211	R42021	DIGITAL CONTROL SYSTEMS	15	55	4
12VV1A0211	R42024	SPECIAL ELECTRICAL MACHINES	18	55	4
12VV1A0211	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	16	43	4
12VV1A0211	R4202A	AI TECHNIQUES	19	42	4
12VV1A0211	R4202B	PROJECT	35	142	12
12VV1A0212	R42021	DIGITAL CONTROL SYSTEMS	19	51	4
12VV1A0212	R42024	SPECIAL ELECTRICAL MACHINES	15	51	4
12VV1A0212	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	9	39	4
12VV1A0212	R4202A	AI TECHNIQUES	20	43	4
12VV1A0212	R4202B	PROJECT	25	130	12
12VV1A0213	R42021	DIGITAL CONTROL SYSTEMS	21	52	4
12VV1A0213	R42024	SPECIAL ELECTRICAL MACHINES	16	57	4
12VV1A0213	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	16	57	4
12VV1A0213	R4202A	AI TECHNIQUES	20	45	4
12VV1A0213	R4202B	PROJECT	35	130	12
12VV1A0214	R42021	DIGITAL CONTROL SYSTEMS	22	59	4
12VV1A0214	R42024	SPECIAL ELECTRICAL MACHINES	18	46	4
12VV1A0214	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	18	42	4
12VV1A0214	R4202A	AI TECHNIQUES	20	45	4
12VV1A0214	R4202B	PROJECT	18	130	12
12VV1A0215	R42021	DIGITAL CONTROL SYSTEMS	21	58	4
12VV1A0215	R42024	SPECIAL ELECTRICAL MACHINES	17	60	4
12VV1A0215	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	15	51	4
12VV1A0215	R4202A	AI TECHNIQUES	18	41	4
12VV1A0215	R4202B	PROJECT	20	133	12
12VV1A0216	R42021	DIGITAL CONTROL SYSTEMS	19	51	4
12VV1A0216	R42024	SPECIAL ELECTRICAL MACHINES	13	52	4
12VV1A0216	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	19	42	4
12VV1A0216	R4202A	AI TECHNIQUES	22	31	4
12VV1A0216	R4202B	PROJECT	25	130	12
12VV1A0217	R42021	DIGITAL CONTROL SYSTEMS	22	60	4
12VV1A0217	R42024	SPECIAL ELECTRICAL MACHINES	19	62	4
12VV1A0217	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	16	49	4
12VV1A0217	R4202A	AI TECHNIQUES	20	43	4
12VV1A0217	R4202B	PROJECT	19	142	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0218	R42021	DIGITAL CONTROL SYSTEMS	21	64	4
12VV1A0218	R42024	SPECIAL ELECTRICAL MACHINES	20	60	4
12VV1A0218	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	15	53	4
12VV1A0218	R4202A	AI TECHNIQUES	21	53	4
12VV1A0218	R4202B	PROJECT	21	142	12
12VV1A0219	R42021	DIGITAL CONTROL SYSTEMS	20	58	4
12VV1A0219	R42024	SPECIAL ELECTRICAL MACHINES	21	62	4
12VV1A0219	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	15	49	4
12VV1A0219	R4202A	AI TECHNIQUES	24	46	4
12VV1A0219	R4202B	PROJECT	40	149	12
12VV1A0220	R42021	DIGITAL CONTROL SYSTEMS	18	61	4
12VV1A0220	R42024	SPECIAL ELECTRICAL MACHINES	20	56	4
12VV1A0220	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	17	49	4
12VV1A0220	R4202A	AI TECHNIQUES	22	41	4
12VV1A0220	R4202B	PROJECT	20	149	12
12VV1A0222	R42021	DIGITAL CONTROL SYSTEMS	21	61	4
12VV1A0222	R42024	SPECIAL ELECTRICAL MACHINES	16	58	4
12VV1A0222	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	15	47	4
12VV1A0222	R4202A	AI TECHNIQUES	22	37	4
12VV1A0222	R4202B	PROJECT	25	149	12
12VV1A0223	R42021	DIGITAL CONTROL SYSTEMS	20	55	4
12VV1A0223	R42024	SPECIAL ELECTRICAL MACHINES	18	55	4
12VV1A0223	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	19	50	4
12VV1A0223	R4202A	AI TECHNIQUES	21	40	4
12VV1A0223	R4202B	PROJECT	46	149	12
12VV1A0224	R42021	DIGITAL CONTROL SYSTEMS	19	56	4
12VV1A0224	R42024	SPECIAL ELECTRICAL MACHINES	17	52	4
12VV1A0224	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	12	50	4
12VV1A0224	R4202A	AI TECHNIQUES	18	42	4
12VV1A0224	R4202B	PROJECT	23	137	12
12VV1A0225	R42021	DIGITAL CONTROL SYSTEMS	21	58	4
12VV1A0225	R42024	SPECIAL ELECTRICAL MACHINES	17	53	4
12VV1A0225	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	14	45	4
12VV1A0225	R4202A	AI TECHNIQUES	20	52	4
12VV1A0225	R4202B	PROJECT	25	149	12
12VV1A0226	R42021	DIGITAL CONTROL SYSTEMS	16	55	4
12VV1A0226	R42024	SPECIAL ELECTRICAL MACHINES	12	44	4
12VV1A0226	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	15	43	4
12VV1A0226	R4202A	AI TECHNIQUES	20	35	4
12VV1A0226	R4202B	PROJECT	18	133	12
12VV1A0227	R42021	DIGITAL CONTROL SYSTEMS	9	16	0
12VV1A0227	R42024	SPECIAL ELECTRICAL MACHINES	4	9	0
12VV1A0227	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	6	0	0
12VV1A0227	R4202A	AI TECHNIQUES	18	5	0
12VV1A0227	R4202B	PROJECT	18	130	12
12VV1A0228	R42021	DIGITAL CONTROL SYSTEMS	22	58	4
12VV1A0228	R42024	SPECIAL ELECTRICAL MACHINES	15	55	4
12VV1A0228	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	20	48	4
12VV1A0228	R4202A	AI TECHNIQUES	20	40	4
12VV1A0228	R4202B	PROJECT	47	149	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0229	R42021	DIGITAL CONTROL SYSTEMS	19	51	4
12VV1A0229	R42024	SPECIAL ELECTRICAL MACHINES	12	59	4
12VV1A0229	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	18	49	4
12VV1A0229	R4202A	AI TECHNIQUES	22	35	4
12VV1A0229	R4202B	PROJECT	25	149	12
12VV1A0230	R42021	DIGITAL CONTROL SYSTEMS	18	50	4
12VV1A0230	R42024	SPECIAL ELECTRICAL MACHINES	14	52	4
12VV1A0230	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	16	41	4
12VV1A0230	R4202A	AI TECHNIQUES	20	33	4
12VV1A0230	R4202B	PROJECT	18	133	12
12VV1A0231	R42021	DIGITAL CONTROL SYSTEMS	22	57	4
12VV1A0231	R42024	SPECIAL ELECTRICAL MACHINES	22	38	4
12VV1A0231	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	18	40	4
12VV1A0231	R4202A	AI TECHNIQUES	24	36	4
12VV1A0231	R4202B	PROJECT	47	149	12
12VV1A0232	R42021	DIGITAL CONTROL SYSTEMS	18	52	4
12VV1A0232	R42024	SPECIAL ELECTRICAL MACHINES	19	45	4
12VV1A0232	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	12	35	4
12VV1A0232	R4202A	AI TECHNIQUES	21	29	4
12VV1A0232	R4202B	PROJECT	18	149	12
12VV1A0233	R42021	DIGITAL CONTROL SYSTEMS	21	61	4
12VV1A0233	R42024	SPECIAL ELECTRICAL MACHINES	17	52	4
12VV1A0233	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	15	41	4
12VV1A0233	R4202A	AI TECHNIQUES	20	38	4
12VV1A0233	R4202B	PROJECT	40	142	12
12VV1A0234	R42021	DIGITAL CONTROL SYSTEMS	17	56	4
12VV1A0234	R42024	SPECIAL ELECTRICAL MACHINES	20	60	4
12VV1A0234	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	13	52	4
12VV1A0234	R4202A	AI TECHNIQUES	20	45	4
12VV1A0234	R4202B	PROJECT	40	133	12
12VV1A0235	R42021	DIGITAL CONTROL SYSTEMS	13	51	4
12VV1A0235	R42024	SPECIAL ELECTRICAL MACHINES	20	47	4
12VV1A0235	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	14	36	4
12VV1A0235	R4202A	AI TECHNIQUES	18	32	4
12VV1A0235	R4202B	PROJECT	23	145	12
12VV1A0236	R42021	DIGITAL CONTROL SYSTEMS	23	59	4
12VV1A0236	R42024	SPECIAL ELECTRICAL MACHINES	15	60	4
12VV1A0236	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	20	45	4
12VV1A0236	R4202A	AI TECHNIQUES	22	39	4
12VV1A0236	R4202B	PROJECT	18	142	12
12VV1A0237	R42021	DIGITAL CONTROL SYSTEMS	19	57	4
12VV1A0237	R42024	SPECIAL ELECTRICAL MACHINES	21	62	4
12VV1A0237	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	19	56	4
12VV1A0237	R4202A	AI TECHNIQUES	21	40	4
12VV1A0237	R4202B	PROJECT	21	137	12
12VV1A0238	R42021	DIGITAL CONTROL SYSTEMS	21	60	4
12VV1A0238	R42024	SPECIAL ELECTRICAL MACHINES	22	51	4
12VV1A0238	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	20	44	4
12VV1A0238	R4202A	AI TECHNIQUES	21	43	4
12VV1A0238	R4202B	PROJECT	42	142	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0239	R42021	DIGITAL CONTROL SYSTEMS	22	59	4
12VV1A0239	R42024	SPECIAL ELECTRICAL MACHINES	18	60	4
12VV1A0239	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	22	54	4
12VV1A0239	R4202A	AI TECHNIQUES	21	46	4
12VV1A0239	R4202B	PROJECT	45	142	12
12VV1A0240	R42021	DIGITAL CONTROL SYSTEMS	19	59	4
12VV1A0240	R42024	SPECIAL ELECTRICAL MACHINES	19	57	4
12VV1A0240	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	14	47	4
12VV1A0240	R4202A	AI TECHNIQUES	22	43	4
12VV1A0240	R4202B	PROJECT	25	149	12
12VV1A0241	R42021	DIGITAL CONTROL SYSTEMS	20	59	4
12VV1A0241	R42024	SPECIAL ELECTRICAL MACHINES	18	43	4
12VV1A0241	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	15	49	4
12VV1A0241	R4202A	AI TECHNIQUES	20	37	4
12VV1A0241	R4202B	PROJECT	35	142	12
12VV1A0242	R42021	DIGITAL CONTROL SYSTEMS	18	57	4
12VV1A0242	R42024	SPECIAL ELECTRICAL MACHINES	13	42	4
12VV1A0242	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	17	40	4
12VV1A0242	R4202A	AI TECHNIQUES	20	33	4
12VV1A0242	R4202B	PROJECT	25	142	12
12VV1A0243	R42021	DIGITAL CONTROL SYSTEMS	15	56	4
12VV1A0243	R42024	SPECIAL ELECTRICAL MACHINES	11	42	4
12VV1A0243	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	10	44	4
12VV1A0243	R4202A	AI TECHNIQUES	18	28	4
12VV1A0243	R4202B	PROJECT	18	130	12
12VV1A0244	R42021	DIGITAL CONTROL SYSTEMS	13	58	4
12VV1A0244	R42024	SPECIAL ELECTRICAL MACHINES	18	53	4
12VV1A0244	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	15	55	4
12VV1A0244	R4202A	AI TECHNIQUES	19	42	4
12VV1A0244	R4202B	PROJECT	35	130	12
12VV1A0245	R42021	DIGITAL CONTROL SYSTEMS	16	54	4
12VV1A0245	R42024	SPECIAL ELECTRICAL MACHINES	10	52	4
12VV1A0245	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	17	36	4
12VV1A0245	R4202A	AI TECHNIQUES	18	28	4
12VV1A0245	R4202B	PROJECT	21	142	12
12VV1A0246	R42021	DIGITAL CONTROL SYSTEMS	17	56	4
12VV1A0246	R42024	SPECIAL ELECTRICAL MACHINES	15	58	4
12VV1A0246	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	15	40	4
12VV1A0246	R4202A	AI TECHNIQUES	22	41	4
12VV1A0246	R4202B	PROJECT	18	142	12
12VV1A0247	R42021	DIGITAL CONTROL SYSTEMS	11	59	4
12VV1A0247	R42024	SPECIAL ELECTRICAL MACHINES	18	34	4
12VV1A0247	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	10	44	4
12VV1A0247	R4202A	AI TECHNIQUES	22	42	4
12VV1A0247	R4202B	PROJECT	42	149	12
12VV1A0248	R42021	DIGITAL CONTROL SYSTEMS	10	58	4
12VV1A0248	R42024	SPECIAL ELECTRICAL MACHINES	16	53	4
12VV1A0248	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	17	42	4
12VV1A0248	R4202A	AI TECHNIQUES	19	39	4
12VV1A0248	R4202B	PROJECT	18	133	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0249	R42021	DIGITAL CONTROL SYSTEMS	6	45	4
12VV1A0249	R42024	SPECIAL ELECTRICAL MACHINES	13	17	0
12VV1A0249	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	8	26	0
12VV1A0249	R4202A	AI TECHNIQUES	18	33	4
12VV1A0249	R4202B	PROJECT	30	130	12
12VV1A0250	R42021	DIGITAL CONTROL SYSTEMS	15	61	4
12VV1A0250	R42024	SPECIAL ELECTRICAL MACHINES	19	54	4
12VV1A0250	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	17	41	4
12VV1A0250	R4202A	AI TECHNIQUES	22	43	4
12VV1A0250	R4202B	PROJECT	18	149	12
12VV1A0251	R42021	DIGITAL CONTROL SYSTEMS	14	59	4
12VV1A0251	R42024	SPECIAL ELECTRICAL MACHINES	12	55	4
12VV1A0251	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	17	47	4
12VV1A0251	R4202A	AI TECHNIQUES	18	46	4
12VV1A0251	R4202B	PROJECT	21	137	12
12VV1A0252	R42021	DIGITAL CONTROL SYSTEMS	14	63	4
12VV1A0252	R42024	SPECIAL ELECTRICAL MACHINES	14	62	4
12VV1A0252	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	13	51	4
12VV1A0252	R4202A	AI TECHNIQUES	18	46	4
12VV1A0252	R4202B	PROJECT	25	133	12
12VV1A0253	R42021	DIGITAL CONTROL SYSTEMS	15	59	4
12VV1A0253	R42024	SPECIAL ELECTRICAL MACHINES	16	53	4
12VV1A0253	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	19	52	4
12VV1A0253	R4202A	AI TECHNIQUES	19	43	4
12VV1A0253	R4202B	PROJECT	42	142	12
12VV1A0254	R42021	DIGITAL CONTROL SYSTEMS	18	60	4
12VV1A0254	R42024	SPECIAL ELECTRICAL MACHINES	22	58	4
12VV1A0254	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	22	46	4
12VV1A0254	R4202A	AI TECHNIQUES	22	44	4
12VV1A0254	R4202B	PROJECT	47	149	12
12VV1A0255	R42021	DIGITAL CONTROL SYSTEMS	19	54	4
12VV1A0255	R42024	SPECIAL ELECTRICAL MACHINES	18	40	4
12VV1A0255	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	17	36	4
12VV1A0255	R4202A	AI TECHNIQUES	20	38	4
12VV1A0255	R4202B	PROJECT	20	133	12
12VV1A0256	R42021	DIGITAL CONTROL SYSTEMS	20	54	4
12VV1A0256	R42024	SPECIAL ELECTRICAL MACHINES	18	51	4
12VV1A0256	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	18	44	4
12VV1A0256	R4202A	AI TECHNIQUES	20	34	4
12VV1A0256	R4202B	PROJECT	40	145	12
12VV1A0257	R42021	DIGITAL CONTROL SYSTEMS	14	52	4
12VV1A0257	R42024	SPECIAL ELECTRICAL MACHINES	15	44	4
12VV1A0257	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	7	26	0
12VV1A0257	R4202A	AI TECHNIQUES	20	32	4
12VV1A0257	R4202B	PROJECT	35	133	12
12VV1A0258	R42021	DIGITAL CONTROL SYSTEMS	15	50	4
12VV1A0258	R42024	SPECIAL ELECTRICAL MACHINES	13	33	4
12VV1A0258	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	11	29	4
12VV1A0258	R4202A	AI TECHNIQUES	18	32	4
12VV1A0258	R4202B	PROJECT	45	130	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0259	R42021	DIGITAL CONTROL SYSTEMS	13	53	4
12VV1A0259	R42024	SPECIAL ELECTRICAL MACHINES	16	37	4
12VV1A0259	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	18	26	4
12VV1A0259	R4202A	AI TECHNIQUES	20	35	4
12VV1A0259	R4202B	PROJECT	40	130	12
12VV1A0260	R42021	DIGITAL CONTROL SYSTEMS	20	53	4
12VV1A0260	R42024	SPECIAL ELECTRICAL MACHINES	17	43	4
12VV1A0260	R42027	FLEXIBLE ALTERNATING CURRENT TRANSMISSION S	19	40	4
12VV1A0260	R4202A	AI TECHNIQUES	20	34	4
12VV1A0260	R4202B	PROJECT	23	142	12
12VV1A0301	R42031	INTERACTIVE COMPUTER GRAPHICS	14	17	0
12VV1A0301	R42034	AUTOMATION IN MANUFACTURING	15	35	4
12VV1A0301	R42039	POWER PLANT ENGINEERING	12	33	4
12VV1A0301	R4203A	PRODUCTION PLANNING & CONTROL	16	44	4
12VV1A0301	R4203E	PROJECT	45	140	12
12VV1A0302	R42031	INTERACTIVE COMPUTER GRAPHICS	17	37	4
12VV1A0302	R42034	AUTOMATION IN MANUFACTURING	21	49	4
12VV1A0302	R42039	POWER PLANT ENGINEERING	21	43	4
12VV1A0302	R4203A	PRODUCTION PLANNING & CONTROL	22	48	4
12VV1A0302	R4203E	PROJECT	47	147	12
12VV1A0303	R42031	INTERACTIVE COMPUTER GRAPHICS	14	42	4
12VV1A0303	R42034	AUTOMATION IN MANUFACTURING	18	41	4
12VV1A0303	R42039	POWER PLANT ENGINEERING	21	39	4
12VV1A0303	R4203A	PRODUCTION PLANNING & CONTROL	20	27	4
12VV1A0303	R4203E	PROJECT	45	140	12
12VV1A0304	R42031	INTERACTIVE COMPUTER GRAPHICS	14	47	4
12VV1A0304	R42034	AUTOMATION IN MANUFACTURING	18	51	4
12VV1A0304	R42039	POWER PLANT ENGINEERING	20	51	4
12VV1A0304	R4203A	PRODUCTION PLANNING & CONTROL	19	40	4
12VV1A0304	R4203E	PROJECT	46	146	12
12VV1A0305	R42031	INTERACTIVE COMPUTER GRAPHICS	15	36	4
12VV1A0305	R42034	AUTOMATION IN MANUFACTURING	17	46	4
12VV1A0305	R42039	POWER PLANT ENGINEERING	17	35	4
12VV1A0305	R4203A	PRODUCTION PLANNING & CONTROL	20	-1	0
12VV1A0305	R4203E	PROJECT	48	146	12
12VV1A0306	R42031	INTERACTIVE COMPUTER GRAPHICS	10	13	0
12VV1A0306	R42034	AUTOMATION IN MANUFACTURING	14	15	0
12VV1A0306	R42039	POWER PLANT ENGINEERING	12	16	0
12VV1A0306	R4203A	PRODUCTION PLANNING & CONTROL	15	20	0
12VV1A0306	R4203E	PROJECT	42	138	12
12VV1A0307	R42031	INTERACTIVE COMPUTER GRAPHICS	12	50	4
12VV1A0307	R42034	AUTOMATION IN MANUFACTURING	19	47	4
12VV1A0307	R42039	POWER PLANT ENGINEERING	20	51	4
12VV1A0307	R4203A	PRODUCTION PLANNING & CONTROL	22	61	4
12VV1A0307	R4203E	PROJECT	48	147	12
12VV1A0308	R42031	INTERACTIVE COMPUTER GRAPHICS	8	37	4
12VV1A0308	R42034	AUTOMATION IN MANUFACTURING	20	45	4
12VV1A0308	R42039	POWER PLANT ENGINEERING	14	46	4
12VV1A0308	R4203A	PRODUCTION PLANNING & CONTROL	21	51	4
12VV1A0308	R4203E	PROJECT	47	145	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0309	R42031	INTERACTIVE COMPUTER GRAPHICS	16	43	4
12VV1A0309	R42034	AUTOMATION IN MANUFACTURING	20	47	4
12VV1A0309	R42039	POWER PLANT ENGINEERING	20	57	4
12VV1A0309	R4203A	PRODUCTION PLANNING & CONTROL	20	45	4
12VV1A0309	R4203E	PROJECT	49	146	12
12VV1A0310	R42031	INTERACTIVE COMPUTER GRAPHICS	19	44	4
12VV1A0310	R42034	AUTOMATION IN MANUFACTURING	21	49	4
12VV1A0310	R42039	POWER PLANT ENGINEERING	22	51	4
12VV1A0310	R4203A	PRODUCTION PLANNING & CONTROL	22	57	4
12VV1A0310	R4203E	PROJECT	49	147	12
12VV1A0311	R42031	INTERACTIVE COMPUTER GRAPHICS	16	43	4
12VV1A0311	R42034	AUTOMATION IN MANUFACTURING	16	39	4
12VV1A0311	R42039	POWER PLANT ENGINEERING	19	42	4
12VV1A0311	R4203A	PRODUCTION PLANNING & CONTROL	20	40	4
12VV1A0311	R4203E	PROJECT	47	148	12
12VV1A0312	R42031	INTERACTIVE COMPUTER GRAPHICS	15	47	4
12VV1A0312	R42034	AUTOMATION IN MANUFACTURING	19	50	4
12VV1A0312	R42039	POWER PLANT ENGINEERING	22	56	4
12VV1A0312	R4203A	PRODUCTION PLANNING & CONTROL	12	44	4
12VV1A0312	R4203E	PROJECT	49	148	12
12VV1A0313	R42031	INTERACTIVE COMPUTER GRAPHICS	14	45	4
12VV1A0313	R42034	AUTOMATION IN MANUFACTURING	19	47	4
12VV1A0313	R42039	POWER PLANT ENGINEERING	16	42	4
12VV1A0313	R4203A	PRODUCTION PLANNING & CONTROL	14	52	4
12VV1A0313	R4203E	PROJECT	49	144	12
12VV1A0314	R42031	INTERACTIVE COMPUTER GRAPHICS	19	43	4
12VV1A0314	R42034	AUTOMATION IN MANUFACTURING	21	46	4
12VV1A0314	R42039	POWER PLANT ENGINEERING	21	58	4
12VV1A0314	R4203A	PRODUCTION PLANNING & CONTROL	18	50	4
12VV1A0314	R4203E	PROJECT	49	148	12
12VV1A0315	R42031	INTERACTIVE COMPUTER GRAPHICS	13	32	4
12VV1A0315	R42034	AUTOMATION IN MANUFACTURING	18	38	4
12VV1A0315	R42039	POWER PLANT ENGINEERING	18	41	4
12VV1A0315	R4203A	PRODUCTION PLANNING & CONTROL	19	-1	0
12VV1A0315	R4203E	PROJECT	42	145	12
12VV1A0316	R42031	INTERACTIVE COMPUTER GRAPHICS	18	38	4
12VV1A0316	R42034	AUTOMATION IN MANUFACTURING	22	49	4
12VV1A0316	R42039	POWER PLANT ENGINEERING	20	54	4
12VV1A0316	R4203A	PRODUCTION PLANNING & CONTROL	20	40	4
12VV1A0316	R4203E	PROJECT	49	147	12
12VV1A0317	R42031	INTERACTIVE COMPUTER GRAPHICS	13	32	4
12VV1A0317	R42034	AUTOMATION IN MANUFACTURING	20	44	4
12VV1A0317	R42039	POWER PLANT ENGINEERING	17	42	4
12VV1A0317	R4203A	PRODUCTION PLANNING & CONTROL	20	36	4
12VV1A0317	R4203E	PROJECT	46	142	12
12VV1A0318	R42031	INTERACTIVE COMPUTER GRAPHICS	16	44	4
12VV1A0318	R42034	AUTOMATION IN MANUFACTURING	22	42	4
12VV1A0318	R42039	POWER PLANT ENGINEERING	18	46	4
12VV1A0318	R4203A	PRODUCTION PLANNING & CONTROL	20	49	4
12VV1A0318	R4203E	PROJECT	47	145	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0319	R42031	INTERACTIVE COMPUTER GRAPHICS	15	34	4
12VV1A0319	R42034	AUTOMATION IN MANUFACTURING	16	40	4
12VV1A0319	R42039	POWER PLANT ENGINEERING	17	41	4
12VV1A0319	R4203A	PRODUCTION PLANNING & CONTROL	17	43	4
12VV1A0319	R4203E	PROJECT	47	144	12
12VV1A0320	R42031	INTERACTIVE COMPUTER GRAPHICS	16	48	4
12VV1A0320	R42034	AUTOMATION IN MANUFACTURING	20	48	4
12VV1A0320	R42039	POWER PLANT ENGINEERING	18	53	4
12VV1A0320	R4203A	PRODUCTION PLANNING & CONTROL	18	61	4
12VV1A0320	R4203E	PROJECT	47	146	12
12VV1A0321	R42031	INTERACTIVE COMPUTER GRAPHICS	13	35	4
12VV1A0321	R42034	AUTOMATION IN MANUFACTURING	21	40	4
12VV1A0321	R42039	POWER PLANT ENGINEERING	21	41	4
12VV1A0321	R4203A	PRODUCTION PLANNING & CONTROL	18	50	4
12VV1A0321	R4203E	PROJECT	46	145	12
12VV1A0322	R42031	INTERACTIVE COMPUTER GRAPHICS	16	43	4
12VV1A0322	R42034	AUTOMATION IN MANUFACTURING	19	43	4
12VV1A0322	R42039	POWER PLANT ENGINEERING	17	43	4
12VV1A0322	R4203A	PRODUCTION PLANNING & CONTROL	18	46	4
12VV1A0322	R4203E	PROJECT	47	147	12
12VV1A0323	R42031	INTERACTIVE COMPUTER GRAPHICS	13	40	4
12VV1A0323	R42034	AUTOMATION IN MANUFACTURING	14	43	4
12VV1A0323	R42039	POWER PLANT ENGINEERING	10	48	4
12VV1A0323	R4203A	PRODUCTION PLANNING & CONTROL	17	34	4
12VV1A0323	R4203E	PROJECT	46	143	12
12VV1A0324	R42031	INTERACTIVE COMPUTER GRAPHICS	16	46	4
12VV1A0324	R42034	AUTOMATION IN MANUFACTURING	18	46	4
12VV1A0324	R42039	POWER PLANT ENGINEERING	19	42	4
12VV1A0324	R4203A	PRODUCTION PLANNING & CONTROL	22	48	4
12VV1A0324	R4203E	PROJECT	48	148	12
12VV1A0325	R42031	INTERACTIVE COMPUTER GRAPHICS	9	37	4
12VV1A0325	R42034	AUTOMATION IN MANUFACTURING	18	38	4
12VV1A0325	R42039	POWER PLANT ENGINEERING	17	-1	0
12VV1A0325	R4203A	PRODUCTION PLANNING & CONTROL	21	44	4
12VV1A0325	R4203E	PROJECT	49	147	12
12VV1A0326	R42031	INTERACTIVE COMPUTER GRAPHICS	12	36	4
12VV1A0326	R42034	AUTOMATION IN MANUFACTURING	10	35	4
12VV1A0326	R42039	POWER PLANT ENGINEERING	7	18	0
12VV1A0326	R4203A	PRODUCTION PLANNING & CONTROL	15	16	0
12VV1A0326	R4203E	PROJECT	47	146	12
12VV1A0327	R42031	INTERACTIVE COMPUTER GRAPHICS	13	43	4
12VV1A0327	R42034	AUTOMATION IN MANUFACTURING	16	44	4
12VV1A0327	R42039	POWER PLANT ENGINEERING	19	40	4
12VV1A0327	R4203A	PRODUCTION PLANNING & CONTROL	18	28	4
12VV1A0327	R4203E	PROJECT	48	144	12
12VV1A0329	R42031	INTERACTIVE COMPUTER GRAPHICS	11	38	4
12VV1A0329	R42034	AUTOMATION IN MANUFACTURING	11	37	4
12VV1A0329	R42039	POWER PLANT ENGINEERING	12	43	4
12VV1A0329	R4203A	PRODUCTION PLANNING & CONTROL	19	37	4
12VV1A0329	R4203E	PROJECT	46	143	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0330	R42031	INTERACTIVE COMPUTER GRAPHICS	12	46	4
12VV1A0330	R42034	AUTOMATION IN MANUFACTURING	19	39	4
12VV1A0330	R42039	POWER PLANT ENGINEERING	18	41	4
12VV1A0330	R4203A	PRODUCTION PLANNING & CONTROL	21	40	4
12VV1A0330	R4203E	PROJECT	47	147	12
12VV1A0331	R42031	INTERACTIVE COMPUTER GRAPHICS	11	36	4
12VV1A0331	R42034	AUTOMATION IN MANUFACTURING	17	43	4
12VV1A0331	R42039	POWER PLANT ENGINEERING	15	31	4
12VV1A0331	R4203A	PRODUCTION PLANNING & CONTROL	21	47	4
12VV1A0331	R4203E	PROJECT	48	146	12
12VV1A0332	R42031	INTERACTIVE COMPUTER GRAPHICS	13	36	4
12VV1A0332	R42034	AUTOMATION IN MANUFACTURING	19	45	4
12VV1A0332	R42039	POWER PLANT ENGINEERING	18	46	4
12VV1A0332	R4203A	PRODUCTION PLANNING & CONTROL	20	57	4
12VV1A0332	R4203E	PROJECT	49	148	12
12VV1A0333	R42031	INTERACTIVE COMPUTER GRAPHICS	15	40	4
12VV1A0333	R42034	AUTOMATION IN MANUFACTURING	20	45	4
12VV1A0333	R42039	POWER PLANT ENGINEERING	19	43	4
12VV1A0333	R4203A	PRODUCTION PLANNING & CONTROL	20	33	4
12VV1A0333	R4203E	PROJECT	48	146	12
12VV1A0334	R42031	INTERACTIVE COMPUTER GRAPHICS	15	34	4
12VV1A0334	R42034	AUTOMATION IN MANUFACTURING	21	41	4
12VV1A0334	R42039	POWER PLANT ENGINEERING	16	35	4
12VV1A0334	R4203A	PRODUCTION PLANNING & CONTROL	21	51	4
12VV1A0334	R4203E	PROJECT	49	147	12
12VV1A0335	R42031	INTERACTIVE COMPUTER GRAPHICS	13	39	4
12VV1A0335	R42034	AUTOMATION IN MANUFACTURING	17	39	4
12VV1A0335	R42039	POWER PLANT ENGINEERING	19	40	4
12VV1A0335	R4203A	PRODUCTION PLANNING & CONTROL	15	50	4
12VV1A0335	R4203E	PROJECT	49	148	12
12VV1A0336	R42031	INTERACTIVE COMPUTER GRAPHICS	15	38	4
12VV1A0336	R42034	AUTOMATION IN MANUFACTURING	18	44	4
12VV1A0336	R42039	POWER PLANT ENGINEERING	20	35	4
12VV1A0336	R4203A	PRODUCTION PLANNING & CONTROL	18	36	4
12VV1A0336	R4203E	PROJECT	46	146	12
12VV1A0337	R42031	INTERACTIVE COMPUTER GRAPHICS	13	38	4
12VV1A0337	R42034	AUTOMATION IN MANUFACTURING	18	42	4
12VV1A0337	R42039	POWER PLANT ENGINEERING	15	48	4
12VV1A0337	R4203A	PRODUCTION PLANNING & CONTROL	22	37	4
12VV1A0337	R4203E	PROJECT	46	144	12
12VV1A0338	R42031	INTERACTIVE COMPUTER GRAPHICS	16	41	4
12VV1A0338	R42034	AUTOMATION IN MANUFACTURING	21	53	4
12VV1A0338	R42039	POWER PLANT ENGINEERING	21	59	4
12VV1A0338	R4203A	PRODUCTION PLANNING & CONTROL	19	50	4
12VV1A0338	R4203E	PROJECT	49	147	12
12VV1A0339	R42031	INTERACTIVE COMPUTER GRAPHICS	16	40	4
12VV1A0339	R42034	AUTOMATION IN MANUFACTURING	20	38	4
12VV1A0339	R42039	POWER PLANT ENGINEERING	19	52	4
12VV1A0339	R4203A	PRODUCTION PLANNING & CONTROL	22	53	4
12VV1A0339	R4203E	PROJECT	46	145	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0340	R42031	INTERACTIVE COMPUTER GRAPHICS	12	38	4
12VV1A0340	R42034	AUTOMATION IN MANUFACTURING	17	44	4
12VV1A0340	R42039	POWER PLANT ENGINEERING	11	36	4
12VV1A0340	R4203A	PRODUCTION PLANNING & CONTROL	18	37	4
12VV1A0340	R4203E	PROJECT	46	144	12
12VV1A0341	R42031	INTERACTIVE COMPUTER GRAPHICS	14	34	4
12VV1A0341	R42034	AUTOMATION IN MANUFACTURING	17	39	4
12VV1A0341	R42039	POWER PLANT ENGINEERING	15	39	4
12VV1A0341	R4203A	PRODUCTION PLANNING & CONTROL	19	52	4
12VV1A0341	R4203E	PROJECT	45	143	12
12VV1A0342	R42031	INTERACTIVE COMPUTER GRAPHICS	14	51	4
12VV1A0342	R42034	AUTOMATION IN MANUFACTURING	17	46	4
12VV1A0342	R42039	POWER PLANT ENGINEERING	20	50	4
12VV1A0342	R4203A	PRODUCTION PLANNING & CONTROL	17	41	4
12VV1A0342	R4203E	PROJECT	46	148	12
12VV1A0343	R42031	INTERACTIVE COMPUTER GRAPHICS	14	41	4
12VV1A0343	R42034	AUTOMATION IN MANUFACTURING	18	48	4
12VV1A0343	R42039	POWER PLANT ENGINEERING	16	40	4
12VV1A0343	R4203A	PRODUCTION PLANNING & CONTROL	20	36	4
12VV1A0343	R4203E	PROJECT	49	148	12
12VV1A0344	R42031	INTERACTIVE COMPUTER GRAPHICS	10	32	4
12VV1A0344	R42034	AUTOMATION IN MANUFACTURING	14	44	4
12VV1A0344	R42039	POWER PLANT ENGINEERING	12	39	4
12VV1A0344	R4203A	PRODUCTION PLANNING & CONTROL	18	34	4
12VV1A0344	R4203E	PROJECT	49	142	12
12VV1A0345	R42031	INTERACTIVE COMPUTER GRAPHICS	12	34	4
12VV1A0345	R42034	AUTOMATION IN MANUFACTURING	14	42	4
12VV1A0345	R42039	POWER PLANT ENGINEERING	12	46	4
12VV1A0345	R4203A	PRODUCTION PLANNING & CONTROL	22	32	4
12VV1A0345	R4203E	PROJECT	45	139	12
12VV1A0346	R42031	INTERACTIVE COMPUTER GRAPHICS	18	44	4
12VV1A0346	R42034	AUTOMATION IN MANUFACTURING	21	31	4
12VV1A0346	R42039	POWER PLANT ENGINEERING	15	39	4
12VV1A0346	R4203A	PRODUCTION PLANNING & CONTROL	23	48	4
12VV1A0346	R4203E	PROJECT	48	145	12
12VV1A0347	R42031	INTERACTIVE COMPUTER GRAPHICS	17	54	4
12VV1A0347	R42034	AUTOMATION IN MANUFACTURING	21	47	4
12VV1A0347	R42039	POWER PLANT ENGINEERING	20	53	4
12VV1A0347	R4203A	PRODUCTION PLANNING & CONTROL	23	49	4
12VV1A0347	R4203E	PROJECT	49	148	12
12VV1A0348	R42031	INTERACTIVE COMPUTER GRAPHICS	14	45	4
12VV1A0348	R42034	AUTOMATION IN MANUFACTURING	19	45	4
12VV1A0348	R42039	POWER PLANT ENGINEERING	18	49	4
12VV1A0348	R4203A	PRODUCTION PLANNING & CONTROL	20	41	4
12VV1A0348	R4203E	PROJECT	46	147	12
12VV1A0349	R42031	INTERACTIVE COMPUTER GRAPHICS	14	45	4
12VV1A0349	R42034	AUTOMATION IN MANUFACTURING	20	38	4
12VV1A0349	R42039	POWER PLANT ENGINEERING	19	45	4
12VV1A0349	R4203A	PRODUCTION PLANNING & CONTROL	20	50	4
12VV1A0349	R4203E	PROJECT	48	144	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0350	R42031	INTERACTIVE COMPUTER GRAPHICS	13	42	4
12VV1A0350	R42034	AUTOMATION IN MANUFACTURING	17	40	4
12VV1A0350	R42039	POWER PLANT ENGINEERING	18	42	4
12VV1A0350	R4203A	PRODUCTION PLANNING & CONTROL	17	47	4
12VV1A0350	R4203E	PROJECT	46	144	12
12VV1A0351	R42031	INTERACTIVE COMPUTER GRAPHICS	13	36	4
12VV1A0351	R42034	AUTOMATION IN MANUFACTURING	19	42	4
12VV1A0351	R42039	POWER PLANT ENGINEERING	18	41	4
12VV1A0351	R4203A	PRODUCTION PLANNING & CONTROL	18	61	4
12VV1A0351	R4203E	PROJECT	47	145	12
12VV1A0352	R42031	INTERACTIVE COMPUTER GRAPHICS	16	53	4
12VV1A0352	R42034	AUTOMATION IN MANUFACTURING	20	44	4
12VV1A0352	R42039	POWER PLANT ENGINEERING	19	47	4
12VV1A0352	R4203A	PRODUCTION PLANNING & CONTROL	18	59	4
12VV1A0352	R4203E	PROJECT	48	147	12
12VV1A0353	R42031	INTERACTIVE COMPUTER GRAPHICS	13	34	4
12VV1A0353	R42034	AUTOMATION IN MANUFACTURING	13	40	4
12VV1A0353	R42039	POWER PLANT ENGINEERING	18	38	4
12VV1A0353	R4203A	PRODUCTION PLANNING & CONTROL	17	26	4
12VV1A0353	R4203E	PROJECT	45	143	12
12VV1A0354	R42031	INTERACTIVE COMPUTER GRAPHICS	17	49	4
12VV1A0354	R42034	AUTOMATION IN MANUFACTURING	19	49	4
12VV1A0354	R42039	POWER PLANT ENGINEERING	16	50	4
12VV1A0354	R4203A	PRODUCTION PLANNING & CONTROL	20	45	4
12VV1A0354	R4203E	PROJECT	48	145	12
12VV1A0355	R42031	INTERACTIVE COMPUTER GRAPHICS	11	40	4
12VV1A0355	R42034	AUTOMATION IN MANUFACTURING	20	46	4
12VV1A0355	R42039	POWER PLANT ENGINEERING	22	49	4
12VV1A0355	R4203A	PRODUCTION PLANNING & CONTROL	16	39	4
12VV1A0355	R4203E	PROJECT	49	148	12
12VV1A0356	R42031	INTERACTIVE COMPUTER GRAPHICS	15	46	4
12VV1A0356	R42034	AUTOMATION IN MANUFACTURING	20	46	4
12VV1A0356	R42039	POWER PLANT ENGINEERING	16	44	4
12VV1A0356	R4203A	PRODUCTION PLANNING & CONTROL	23	42	4
12VV1A0356	R4203E	PROJECT	49	146	12
12VV1A0357	R42031	INTERACTIVE COMPUTER GRAPHICS	14	37	4
12VV1A0357	R42034	AUTOMATION IN MANUFACTURING	20	38	4
12VV1A0357	R42039	POWER PLANT ENGINEERING	21	36	4
12VV1A0357	R4203A	PRODUCTION PLANNING & CONTROL	19	59	4
12VV1A0357	R4203E	PROJECT	48	147	12
12VV1A0359	R42031	INTERACTIVE COMPUTER GRAPHICS	12	44	4
12VV1A0359	R42034	AUTOMATION IN MANUFACTURING	19	49	4
12VV1A0359	R42039	POWER PLANT ENGINEERING	20	47	4
12VV1A0359	R4203A	PRODUCTION PLANNING & CONTROL	19	59	4
12VV1A0359	R4203E	PROJECT	49	148	12
12VV1A0360	R42031	INTERACTIVE COMPUTER GRAPHICS	12	28	4
12VV1A0360	R42034	AUTOMATION IN MANUFACTURING	17	33	4
12VV1A0360	R42039	POWER PLANT ENGINEERING	13	37	4
12VV1A0360	R4203A	PRODUCTION PLANNING & CONTROL	16	36	4
12VV1A0360	R4203E	PROJECT	46	145	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0401	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	63	4
12VV1A0401	R42043	SATELLITE COMMUNICATIONS	24	46	4
12VV1A0401	R42046	STRUCTURED DIGITAL DESIGN	20	55	4
12VV1A0401	R42049	REAL TIME OPERATING SYSTEMS	23	33	4
12VV1A0401	R4204B	PROJECT	49	147	12
12VV1A0402	R42041	CELLULAR AND MOBILE COMMUNICATIONS	14	51	4
12VV1A0402	R42043	SATELLITE COMMUNICATIONS	15	42	4
12VV1A0402	R42046	STRUCTURED DIGITAL DESIGN	13	42	4
12VV1A0402	R42049	REAL TIME OPERATING SYSTEMS	12	29	4
12VV1A0402	R4204B	PROJECT	43	138	12
12VV1A0403	R42041	CELLULAR AND MOBILE COMMUNICATIONS	21	66	4
12VV1A0403	R42043	SATELLITE COMMUNICATIONS	25	46	4
12VV1A0403	R42046	STRUCTURED DIGITAL DESIGN	19	56	4
12VV1A0403	R42049	REAL TIME OPERATING SYSTEMS	21	26	4
12VV1A0403	R4204B	PROJECT	49	147	12
12VV1A0404	R42041	CELLULAR AND MOBILE COMMUNICATIONS	18	52	4
12VV1A0404	R42043	SATELLITE COMMUNICATIONS	22	37	4
12VV1A0404	R42046	STRUCTURED DIGITAL DESIGN	13	50	4
12VV1A0404	R42049	REAL TIME OPERATING SYSTEMS	17	30	4
12VV1A0404	R4204B	PROJECT	47	138	12
12VV1A0405	R42041	CELLULAR AND MOBILE COMMUNICATIONS	21	45	4
12VV1A0405	R42043	SATELLITE COMMUNICATIONS	23	45	4
12VV1A0405	R42046	STRUCTURED DIGITAL DESIGN	18	40	4
12VV1A0405	R42049	REAL TIME OPERATING SYSTEMS	14	28	4
12VV1A0405	R4204B	PROJECT	47	143	12
12VV1A0406	R42041	CELLULAR AND MOBILE COMMUNICATIONS	21	69	4
12VV1A0406	R42043	SATELLITE COMMUNICATIONS	25	57	4
12VV1A0406	R42046	STRUCTURED DIGITAL DESIGN	17	57	4
12VV1A0406	R42049	REAL TIME OPERATING SYSTEMS	22	31	4
12VV1A0406	R4204B	PROJECT	48	147	12
12VV1A0407	R42041	CELLULAR AND MOBILE COMMUNICATIONS	18	61	4
12VV1A0407	R42043	SATELLITE COMMUNICATIONS	23	48	4
12VV1A0407	R42046	STRUCTURED DIGITAL DESIGN	17	58	4
12VV1A0407	R42049	REAL TIME OPERATING SYSTEMS	20	31	4
12VV1A0407	R4204B	PROJECT	48	145	12
12VV1A0408	R42041	CELLULAR AND MOBILE COMMUNICATIONS	20	58	4
12VV1A0408	R42043	SATELLITE COMMUNICATIONS	25	32	4
12VV1A0408	R42046	STRUCTURED DIGITAL DESIGN	14	54	4
12VV1A0408	R42049	REAL TIME OPERATING SYSTEMS	11	29	4
12VV1A0408	R4204B	PROJECT	48	145	12
12VV1A0409	R42041	CELLULAR AND MOBILE COMMUNICATIONS	18	54	4
12VV1A0409	R42043	SATELLITE COMMUNICATIONS	25	36	4
12VV1A0409	R42046	STRUCTURED DIGITAL DESIGN	17	47	4
12VV1A0409	R42049	REAL TIME OPERATING SYSTEMS	14	26	4
12VV1A0409	R4204B	PROJECT	47	144	12
12VV1A0410	R42041	CELLULAR AND MOBILE COMMUNICATIONS	14	45	4
12VV1A0410	R42043	SATELLITE COMMUNICATIONS	22	30	4
12VV1A0410	R42046	STRUCTURED DIGITAL DESIGN	11	33	4
12VV1A0410	R42049	REAL TIME OPERATING SYSTEMS	8	26	0
12VV1A0410	R4204B	PROJECT	48	144	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0411	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	70	4
12VV1A0411	R42043	SATELLITE COMMUNICATIONS	22	37	4
12VV1A0411	R42046	STRUCTURED DIGITAL DESIGN	14	49	4
12VV1A0411	R42049	REAL TIME OPERATING SYSTEMS	18	34	4
12VV1A0411	R4204B	PROJECT	48	145	12
12VV1A0412	R42041	CELLULAR AND MOBILE COMMUNICATIONS	17	64	4
12VV1A0412	R42043	SATELLITE COMMUNICATIONS	24	41	4
12VV1A0412	R42046	STRUCTURED DIGITAL DESIGN	16	48	4
12VV1A0412	R42049	REAL TIME OPERATING SYSTEMS	19	31	4
12VV1A0412	R4204B	PROJECT	45	141	12
12VV1A0413	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	52	4
12VV1A0413	R42043	SATELLITE COMMUNICATIONS	24	42	4
12VV1A0413	R42046	STRUCTURED DIGITAL DESIGN	15	56	4
12VV1A0413	R42049	REAL TIME OPERATING SYSTEMS	16	26	4
12VV1A0413	R4204B	PROJECT	45	140	12
12VV1A0414	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	48	4
12VV1A0414	R42043	SATELLITE COMMUNICATIONS	24	30	4
12VV1A0414	R42046	STRUCTURED DIGITAL DESIGN	17	46	4
12VV1A0414	R42049	REAL TIME OPERATING SYSTEMS	14	26	4
12VV1A0414	R4204B	PROJECT	45	142	12
12VV1A0415	R42041	CELLULAR AND MOBILE COMMUNICATIONS	18	62	4
12VV1A0415	R42043	SATELLITE COMMUNICATIONS	22	36	4
12VV1A0415	R42046	STRUCTURED DIGITAL DESIGN	13	55	4
12VV1A0415	R42049	REAL TIME OPERATING SYSTEMS	13	28	4
12VV1A0415	R4204B	PROJECT	45	140	12
12VV1A0416	R42041	CELLULAR AND MOBILE COMMUNICATIONS	14	64	4
12VV1A0416	R42043	SATELLITE COMMUNICATIONS	19	37	4
12VV1A0416	R42046	STRUCTURED DIGITAL DESIGN	14	52	4
12VV1A0416	R42049	REAL TIME OPERATING SYSTEMS	10	30	4
12VV1A0416	R4204B	PROJECT	47	141	12
12VV1A0417	R42041	CELLULAR AND MOBILE COMMUNICATIONS	21	72	4
12VV1A0417	R42043	SATELLITE COMMUNICATIONS	24	41	4
12VV1A0417	R42046	STRUCTURED DIGITAL DESIGN	15	56	4
12VV1A0417	R42049	REAL TIME OPERATING SYSTEMS	17	30	4
12VV1A0417	R4204B	PROJECT	49	145	12
12VV1A0418	R42041	CELLULAR AND MOBILE COMMUNICATIONS	15	52	4
12VV1A0418	R42043	SATELLITE COMMUNICATIONS	23	44	4
12VV1A0418	R42046	STRUCTURED DIGITAL DESIGN	14	54	4
12VV1A0418	R42049	REAL TIME OPERATING SYSTEMS	16	30	4
12VV1A0418	R4204B	PROJECT	45	141	12
12VV1A0419	R42041	CELLULAR AND MOBILE COMMUNICATIONS	24	66	4
12VV1A0419	R42043	SATELLITE COMMUNICATIONS	24	52	4
12VV1A0419	R42046	STRUCTURED DIGITAL DESIGN	16	53	4
12VV1A0419	R42049	REAL TIME OPERATING SYSTEMS	20	33	4
12VV1A0419	R4204B	PROJECT	49	148	12
12VV1A0420	R42041	CELLULAR AND MOBILE COMMUNICATIONS	21	55	4
12VV1A0420	R42043	SATELLITE COMMUNICATIONS	24	38	4
12VV1A0420	R42046	STRUCTURED DIGITAL DESIGN	19	53	4
12VV1A0420	R42049	REAL TIME OPERATING SYSTEMS	18	26	4
12VV1A0420	R4204B	PROJECT	49	147	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0421	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	55	4
12VV1A0421	R42043	SATELLITE COMMUNICATIONS	23	34	4
12VV1A0421	R42046	STRUCTURED DIGITAL DESIGN	16	55	4
12VV1A0421	R42049	REAL TIME OPERATING SYSTEMS	7	33	4
12VV1A0421	R4204B	PROJECT	47	142	12
12VV1A0422	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	69	4
12VV1A0422	R42043	SATELLITE COMMUNICATIONS	23	33	4
12VV1A0422	R42046	STRUCTURED DIGITAL DESIGN	14	60	4
12VV1A0422	R42049	REAL TIME OPERATING SYSTEMS	11	32	4
12VV1A0422	R4204B	PROJECT	49	143	12
12VV1A0423	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	56	4
12VV1A0423	R42043	SATELLITE COMMUNICATIONS	23	37	4
12VV1A0423	R42046	STRUCTURED DIGITAL DESIGN	13	52	4
12VV1A0423	R42049	REAL TIME OPERATING SYSTEMS	14	35	4
12VV1A0423	R4204B	PROJECT	46	142	12
12VV1A0424	R42041	CELLULAR AND MOBILE COMMUNICATIONS	17	41	4
12VV1A0424	R42043	SATELLITE COMMUNICATIONS	21	28	4
12VV1A0424	R42046	STRUCTURED DIGITAL DESIGN	13	52	4
12VV1A0424	R42049	REAL TIME OPERATING SYSTEMS	9	26	0
12VV1A0424	R4204B	PROJECT	45	139	12
12VV1A0425	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	63	4
12VV1A0425	R42043	SATELLITE COMMUNICATIONS	25	40	4
12VV1A0425	R42046	STRUCTURED DIGITAL DESIGN	11	44	4
12VV1A0425	R42049	REAL TIME OPERATING SYSTEMS	12	18	0
12VV1A0425	R4204B	PROJECT	48	142	12
12VV1A0426	R42041	CELLULAR AND MOBILE COMMUNICATIONS	15	52	4
12VV1A0426	R42043	SATELLITE COMMUNICATIONS	24	29	4
12VV1A0426	R42046	STRUCTURED DIGITAL DESIGN	12	56	4
12VV1A0426	R42049	REAL TIME OPERATING SYSTEMS	14	28	4
12VV1A0426	R4204B	PROJECT	47	145	12
12VV1A0427	R42041	CELLULAR AND MOBILE COMMUNICATIONS	18	60	4
12VV1A0427	R42043	SATELLITE COMMUNICATIONS	24	42	4
12VV1A0427	R42046	STRUCTURED DIGITAL DESIGN	14	48	4
12VV1A0427	R42049	REAL TIME OPERATING SYSTEMS	11	30	4
12VV1A0427	R4204B	PROJECT	49	147	12
12VV1A0428	R42041	CELLULAR AND MOBILE COMMUNICATIONS	16	73	4
12VV1A0428	R42043	SATELLITE COMMUNICATIONS	24	47	4
12VV1A0428	R42046	STRUCTURED DIGITAL DESIGN	14	46	4
12VV1A0428	R42049	REAL TIME OPERATING SYSTEMS	16	34	4
12VV1A0428	R4204B	PROJECT	48	141	12
12VV1A0429	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	64	4
12VV1A0429	R42043	SATELLITE COMMUNICATIONS	25	42	4
12VV1A0429	R42046	STRUCTURED DIGITAL DESIGN	20	54	4
12VV1A0429	R42049	REAL TIME OPERATING SYSTEMS	13	36	4
12VV1A0429	R4204B	PROJECT	48	146	12
12VV1A0430	R42041	CELLULAR AND MOBILE COMMUNICATIONS	20	64	4
12VV1A0430	R42043	SATELLITE COMMUNICATIONS	22	37	4
12VV1A0430	R42046	STRUCTURED DIGITAL DESIGN	13	48	4
12VV1A0430	R42049	REAL TIME OPERATING SYSTEMS	13	28	4
12VV1A0430	R4204B	PROJECT	48	143	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0431	R42041	CELLULAR AND MOBILE COMMUNICATIONS	21	70	4
12VV1A0431	R42043	SATELLITE COMMUNICATIONS	24	47	4
12VV1A0431	R42046	STRUCTURED DIGITAL DESIGN	18	49	4
12VV1A0431	R42049	REAL TIME OPERATING SYSTEMS	19	29	4
12VV1A0431	R4204B	PROJECT	48	144	12
12VV1A0432	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	66	4
12VV1A0432	R42043	SATELLITE COMMUNICATIONS	22	37	4
12VV1A0432	R42046	STRUCTURED DIGITAL DESIGN	17	55	4
12VV1A0432	R42049	REAL TIME OPERATING SYSTEMS	15	30	4
12VV1A0432	R4204B	PROJECT	48	145	12
12VV1A0433	R42041	CELLULAR AND MOBILE COMMUNICATIONS	14	66	4
12VV1A0433	R42043	SATELLITE COMMUNICATIONS	23	41	4
12VV1A0433	R42046	STRUCTURED DIGITAL DESIGN	14	42	4
12VV1A0433	R42049	REAL TIME OPERATING SYSTEMS	15	29	4
12VV1A0433	R4204B	PROJECT	48	139	12
12VV1A0434	R42041	CELLULAR AND MOBILE COMMUNICATIONS	18	60	4
12VV1A0434	R42043	SATELLITE COMMUNICATIONS	21	39	4
12VV1A0434	R42046	STRUCTURED DIGITAL DESIGN	17	48	4
12VV1A0434	R42049	REAL TIME OPERATING SYSTEMS	15	29	4
12VV1A0434	R4204B	PROJECT	47	144	12
12VV1A0435	R42041	CELLULAR AND MOBILE COMMUNICATIONS	15	65	4
12VV1A0435	R42043	SATELLITE COMMUNICATIONS	22	42	4
12VV1A0435	R42046	STRUCTURED DIGITAL DESIGN	14	58	4
12VV1A0435	R42049	REAL TIME OPERATING SYSTEMS	15	28	4
12VV1A0435	R4204B	PROJECT	47	143	12
12VV1A0436	R42041	CELLULAR AND MOBILE COMMUNICATIONS	14	55	4
12VV1A0436	R42043	SATELLITE COMMUNICATIONS	20	34	4
12VV1A0436	R42046	STRUCTURED DIGITAL DESIGN	13	43	4
12VV1A0436	R42049	REAL TIME OPERATING SYSTEMS	13	27	4
12VV1A0436	R4204B	PROJECT	48	142	12
12VV1A0437	R42041	CELLULAR AND MOBILE COMMUNICATIONS	18	63	4
12VV1A0437	R42043	SATELLITE COMMUNICATIONS	20	34	4
12VV1A0437	R42046	STRUCTURED DIGITAL DESIGN	13	30	4
12VV1A0437	R42049	REAL TIME OPERATING SYSTEMS	14	30	4
12VV1A0437	R4204B	PROJECT	48	143	12
12VV1A0438	R42041	CELLULAR AND MOBILE COMMUNICATIONS	15	63	4
12VV1A0438	R42043	SATELLITE COMMUNICATIONS	23	48	4
12VV1A0438	R42046	STRUCTURED DIGITAL DESIGN	18	55	4
12VV1A0438	R42049	REAL TIME OPERATING SYSTEMS	15	31	4
12VV1A0438	R4204B	PROJECT	47	142	12
12VV1A0439	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	64	4
12VV1A0439	R42043	SATELLITE COMMUNICATIONS	21	43	4
12VV1A0439	R42046	STRUCTURED DIGITAL DESIGN	16	49	4
12VV1A0439	R42049	REAL TIME OPERATING SYSTEMS	19	29	4
12VV1A0439	R4204B	PROJECT	49	146	12
12VV1A0440	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	70	4
12VV1A0440	R42043	SATELLITE COMMUNICATIONS	22	54	4
12VV1A0440	R42046	STRUCTURED DIGITAL DESIGN	14	56	4
12VV1A0440	R42049	REAL TIME OPERATING SYSTEMS	14	30	4
12VV1A0440	R4204B	PROJECT	49	146	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0441	R42041	CELLULAR AND MOBILE COMMUNICATIONS	17	60	4
12VV1A0441	R42043	SATELLITE COMMUNICATIONS	25	49	4
12VV1A0441	R42046	STRUCTURED DIGITAL DESIGN	14	44	4
12VV1A0441	R42049	REAL TIME OPERATING SYSTEMS	19	29	4
12VV1A0441	R4204B	PROJECT	48	144	12
12VV1A0442	R42041	CELLULAR AND MOBILE COMMUNICATIONS	16	62	4
12VV1A0442	R42043	SATELLITE COMMUNICATIONS	23	42	4
12VV1A0442	R42046	STRUCTURED DIGITAL DESIGN	18	52	4
12VV1A0442	R42049	REAL TIME OPERATING SYSTEMS	12	28	4
12VV1A0442	R4204B	PROJECT	48	147	12
12VV1A0443	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	68	4
12VV1A0443	R42043	SATELLITE COMMUNICATIONS	24	42	4
12VV1A0443	R42046	STRUCTURED DIGITAL DESIGN	14	55	4
12VV1A0443	R42049	REAL TIME OPERATING SYSTEMS	21	28	4
12VV1A0443	R4204B	PROJECT	47	142	12
12VV1A0444	R42041	CELLULAR AND MOBILE COMMUNICATIONS	17	66	4
12VV1A0444	R42043	SATELLITE COMMUNICATIONS	21	40	4
12VV1A0444	R42046	STRUCTURED DIGITAL DESIGN	15	59	4
12VV1A0444	R42049	REAL TIME OPERATING SYSTEMS	17	29	4
12VV1A0444	R4204B	PROJECT	45	142	12
12VV1A0445	R42041	CELLULAR AND MOBILE COMMUNICATIONS	19	72	4
12VV1A0445	R42043	SATELLITE COMMUNICATIONS	25	51	4
12VV1A0445	R42046	STRUCTURED DIGITAL DESIGN	13	55	4
12VV1A0445	R42049	REAL TIME OPERATING SYSTEMS	20	32	4
12VV1A0445	R4204B	PROJECT	48	146	12
12VV1A0446	R42041	CELLULAR AND MOBILE COMMUNICATIONS	20	65	4
12VV1A0446	R42043	SATELLITE COMMUNICATIONS	24	46	4
12VV1A0446	R42046	STRUCTURED DIGITAL DESIGN	15	45	4
12VV1A0446	R42049	REAL TIME OPERATING SYSTEMS	18	26	4
12VV1A0446	R4204B	PROJECT	49	148	12
12VV1A0447	R42041	CELLULAR AND MOBILE COMMUNICATIONS	14	66	4
12VV1A0447	R42043	SATELLITE COMMUNICATIONS	22	43	4
12VV1A0447	R42046	STRUCTURED DIGITAL DESIGN	13	53	4
12VV1A0447	R42049	REAL TIME OPERATING SYSTEMS	18	28	4
12VV1A0447	R4204B	PROJECT	48	141	12
12VV1A0448	R42041	CELLULAR AND MOBILE COMMUNICATIONS	18	69	4
12VV1A0448	R42043	SATELLITE COMMUNICATIONS	22	45	4
12VV1A0448	R42046	STRUCTURED DIGITAL DESIGN	13	52	4
12VV1A0448	R42049	REAL TIME OPERATING SYSTEMS	13	29	4
12VV1A0448	R4204B	PROJECT	47	144	12
12VV1A0449	R42041	CELLULAR AND MOBILE COMMUNICATIONS	14	60	4
12VV1A0449	R42043	SATELLITE COMMUNICATIONS	22	50	4
12VV1A0449	R42046	STRUCTURED DIGITAL DESIGN	12	58	4
12VV1A0449	R42049	REAL TIME OPERATING SYSTEMS	14	31	4
12VV1A0449	R4204B	PROJECT	43	139	12
12VV1A0450	R42041	CELLULAR AND MOBILE COMMUNICATIONS	18	61	4
12VV1A0450	R42043	SATELLITE COMMUNICATIONS	24	40	4
12VV1A0450	R42046	STRUCTURED DIGITAL DESIGN	16	56	4
12VV1A0450	R42049	REAL TIME OPERATING SYSTEMS	15	29	4
12VV1A0450	R4204B	PROJECT	45	139	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0451	R42041	CELLULAR AND MOBILE COMMUNICATIONS	20	59	4
12VV1A0451	R42043	SATELLITE COMMUNICATIONS	22	39	4
12VV1A0451	R42046	STRUCTURED DIGITAL DESIGN	15	43	4
12VV1A0451	R42049	REAL TIME OPERATING SYSTEMS	11	29	4
12VV1A0451	R4204B	PROJECT	48	144	12
12VV1A0452	R42041	CELLULAR AND MOBILE COMMUNICATIONS	18	64	4
12VV1A0452	R42043	SATELLITE COMMUNICATIONS	25	51	4
12VV1A0452	R42046	STRUCTURED DIGITAL DESIGN	13	56	4
12VV1A0452	R42049	REAL TIME OPERATING SYSTEMS	16	30	4
12VV1A0452	R4204B	PROJECT	49	146	12
12VV1A0453	R42041	CELLULAR AND MOBILE COMMUNICATIONS	21	70	4
12VV1A0453	R42043	SATELLITE COMMUNICATIONS	25	38	4
12VV1A0453	R42046	STRUCTURED DIGITAL DESIGN	19	56	4
12VV1A0453	R42049	REAL TIME OPERATING SYSTEMS	16	29	4
12VV1A0453	R4204B	PROJECT	48	145	12
12VV1A0454	R42041	CELLULAR AND MOBILE COMMUNICATIONS	23	70	4
12VV1A0454	R42043	SATELLITE COMMUNICATIONS	25	58	4
12VV1A0454	R42046	STRUCTURED DIGITAL DESIGN	14	52	4
12VV1A0454	R42049	REAL TIME OPERATING SYSTEMS	19	32	4
12VV1A0454	R4204B	PROJECT	49	147	12
12VV1A0456	R42041	CELLULAR AND MOBILE COMMUNICATIONS	15	63	4
12VV1A0456	R42043	SATELLITE COMMUNICATIONS	23	46	4
12VV1A0456	R42046	STRUCTURED DIGITAL DESIGN	14	55	4
12VV1A0456	R42049	REAL TIME OPERATING SYSTEMS	13	29	4
12VV1A0456	R4204B	PROJECT	46	142	12
12VV1A0457	R42041	CELLULAR AND MOBILE COMMUNICATIONS	15	41	4
12VV1A0457	R42043	SATELLITE COMMUNICATIONS	24	33	4
12VV1A0457	R42046	STRUCTURED DIGITAL DESIGN	12	45	4
12VV1A0457	R42049	REAL TIME OPERATING SYSTEMS	12	29	4
12VV1A0457	R4204B	PROJECT	49	145	12
12VV1A0459	R42041	CELLULAR AND MOBILE COMMUNICATIONS	22	67	4
12VV1A0459	R42043	SATELLITE COMMUNICATIONS	25	41	4
12VV1A0459	R42046	STRUCTURED DIGITAL DESIGN	15	55	4
12VV1A0459	R42049	REAL TIME OPERATING SYSTEMS	18	26	4
12VV1A0459	R4204B	PROJECT	48	145	12
12VV1A0460	R42041	CELLULAR AND MOBILE COMMUNICATIONS	14	47	4
12VV1A0460	R42043	SATELLITE COMMUNICATIONS	22	40	4
12VV1A0460	R42046	STRUCTURED DIGITAL DESIGN	13	52	4
12VV1A0460	R42049	REAL TIME OPERATING SYSTEMS	14	28	4
12VV1A0460	R4204B	PROJECT	44	140	12
12VV1A0501	R42051	DISTRIBUTED SYSTEMS	22	40	4
12VV1A0501	R42052	HUMAN COMPUTER INTERACTION	21	53	4
12VV1A0501	R4205A	ARTIFICIAL INTELLIGENCE	23	43	4
12VV1A0501	R4205G	E- COMMERCE	20	56	4
12VV1A0501	R4205H	PROJECT	47	148	12
12VV1A0502	R42051	DISTRIBUTED SYSTEMS	21	35	4
12VV1A0502	R42052	HUMAN COMPUTER INTERACTION	18	48	4
12VV1A0502	R4205A	ARTIFICIAL INTELLIGENCE	16	44	4
12VV1A0502	R4205G	E- COMMERCE	16	56	4
12VV1A0502	R4205H	PROJECT	25	128	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0503	R42051	DISTRIBUTED SYSTEMS	22	44	4
12VV1A0503	R42052	HUMAN COMPUTER INTERACTION	19	52	4
12VV1A0503	R4205A	ARTIFICIAL INTELLIGENCE	20	47	4
12VV1A0503	R4205G	E- COMMERCE	21	44	4
12VV1A0503	R4205H	PROJECT	46	145	12
12VV1A0504	R42051	DISTRIBUTED SYSTEMS	20	32	4
12VV1A0504	R42052	HUMAN COMPUTER INTERACTION	17	46	4
12VV1A0504	R4205A	ARTIFICIAL INTELLIGENCE	17	39	4
12VV1A0504	R4205G	E- COMMERCE	18	50	4
12VV1A0504	R4205H	PROJECT	42	138	12
12VV1A0505	R42051	DISTRIBUTED SYSTEMS	22	38	4
12VV1A0505	R42052	HUMAN COMPUTER INTERACTION	19	50	4
12VV1A0505	R4205A	ARTIFICIAL INTELLIGENCE	16	48	4
12VV1A0505	R4205G	E- COMMERCE	16	53	4
12VV1A0505	R4205H	PROJECT	40	142	12
12VV1A0506	R42051	DISTRIBUTED SYSTEMS	19	45	4
12VV1A0506	R42052	HUMAN COMPUTER INTERACTION	20	53	4
12VV1A0506	R4205A	ARTIFICIAL INTELLIGENCE	21	42	4
12VV1A0506	R4205G	E- COMMERCE	16	57	4
12VV1A0506	R4205H	PROJECT	28	132	12
12VV1A0507	R42051	DISTRIBUTED SYSTEMS	23	42	4
12VV1A0507	R42052	HUMAN COMPUTER INTERACTION	20	46	4
12VV1A0507	R4205A	ARTIFICIAL INTELLIGENCE	19	47	4
12VV1A0507	R4205G	E- COMMERCE	22	60	4
12VV1A0507	R4205H	PROJECT	35	140	12
12VV1A0508	R42051	DISTRIBUTED SYSTEMS	22	44	4
12VV1A0508	R42052	HUMAN COMPUTER INTERACTION	18	51	4
12VV1A0508	R4205A	ARTIFICIAL INTELLIGENCE	20	44	4
12VV1A0508	R4205G	E- COMMERCE	16	58	4
12VV1A0508	R4205H	PROJECT	38	144	12
12VV1A0509	R42051	DISTRIBUTED SYSTEMS	19	42	4
12VV1A0509	R42052	HUMAN COMPUTER INTERACTION	18	47	4
12VV1A0509	R4205A	ARTIFICIAL INTELLIGENCE	22	46	4
12VV1A0509	R4205G	E- COMMERCE	19	54	4
12VV1A0509	R4205H	PROJECT	30	138	12
12VV1A0510	R42051	DISTRIBUTED SYSTEMS	16	45	4
12VV1A0510	R42052	HUMAN COMPUTER INTERACTION	17	54	4
12VV1A0510	R4205A	ARTIFICIAL INTELLIGENCE	20	38	4
12VV1A0510	R4205G	E- COMMERCE	12	36	4
12VV1A0510	R4205H	PROJECT	42	142	12
12VV1A0511	R42051	DISTRIBUTED SYSTEMS	19	28	4
12VV1A0511	R42052	HUMAN COMPUTER INTERACTION	16	38	4
12VV1A0511	R4205A	ARTIFICIAL INTELLIGENCE	21	39	4
12VV1A0511	R4205G	E- COMMERCE	17	41	4
12VV1A0511	R4205H	PROJECT	45	144	12
12VV1A0512	R42051	DISTRIBUTED SYSTEMS	20	44	4
12VV1A0512	R42052	HUMAN COMPUTER INTERACTION	16	54	4
12VV1A0512	R4205A	ARTIFICIAL INTELLIGENCE	21	46	4
12VV1A0512	R4205G	E- COMMERCE	19	51	4
12VV1A0512	R4205H	PROJECT	35	138	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0513	R42051	DISTRIBUTED SYSTEMS	21	43	4
12VV1A0513	R42052	HUMAN COMPUTER INTERACTION	18	55	4
12VV1A0513	R4205A	ARTIFICIAL INTELLIGENCE	17	39	4
12VV1A0513	R4205G	E- COMMERCE	18	52	4
12VV1A0513	R4205H	PROJECT	46	145	12
12VV1A0514	R42051	DISTRIBUTED SYSTEMS	22	35	4
12VV1A0514	R42052	HUMAN COMPUTER INTERACTION	18	42	4
12VV1A0514	R4205A	ARTIFICIAL INTELLIGENCE	16	41	4
12VV1A0514	R4205G	E- COMMERCE	19	50	4
12VV1A0514	R4205H	PROJECT	39	140	12
12VV1A0515	R42051	DISTRIBUTED SYSTEMS	21	45	4
12VV1A0515	R42052	HUMAN COMPUTER INTERACTION	18	55	4
12VV1A0515	R4205A	ARTIFICIAL INTELLIGENCE	25	53	4
12VV1A0515	R4205G	E- COMMERCE	22	53	4
12VV1A0515	R4205H	PROJECT	46	146	12
12VV1A0516	R42051	DISTRIBUTED SYSTEMS	15	28	4
12VV1A0516	R42052	HUMAN COMPUTER INTERACTION	13	39	4
12VV1A0516	R4205A	ARTIFICIAL INTELLIGENCE	16	37	4
12VV1A0516	R4205G	E- COMMERCE	10	30	4
12VV1A0516	R4205H	PROJECT	45	146	12
12VV1A0517	R42051	DISTRIBUTED SYSTEMS	20	43	4
12VV1A0517	R42052	HUMAN COMPUTER INTERACTION	18	52	4
12VV1A0517	R4205A	ARTIFICIAL INTELLIGENCE	19	47	4
12VV1A0517	R4205G	E- COMMERCE	15	39	4
12VV1A0517	R4205H	PROJECT	30	132	12
12VV1A0518	R42051	DISTRIBUTED SYSTEMS	20	38	4
12VV1A0518	R42052	HUMAN COMPUTER INTERACTION	17	51	4
12VV1A0518	R4205A	ARTIFICIAL INTELLIGENCE	19	41	4
12VV1A0518	R4205G	E- COMMERCE	17	54	4
12VV1A0518	R4205H	PROJECT	25	128	12
12VV1A0519	R42051	DISTRIBUTED SYSTEMS	20	40	4
12VV1A0519	R42052	HUMAN COMPUTER INTERACTION	22	52	4
12VV1A0519	R4205A	ARTIFICIAL INTELLIGENCE	21	44	4
12VV1A0519	R4205G	E- COMMERCE	20	55	4
12VV1A0519	R4205H	PROJECT	44	144	12
12VV1A0520	R42051	DISTRIBUTED SYSTEMS	19	33	4
12VV1A0520	R42052	HUMAN COMPUTER INTERACTION	21	48	4
12VV1A0520	R4205A	ARTIFICIAL INTELLIGENCE	25	44	4
12VV1A0520	R4205G	E- COMMERCE	15	49	4
12VV1A0520	R4205H	PROJECT	30	134	12
12VV1A0521	R42051	DISTRIBUTED SYSTEMS	21	39	4
12VV1A0521	R42052	HUMAN COMPUTER INTERACTION	20	56	4
12VV1A0521	R4205A	ARTIFICIAL INTELLIGENCE	21	43	4
12VV1A0521	R4205G	E- COMMERCE	16	49	4
12VV1A0521	R4205H	PROJECT	30	138	12
12VV1A0522	R42051	DISTRIBUTED SYSTEMS	22	48	4
12VV1A0522	R42052	HUMAN COMPUTER INTERACTION	18	51	4
12VV1A0522	R4205A	ARTIFICIAL INTELLIGENCE	19	49	4
12VV1A0522	R4205G	E- COMMERCE	21	58	4
12VV1A0522	R4205H	PROJECT	44	145	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0525	R42051	DISTRIBUTED SYSTEMS	22	42	4
12VV1A0525	R42052	HUMAN COMPUTER INTERACTION	16	56	4
12VV1A0525	R4205A	ARTIFICIAL INTELLIGENCE	19	47	4
12VV1A0525	R4205G	E- COMMERCE	20	51	4
12VV1A0525	R4205H	PROJECT	36	132	12
12VV1A0526	R42051	DISTRIBUTED SYSTEMS	15	40	4
12VV1A0526	R42052	HUMAN COMPUTER INTERACTION	16	49	4
12VV1A0526	R4205A	ARTIFICIAL INTELLIGENCE	17	37	4
12VV1A0526	R4205G	E- COMMERCE	12	50	4
12VV1A0526	R4205H	PROJECT	28	128	12
12VV1A0527	R42051	DISTRIBUTED SYSTEMS	22	42	4
12VV1A0527	R42052	HUMAN COMPUTER INTERACTION	20	47	4
12VV1A0527	R4205A	ARTIFICIAL INTELLIGENCE	17	37	4
12VV1A0527	R4205G	E- COMMERCE	13	46	4
12VV1A0527	R4205H	PROJECT	25	128	12
12VV1A0528	R42051	DISTRIBUTED SYSTEMS	18	32	4
12VV1A0528	R42052	HUMAN COMPUTER INTERACTION	15	53	4
12VV1A0528	R4205A	ARTIFICIAL INTELLIGENCE	16	40	4
12VV1A0528	R4205G	E- COMMERCE	15	42	4
12VV1A0528	R4205H	PROJECT	28	125	12
12VV1A0529	R42051	DISTRIBUTED SYSTEMS	20	32	4
12VV1A0529	R42052	HUMAN COMPUTER INTERACTION	17	53	4
12VV1A0529	R4205A	ARTIFICIAL INTELLIGENCE	22	35	4
12VV1A0529	R4205G	E- COMMERCE	15	51	4
12VV1A0529	R4205H	PROJECT	28	130	12
12VV1A0530	R42051	DISTRIBUTED SYSTEMS	22	38	4
12VV1A0530	R42052	HUMAN COMPUTER INTERACTION	19	52	4
12VV1A0530	R4205A	ARTIFICIAL INTELLIGENCE	21	48	4
12VV1A0530	R4205G	E- COMMERCE	17	51	4
12VV1A0530	R4205H	PROJECT	40	140	12
12VV1A0531	R42051	DISTRIBUTED SYSTEMS	22	33	4
12VV1A0531	R42052	HUMAN COMPUTER INTERACTION	20	50	4
12VV1A0531	R4205A	ARTIFICIAL INTELLIGENCE	22	38	4
12VV1A0531	R4205G	E- COMMERCE	13	47	4
12VV1A0531	R4205H	PROJECT	44	144	12
12VV1A0532	R42051	DISTRIBUTED SYSTEMS	20	34	4
12VV1A0532	R42052	HUMAN COMPUTER INTERACTION	19	45	4
12VV1A0532	R4205A	ARTIFICIAL INTELLIGENCE	23	44	4
12VV1A0532	R4205G	E- COMMERCE	16	40	4
12VV1A0532	R4205H	PROJECT	46	147	12
12VV1A0533	R42051	DISTRIBUTED SYSTEMS	21	36	4
12VV1A0533	R42052	HUMAN COMPUTER INTERACTION	18	42	4
12VV1A0533	R4205A	ARTIFICIAL INTELLIGENCE	22	45	4
12VV1A0533	R4205G	E- COMMERCE	16	48	4
12VV1A0533	R4205H	PROJECT	25	146	12
12VV1A0534	R42051	DISTRIBUTED SYSTEMS	18	34	4
12VV1A0534	R42052	HUMAN COMPUTER INTERACTION	13	33	4
12VV1A0534	R4205A	ARTIFICIAL INTELLIGENCE	17	33	4
12VV1A0534	R4205G	E- COMMERCE	19	43	4
12VV1A0534	R4205H	PROJECT	44	140	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0535	R42051	DISTRIBUTED SYSTEMS	23	18	0
12VV1A0535	R42052	HUMAN COMPUTER INTERACTION	21	51	4
12VV1A0535	R4205A	ARTIFICIAL INTELLIGENCE	19	32	4
12VV1A0535	R4205G	E- COMMERCE	17	49	4
12VV1A0535	R4205H	PROJECT	35	140	12
12VV1A0536	R42051	DISTRIBUTED SYSTEMS	22	35	4
12VV1A0536	R42052	HUMAN COMPUTER INTERACTION	19	52	4
12VV1A0536	R4205A	ARTIFICIAL INTELLIGENCE	20	46	4
12VV1A0536	R4205G	E- COMMERCE	19	59	4
12VV1A0536	R4205H	PROJECT	40	138	12
12VV1A0537	R42051	DISTRIBUTED SYSTEMS	18	37	4
12VV1A0537	R42052	HUMAN COMPUTER INTERACTION	19	47	4
12VV1A0537	R4205A	ARTIFICIAL INTELLIGENCE	18	49	4
12VV1A0537	R4205G	E- COMMERCE	16	54	4
12VV1A0537	R4205H	PROJECT	30	130	12
12VV1A0539	R42051	DISTRIBUTED SYSTEMS	20	27	4
12VV1A0539	R42052	HUMAN COMPUTER INTERACTION	11	19	0
12VV1A0539	R4205A	ARTIFICIAL INTELLIGENCE	18	13	0
12VV1A0539	R4205G	E- COMMERCE	5	35	4
12VV1A0539	R4205H	PROJECT	25	128	12
12VV1A0540	R42051	DISTRIBUTED SYSTEMS	23	45	4
12VV1A0540	R42052	HUMAN COMPUTER INTERACTION	20	51	4
12VV1A0540	R4205A	ARTIFICIAL INTELLIGENCE	21	51	4
12VV1A0540	R4205G	E- COMMERCE	17	52	4
12VV1A0540	R4205H	PROJECT	30	130	12
12VV1A0541	R42051	DISTRIBUTED SYSTEMS	19	33	4
12VV1A0541	R42052	HUMAN COMPUTER INTERACTION	22	27	4
12VV1A0541	R4205A	ARTIFICIAL INTELLIGENCE	18	46	4
12VV1A0541	R4205G	E- COMMERCE	21	37	4
12VV1A0541	R4205H	PROJECT	38	142	12
12VV1A0542	R42051	DISTRIBUTED SYSTEMS	20	43	4
12VV1A0542	R42052	HUMAN COMPUTER INTERACTION	19	46	4
12VV1A0542	R4205A	ARTIFICIAL INTELLIGENCE	18	44	4
12VV1A0542	R4205G	E- COMMERCE	19	39	4
12VV1A0542	R4205H	PROJECT	40	142	12
12VV1A0543	R42051	DISTRIBUTED SYSTEMS	22	52	4
12VV1A0543	R42052	HUMAN COMPUTER INTERACTION	22	41	4
12VV1A0543	R4205A	ARTIFICIAL INTELLIGENCE	25	49	4
12VV1A0543	R4205G	E- COMMERCE	16	53	4
12VV1A0543	R4205H	PROJECT	38	144	12
12VV1A0544	R42051	DISTRIBUTED SYSTEMS	21	45	4
12VV1A0544	R42052	HUMAN COMPUTER INTERACTION	21	45	4
12VV1A0544	R4205A	ARTIFICIAL INTELLIGENCE	17	47	4
12VV1A0544	R4205G	E- COMMERCE	15	49	4
12VV1A0544	R4205H	PROJECT	20	140	12
12VV1A0545	R42051	DISTRIBUTED SYSTEMS	23	42	4
12VV1A0545	R42052	HUMAN COMPUTER INTERACTION	21	49	4
12VV1A0545	R4205A	ARTIFICIAL INTELLIGENCE	23	50	4
12VV1A0545	R4205G	E- COMMERCE	16	52	4
12VV1A0545	R4205H	PROJECT	38	147	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0546	R42051	DISTRIBUTED SYSTEMS	21	33	4
12VV1A0546	R42052	HUMAN COMPUTER INTERACTION	20	40	4
12VV1A0546	R4205A	ARTIFICIAL INTELLIGENCE	17	43	4
12VV1A0546	R4205G	E- COMMERCE	9	31	4
12VV1A0546	R4205H	PROJECT	42	140	12
12VV1A0547	R42051	DISTRIBUTED SYSTEMS	19	31	4
12VV1A0547	R42052	HUMAN COMPUTER INTERACTION	21	43	4
12VV1A0547	R4205A	ARTIFICIAL INTELLIGENCE	19	40	4
12VV1A0547	R4205G	E- COMMERCE	18	43	4
12VV1A0547	R4205H	PROJECT	45	140	12
12VV1A0548	R42051	DISTRIBUTED SYSTEMS	20	28	4
12VV1A0548	R42052	HUMAN COMPUTER INTERACTION	16	40	4
12VV1A0548	R4205A	ARTIFICIAL INTELLIGENCE	20	39	4
12VV1A0548	R4205G	E- COMMERCE	14	30	4
12VV1A0548	R4205H	PROJECT	39	144	12
12VV1A0549	R42051	DISTRIBUTED SYSTEMS	20	9	0
12VV1A0549	R42052	HUMAN COMPUTER INTERACTION	19	50	4
12VV1A0549	R4205A	ARTIFICIAL INTELLIGENCE	20	9	0
12VV1A0549	R4205G	E- COMMERCE	15	43	4
12VV1A0549	R4205H	PROJECT	42	148	12
12VV1A0550	R42051	DISTRIBUTED SYSTEMS	18	37	4
12VV1A0550	R42052	HUMAN COMPUTER INTERACTION	19	54	4
12VV1A0550	R4205A	ARTIFICIAL INTELLIGENCE	22	51	4
12VV1A0550	R4205G	E- COMMERCE	17	51	4
12VV1A0550	R4205H	PROJECT	46	148	12
12VV1A0551	R42051	DISTRIBUTED SYSTEMS	21	43	4
12VV1A0551	R42052	HUMAN COMPUTER INTERACTION	21	53	4
12VV1A0551	R4205A	ARTIFICIAL INTELLIGENCE	19	47	4
12VV1A0551	R4205G	E- COMMERCE	21	55	4
12VV1A0551	R4205H	PROJECT	25	138	12
12VV1A0552	R42051	DISTRIBUTED SYSTEMS	23	38	4
12VV1A0552	R42052	HUMAN COMPUTER INTERACTION	22	54	4
12VV1A0552	R4205A	ARTIFICIAL INTELLIGENCE	25	45	4
12VV1A0552	R4205G	E- COMMERCE	12	52	4
12VV1A0552	R4205H	PROJECT	25	148	12
12VV1A0553	R42051	DISTRIBUTED SYSTEMS	23	41	4
12VV1A0553	R42052	HUMAN COMPUTER INTERACTION	24	53	4
12VV1A0553	R4205A	ARTIFICIAL INTELLIGENCE	19	39	4
12VV1A0553	R4205G	E- COMMERCE	21	54	4
12VV1A0553	R4205H	PROJECT	30	130	12
12VV1A0554	R42051	DISTRIBUTED SYSTEMS	20	46	4
12VV1A0554	R42052	HUMAN COMPUTER INTERACTION	20	53	4
12VV1A0554	R4205A	ARTIFICIAL INTELLIGENCE	18	49	4
12VV1A0554	R4205G	E- COMMERCE	20	52	4
12VV1A0554	R4205H	PROJECT	30	132	12
12VV1A0555	R42051	DISTRIBUTED SYSTEMS	23	38	4
12VV1A0555	R42052	HUMAN COMPUTER INTERACTION	20	49	4
12VV1A0555	R4205A	ARTIFICIAL INTELLIGENCE	25	43	4
12VV1A0555	R4205G	E- COMMERCE	18	60	4
12VV1A0555	R4205H	PROJECT	35	142	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A0556	R42051	DISTRIBUTED SYSTEMS	23	48	4
12VV1A0556	R42052	HUMAN COMPUTER INTERACTION	21	53	4
12VV1A0556	R4205A	ARTIFICIAL INTELLIGENCE	19	51	4
12VV1A0556	R4205G	E- COMMERCE	17	51	4
12VV1A0556	R4205H	PROJECT	42	148	12
12VV1A0557	R42051	DISTRIBUTED SYSTEMS	22	43	4
12VV1A0557	R42052	HUMAN COMPUTER INTERACTION	20	55	4
12VV1A0557	R4205A	ARTIFICIAL INTELLIGENCE	17	46	4
12VV1A0557	R4205G	E- COMMERCE	18	57	4
12VV1A0557	R4205H	PROJECT	38	144	12
12VV1A0558	R42051	DISTRIBUTED SYSTEMS	22	49	4
12VV1A0558	R42052	HUMAN COMPUTER INTERACTION	22	54	4
12VV1A0558	R4205A	ARTIFICIAL INTELLIGENCE	24	50	4
12VV1A0558	R4205G	E- COMMERCE	24	58	4
12VV1A0558	R4205H	PROJECT	45	148	12
12VV1A0559	R42051	DISTRIBUTED SYSTEMS	22	41	4
12VV1A0559	R42052	HUMAN COMPUTER INTERACTION	14	47	4
12VV1A0559	R4205A	ARTIFICIAL INTELLIGENCE	17	47	4
12VV1A0559	R4205G	E- COMMERCE	20	55	4
12VV1A0559	R4205H	PROJECT	33	132	12
12VV1A0560	R42051	DISTRIBUTED SYSTEMS	21	34	4
12VV1A0560	R42052	HUMAN COMPUTER INTERACTION	20	52	4
12VV1A0560	R4205A	ARTIFICIAL INTELLIGENCE	18	40	4
12VV1A0560	R4205G	E- COMMERCE	15	48	4
12VV1A0560	R4205H	PROJECT	30	134	12
12VV1A1201	R42052	HUMAN COMPUTER INTERACTION	16	48	4
12VV1A1201	R4205D	NEURAL NETWORKS & SOFT COMPUTING	17	37	4
12VV1A1201	R42121	SOFTWARE PROJECT MANAGEMENT	24	50	4
12VV1A1201	R42123	MACHINE LEARNING	19	40	4
12VV1A1201	R42125	PROJECT	44	138	12
12VV1A1202	R42052	HUMAN COMPUTER INTERACTION	18	44	4
12VV1A1202	R4205D	NEURAL NETWORKS & SOFT COMPUTING	16	46	4
12VV1A1202	R42121	SOFTWARE PROJECT MANAGEMENT	25	60	4
12VV1A1202	R42123	MACHINE LEARNING	23	66	4
12VV1A1202	R42125	PROJECT	48	148	12
12VV1A1203	R42052	HUMAN COMPUTER INTERACTION	10	32	4
12VV1A1203	R4205D	NEURAL NETWORKS & SOFT COMPUTING	9	25	0
12VV1A1203	R42121	SOFTWARE PROJECT MANAGEMENT	19	40	4
12VV1A1203	R42123	MACHINE LEARNING	8	27	0
12VV1A1203	R42125	PROJECT	42	121	12
12VV1A1204	R42052	HUMAN COMPUTER INTERACTION	14	39	4
12VV1A1204	R4205D	NEURAL NETWORKS & SOFT COMPUTING	9	35	4
12VV1A1204	R42121	SOFTWARE PROJECT MANAGEMENT	17	36	4
12VV1A1204	R42123	MACHINE LEARNING	7	36	4
12VV1A1204	R42125	PROJECT	42	135	12
12VV1A1205	R42052	HUMAN COMPUTER INTERACTION	16	45	4
12VV1A1205	R4205D	NEURAL NETWORKS & SOFT COMPUTING	16	48	4
12VV1A1205	R42121	SOFTWARE PROJECT MANAGEMENT	22	48	4
12VV1A1205	R42123	MACHINE LEARNING	11	53	4
12VV1A1205	R42125	PROJECT	48	142	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A1206	R42052	HUMAN COMPUTER INTERACTION	19	50	4
12VV1A1206	R4205D	NEURAL NETWORKS & SOFT COMPUTING	16	52	4
12VV1A1206	R42121	SOFTWARE PROJECT MANAGEMENT	24	54	4
12VV1A1206	R42123	MACHINE LEARNING	11	41	4
12VV1A1206	R42125	PROJECT	45	129	12
12VV1A1207	R42052	HUMAN COMPUTER INTERACTION	15	43	4
12VV1A1207	R4205D	NEURAL NETWORKS & SOFT COMPUTING	5	35	4
12VV1A1207	R42121	SOFTWARE PROJECT MANAGEMENT	22	53	4
12VV1A1207	R42123	MACHINE LEARNING	18	26	4
12VV1A1207	R42125	PROJECT	41	142	12
12VV1A1208	R42052	HUMAN COMPUTER INTERACTION	16	45	4
12VV1A1208	R4205D	NEURAL NETWORKS & SOFT COMPUTING	16	44	4
12VV1A1208	R42121	SOFTWARE PROJECT MANAGEMENT	20	56	4
12VV1A1208	R42123	MACHINE LEARNING	14	54	4
12VV1A1208	R42125	PROJECT	47	148	12
12VV1A1209	R42052	HUMAN COMPUTER INTERACTION	18	45	4
12VV1A1209	R4205D	NEURAL NETWORKS & SOFT COMPUTING	16	50	4
12VV1A1209	R42121	SOFTWARE PROJECT MANAGEMENT	23	64	4
12VV1A1209	R42123	MACHINE LEARNING	15	56	4
12VV1A1209	R42125	PROJECT	46	143	12
12VV1A1210	R42052	HUMAN COMPUTER INTERACTION	18	45	4
12VV1A1210	R4205D	NEURAL NETWORKS & SOFT COMPUTING	22	56	4
12VV1A1210	R42121	SOFTWARE PROJECT MANAGEMENT	23	54	4
12VV1A1210	R42123	MACHINE LEARNING	17	55	4
12VV1A1210	R42125	PROJECT	49	148	12
12VV1A1211	R42052	HUMAN COMPUTER INTERACTION	19	55	4
12VV1A1211	R4205D	NEURAL NETWORKS & SOFT COMPUTING	12	54	4
12VV1A1211	R42121	SOFTWARE PROJECT MANAGEMENT	24	63	4
12VV1A1211	R42123	MACHINE LEARNING	14	60	4
12VV1A1211	R42125	PROJECT	48	142	12
12VV1A1212	R42052	HUMAN COMPUTER INTERACTION	18	47	4
12VV1A1212	R4205D	NEURAL NETWORKS & SOFT COMPUTING	18	53	4
12VV1A1212	R42121	SOFTWARE PROJECT MANAGEMENT	24	56	4
12VV1A1212	R42123	MACHINE LEARNING	15	55	4
12VV1A1212	R42125	PROJECT	46	142	12
12VV1A1213	R42052	HUMAN COMPUTER INTERACTION	16	42	4
12VV1A1213	R4205D	NEURAL NETWORKS & SOFT COMPUTING	21	49	4
12VV1A1213	R42121	SOFTWARE PROJECT MANAGEMENT	22	41	4
12VV1A1213	R42123	MACHINE LEARNING	14	45	4
12VV1A1213	R42125	PROJECT	45	143	12
12VV1A1214	R42052	HUMAN COMPUTER INTERACTION	19	47	4
12VV1A1214	R4205D	NEURAL NETWORKS & SOFT COMPUTING	18	41	4
12VV1A1214	R42121	SOFTWARE PROJECT MANAGEMENT	24	54	4
12VV1A1214	R42123	MACHINE LEARNING	17	59	4
12VV1A1214	R42125	PROJECT	46	143	12
12VV1A1215	R42052	HUMAN COMPUTER INTERACTION	21	51	4
12VV1A1215	R4205D	NEURAL NETWORKS & SOFT COMPUTING	16	56	4
12VV1A1215	R42121	SOFTWARE PROJECT MANAGEMENT	24	55	4
12VV1A1215	R42123	MACHINE LEARNING	14	56	4
12VV1A1215	R42125	PROJECT	46	143	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A1216	R42052	HUMAN COMPUTER INTERACTION	15	37	4
12VV1A1216	R4205D	NEURAL NETWORKS & SOFT COMPUTING	9	31	4
12VV1A1216	R42121	SOFTWARE PROJECT MANAGEMENT	18	46	4
12VV1A1216	R42123	MACHINE LEARNING	8	46	4
12VV1A1216	R42125	PROJECT	42	121	12
12VV1A1217	R42052	HUMAN COMPUTER INTERACTION	17	44	4
12VV1A1217	R4205D	NEURAL NETWORKS & SOFT COMPUTING	14	36	4
12VV1A1217	R42121	SOFTWARE PROJECT MANAGEMENT	23	47	4
12VV1A1217	R42123	MACHINE LEARNING	13	54	4
12VV1A1217	R42125	PROJECT	45	147	12
12VV1A1218	R42052	HUMAN COMPUTER INTERACTION	11	35	4
12VV1A1218	R4205D	NEURAL NETWORKS & SOFT COMPUTING	10	31	4
12VV1A1218	R42121	SOFTWARE PROJECT MANAGEMENT	20	47	4
12VV1A1218	R42123	MACHINE LEARNING	10	35	4
12VV1A1218	R42125	PROJECT	44	132	12
12VV1A1219	R42052	HUMAN COMPUTER INTERACTION	16	46	4
12VV1A1219	R4205D	NEURAL NETWORKS & SOFT COMPUTING	9	46	4
12VV1A1219	R42121	SOFTWARE PROJECT MANAGEMENT	24	59	4
12VV1A1219	R42123	MACHINE LEARNING	13	48	4
12VV1A1219	R42125	PROJECT	47	137	12
12VV1A1220	R42052	HUMAN COMPUTER INTERACTION	16	52	4
12VV1A1220	R4205D	NEURAL NETWORKS & SOFT COMPUTING	8	38	4
12VV1A1220	R42121	SOFTWARE PROJECT MANAGEMENT	24	46	4
12VV1A1220	R42123	MACHINE LEARNING	12	52	4
12VV1A1220	R42125	PROJECT	46	142	12
12VV1A1221	R42052	HUMAN COMPUTER INTERACTION	19	49	4
12VV1A1221	R4205D	NEURAL NETWORKS & SOFT COMPUTING	15	44	4
12VV1A1221	R42121	SOFTWARE PROJECT MANAGEMENT	21	51	4
12VV1A1221	R42123	MACHINE LEARNING	12	43	4
12VV1A1221	R42125	PROJECT	41	127	12
12VV1A1222	R42052	HUMAN COMPUTER INTERACTION	14	46	4
12VV1A1222	R4205D	NEURAL NETWORKS & SOFT COMPUTING	15	42	4
12VV1A1222	R42121	SOFTWARE PROJECT MANAGEMENT	23	56	4
12VV1A1222	R42123	MACHINE LEARNING	7	46	4
12VV1A1222	R42125	PROJECT	45	121	12
12VV1A1223	R42052	HUMAN COMPUTER INTERACTION	19	53	4
12VV1A1223	R4205D	NEURAL NETWORKS & SOFT COMPUTING	17	46	4
12VV1A1223	R42121	SOFTWARE PROJECT MANAGEMENT	23	48	4
12VV1A1223	R42123	MACHINE LEARNING	10	61	4
12VV1A1223	R42125	PROJECT	45	142	12
12VV1A1224	R42052	HUMAN COMPUTER INTERACTION	15	53	4
12VV1A1224	R4205D	NEURAL NETWORKS & SOFT COMPUTING	9	54	4
12VV1A1224	R42121	SOFTWARE PROJECT MANAGEMENT	22	54	4
12VV1A1224	R42123	MACHINE LEARNING	12	50	4
12VV1A1224	R42125	PROJECT	45	143	12
12VV1A1225	R42052	HUMAN COMPUTER INTERACTION	18	55	4
12VV1A1225	R4205D	NEURAL NETWORKS & SOFT COMPUTING	12	58	4
12VV1A1225	R42121	SOFTWARE PROJECT MANAGEMENT	24	65	4
12VV1A1225	R42123	MACHINE LEARNING	14	65	4
12VV1A1225	R42125	PROJECT	49	148	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A1226	R42052	HUMAN COMPUTER INTERACTION	16	40	4
12VV1A1226	R4205D	NEURAL NETWORKS & SOFT COMPUTING	17	53	4
12VV1A1226	R42121	SOFTWARE PROJECT MANAGEMENT	21	51	4
12VV1A1226	R42123	MACHINE LEARNING	12	50	4
12VV1A1226	R42125	PROJECT	45	143	12
12VV1A1227	R42052	HUMAN COMPUTER INTERACTION	24	47	4
12VV1A1227	R4205D	NEURAL NETWORKS & SOFT COMPUTING	17	60	4
12VV1A1227	R42121	SOFTWARE PROJECT MANAGEMENT	24	62	4
12VV1A1227	R42123	MACHINE LEARNING	20	60	4
12VV1A1227	R42125	PROJECT	49	148	12
12VV1A1228	R42052	HUMAN COMPUTER INTERACTION	16	41	4
12VV1A1228	R4205D	NEURAL NETWORKS & SOFT COMPUTING	15	36	4
12VV1A1228	R42121	SOFTWARE PROJECT MANAGEMENT	24	51	4
12VV1A1228	R42123	MACHINE LEARNING	14	51	4
12VV1A1228	R42125	PROJECT	45	122	12
12VV1A1229	R42052	HUMAN COMPUTER INTERACTION	20	50	4
12VV1A1229	R4205D	NEURAL NETWORKS & SOFT COMPUTING	18	52	4
12VV1A1229	R42121	SOFTWARE PROJECT MANAGEMENT	24	56	4
12VV1A1229	R42123	MACHINE LEARNING	20	59	4
12VV1A1229	R42125	PROJECT	48	148	12
12VV1A1230	R42052	HUMAN COMPUTER INTERACTION	18	51	4
12VV1A1230	R4205D	NEURAL NETWORKS & SOFT COMPUTING	17	43	4
12VV1A1230	R42121	SOFTWARE PROJECT MANAGEMENT	24	57	4
12VV1A1230	R42123	MACHINE LEARNING	14	51	4
12VV1A1230	R42125	PROJECT	46	143	12
12VV1A1231	R42052	HUMAN COMPUTER INTERACTION	15	40	4
12VV1A1231	R4205D	NEURAL NETWORKS & SOFT COMPUTING	13	38	4
12VV1A1231	R42121	SOFTWARE PROJECT MANAGEMENT	23	53	4
12VV1A1231	R42123	MACHINE LEARNING	12	56	4
12VV1A1231	R42125	PROJECT	41	121	12
12VV1A1232	R42052	HUMAN COMPUTER INTERACTION	12	28	4
12VV1A1232	R4205D	NEURAL NETWORKS & SOFT COMPUTING	8	37	4
12VV1A1232	R42121	SOFTWARE PROJECT MANAGEMENT	23	44	4
12VV1A1232	R42123	MACHINE LEARNING	11	39	4
12VV1A1232	R42125	PROJECT	42	141	12
12VV1A1233	R42052	HUMAN COMPUTER INTERACTION	12	36	4
12VV1A1233	R4205D	NEURAL NETWORKS & SOFT COMPUTING	11	44	4
12VV1A1233	R42121	SOFTWARE PROJECT MANAGEMENT	21	52	4
12VV1A1233	R42123	MACHINE LEARNING	9	36	4
12VV1A1233	R42125	PROJECT	44	129	12
12VV1A1234	R42052	HUMAN COMPUTER INTERACTION	22	57	4
12VV1A1234	R4205D	NEURAL NETWORKS & SOFT COMPUTING	21	41	4
12VV1A1234	R42121	SOFTWARE PROJECT MANAGEMENT	24	59	4
12VV1A1234	R42123	MACHINE LEARNING	23	52	4
12VV1A1234	R42125	PROJECT	48	148	12
12VV1A1235	R42052	HUMAN COMPUTER INTERACTION	18	47	4
12VV1A1235	R4205D	NEURAL NETWORKS & SOFT COMPUTING	14	29	4
12VV1A1235	R42121	SOFTWARE PROJECT MANAGEMENT	22	54	4
12VV1A1235	R42123	MACHINE LEARNING	21	58	4
12VV1A1235	R42125	PROJECT	46	127	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A1236	R42052	HUMAN COMPUTER INTERACTION	19	41	4
12VV1A1236	R4205D	NEURAL NETWORKS & SOFT COMPUTING	14	45	4
12VV1A1236	R42121	SOFTWARE PROJECT MANAGEMENT	24	45	4
12VV1A1236	R42123	MACHINE LEARNING	23	47	4
12VV1A1236	R42125	PROJECT	48	148	12
12VV1A1237	R42052	HUMAN COMPUTER INTERACTION	20	48	4
12VV1A1237	R4205D	NEURAL NETWORKS & SOFT COMPUTING	20	48	4
12VV1A1237	R42121	SOFTWARE PROJECT MANAGEMENT	24	65	4
12VV1A1237	R42123	MACHINE LEARNING	23	57	4
12VV1A1237	R42125	PROJECT	49	148	12
12VV1A1238	R42052	HUMAN COMPUTER INTERACTION	17	47	4
12VV1A1238	R4205D	NEURAL NETWORKS & SOFT COMPUTING	17	46	4
12VV1A1238	R42121	SOFTWARE PROJECT MANAGEMENT	25	61	4
12VV1A1238	R42123	MACHINE LEARNING	20	54	4
12VV1A1238	R42125	PROJECT	46	127	12
12VV1A1239	R42052	HUMAN COMPUTER INTERACTION	20	53	4
12VV1A1239	R4205D	NEURAL NETWORKS & SOFT COMPUTING	17	50	4
12VV1A1239	R42121	SOFTWARE PROJECT MANAGEMENT	25	60	4
12VV1A1239	R42123	MACHINE LEARNING	21	56	4
12VV1A1239	R42125	PROJECT	47	148	12
12VV1A1240	R42052	HUMAN COMPUTER INTERACTION	18	43	4
12VV1A1240	R4205D	NEURAL NETWORKS & SOFT COMPUTING	15	37	4
12VV1A1240	R42121	SOFTWARE PROJECT MANAGEMENT	23	41	4
12VV1A1240	R42123	MACHINE LEARNING	22	33	4
12VV1A1240	R42125	PROJECT	46	142	12
12VV1A1241	R42052	HUMAN COMPUTER INTERACTION	17	37	4
12VV1A1241	R4205D	NEURAL NETWORKS & SOFT COMPUTING	19	41	4
12VV1A1241	R42121	SOFTWARE PROJECT MANAGEMENT	24	48	4
12VV1A1241	R42123	MACHINE LEARNING	20	45	4
12VV1A1241	R42125	PROJECT	49	148	12
12VV1A1242	R42052	HUMAN COMPUTER INTERACTION	17	48	4
12VV1A1242	R4205D	NEURAL NETWORKS & SOFT COMPUTING	18	49	4
12VV1A1242	R42121	SOFTWARE PROJECT MANAGEMENT	23	50	4
12VV1A1242	R42123	MACHINE LEARNING	22	59	4
12VV1A1242	R42125	PROJECT	46	147	12
12VV1A1243	R42052	HUMAN COMPUTER INTERACTION	20	46	4
12VV1A1243	R4205D	NEURAL NETWORKS & SOFT COMPUTING	18	48	4
12VV1A1243	R42121	SOFTWARE PROJECT MANAGEMENT	24	65	4
12VV1A1243	R42123	MACHINE LEARNING	11	56	4
12VV1A1243	R42125	PROJECT	49	148	12
12VV1A1244	R42052	HUMAN COMPUTER INTERACTION	19	52	4
12VV1A1244	R4205D	NEURAL NETWORKS & SOFT COMPUTING	18	52	4
12VV1A1244	R42121	SOFTWARE PROJECT MANAGEMENT	24	52	4
12VV1A1244	R42123	MACHINE LEARNING	12	49	4
12VV1A1244	R42125	PROJECT	46	142	12
12VV1A1245	R42052	HUMAN COMPUTER INTERACTION	20	54	4
12VV1A1245	R4205D	NEURAL NETWORKS & SOFT COMPUTING	16	51	4
12VV1A1245	R42121	SOFTWARE PROJECT MANAGEMENT	25	63	4
12VV1A1245	R42123	MACHINE LEARNING	21	48	4
12VV1A1245	R42125	PROJECT	43	128	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A1246	R42052	HUMAN COMPUTER INTERACTION	15	44	4
12VV1A1246	R4205D	NEURAL NETWORKS & SOFT COMPUTING	19	42	4
12VV1A1246	R42121	SOFTWARE PROJECT MANAGEMENT	23	49	4
12VV1A1246	R42123	MACHINE LEARNING	18	47	4
12VV1A1246	R42125	PROJECT	43	132	12
12VV1A1247	R42052	HUMAN COMPUTER INTERACTION	19	50	4
12VV1A1247	R4205D	NEURAL NETWORKS & SOFT COMPUTING	21	54	4
12VV1A1247	R42121	SOFTWARE PROJECT MANAGEMENT	24	50	4
12VV1A1247	R42123	MACHINE LEARNING	21	60	4
12VV1A1247	R42125	PROJECT	47	144	12
12VV1A1248	R42052	HUMAN COMPUTER INTERACTION	19	56	4
12VV1A1248	R4205D	NEURAL NETWORKS & SOFT COMPUTING	19	53	4
12VV1A1248	R42121	SOFTWARE PROJECT MANAGEMENT	25	54	4
12VV1A1248	R42123	MACHINE LEARNING	12	59	4
12VV1A1248	R42125	PROJECT	46	129	12
12VV1A1249	R42052	HUMAN COMPUTER INTERACTION	19	45	4
12VV1A1249	R4205D	NEURAL NETWORKS & SOFT COMPUTING	19	56	4
12VV1A1249	R42121	SOFTWARE PROJECT MANAGEMENT	24	53	4
12VV1A1249	R42123	MACHINE LEARNING	21	44	4
12VV1A1249	R42125	PROJECT	46	142	12
12VV1A1250	R42052	HUMAN COMPUTER INTERACTION	18	48	4
12VV1A1250	R4205D	NEURAL NETWORKS & SOFT COMPUTING	19	53	4
12VV1A1250	R42121	SOFTWARE PROJECT MANAGEMENT	24	58	4
12VV1A1250	R42123	MACHINE LEARNING	22	52	4
12VV1A1250	R42125	PROJECT	46	147	12
12VV1A1251	R42052	HUMAN COMPUTER INTERACTION	19	50	4
12VV1A1251	R4205D	NEURAL NETWORKS & SOFT COMPUTING	11	54	4
12VV1A1251	R42121	SOFTWARE PROJECT MANAGEMENT	23	53	4
12VV1A1251	R42123	MACHINE LEARNING	11	47	4
12VV1A1251	R42125	PROJECT	46	142	12
12VV1A1252	R42052	HUMAN COMPUTER INTERACTION	17	32	4
12VV1A1252	R4205D	NEURAL NETWORKS & SOFT COMPUTING	12	22	0
12VV1A1252	R42121	SOFTWARE PROJECT MANAGEMENT	17	33	4
12VV1A1252	R42123	MACHINE LEARNING	8	26	0
12VV1A1252	R42125	PROJECT	42	120	12
12VV1A1253	R42052	HUMAN COMPUTER INTERACTION	20	51	4
12VV1A1253	R4205D	NEURAL NETWORKS & SOFT COMPUTING	21	51	4
12VV1A1253	R42121	SOFTWARE PROJECT MANAGEMENT	24	64	4
12VV1A1253	R42123	MACHINE LEARNING	22	66	4
12VV1A1253	R42125	PROJECT	44	119	12
12VV1A1254	R42052	HUMAN COMPUTER INTERACTION	19	47	4
12VV1A1254	R4205D	NEURAL NETWORKS & SOFT COMPUTING	20	54	4
12VV1A1254	R42121	SOFTWARE PROJECT MANAGEMENT	25	54	4
12VV1A1254	R42123	MACHINE LEARNING	23	62	4
12VV1A1254	R42125	PROJECT	46	127	12
12VV1A1255	R42052	HUMAN COMPUTER INTERACTION	17	36	4
12VV1A1255	R4205D	NEURAL NETWORKS & SOFT COMPUTING	11	48	4
12VV1A1255	R42121	SOFTWARE PROJECT MANAGEMENT	22	51	4
12VV1A1255	R42123	MACHINE LEARNING	10	35	4
12VV1A1255	R42125	PROJECT	41	121	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A1256	R42052	HUMAN COMPUTER INTERACTION	18	39	4
12VV1A1256	R4205D	NEURAL NETWORKS & SOFT COMPUTING	16	46	4
12VV1A1256	R42121	SOFTWARE PROJECT MANAGEMENT	23	51	4
12VV1A1256	R42123	MACHINE LEARNING	12	38	4
12VV1A1256	R42125	PROJECT	46	122	12
12VV1A1257	R42052	HUMAN COMPUTER INTERACTION	13	33	4
12VV1A1257	R4205D	NEURAL NETWORKS & SOFT COMPUTING	18	32	4
12VV1A1257	R42121	SOFTWARE PROJECT MANAGEMENT	23	43	4
12VV1A1257	R42123	MACHINE LEARNING	19	27	4
12VV1A1257	R42125	PROJECT	42	120	12
12VV1A3101	MT421	METALLURGICAL PROBLEMS	17	43	4
12VV1A3101	MT422	CERAMIC SCIENCE AND TECHNOLOGY	17	58	4
12VV1A3101	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	17	45	4
12VV1A3101	MT424	FERRO ALLOY TECHNOLOGY	20	63	4
12VV1A3101	MT425	PROJECT	40	140	12
12VV1A3102	MT421	METALLURGICAL PROBLEMS	23	46	4
12VV1A3102	MT422	CERAMIC SCIENCE AND TECHNOLOGY	18	46	4
12VV1A3102	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	15	50	4
12VV1A3102	MT424	FERRO ALLOY TECHNOLOGY	13	60	4
12VV1A3102	MT425	PROJECT	40	140	12
12VV1A3103	MT421	METALLURGICAL PROBLEMS	23	42	4
12VV1A3103	MT422	CERAMIC SCIENCE AND TECHNOLOGY	20	51	4
12VV1A3103	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	20	54	4
12VV1A3103	MT424	FERRO ALLOY TECHNOLOGY	21	62	4
12VV1A3103	MT425	PROJECT	44	144	12
12VV1A3104	MT421	METALLURGICAL PROBLEMS	21	43	4
12VV1A3104	MT422	CERAMIC SCIENCE AND TECHNOLOGY	18	57	4
12VV1A3104	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	16	48	4
12VV1A3104	MT424	FERRO ALLOY TECHNOLOGY	15	63	4
12VV1A3104	MT425	PROJECT	40	140	12
12VV1A3105	MT421	METALLURGICAL PROBLEMS	19	40	4
12VV1A3105	MT422	CERAMIC SCIENCE AND TECHNOLOGY	17	51	4
12VV1A3105	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	54	4
12VV1A3105	MT424	FERRO ALLOY TECHNOLOGY	16	61	4
12VV1A3105	MT425	PROJECT	40	138	12
12VV1A3106	MT421	METALLURGICAL PROBLEMS	21	44	4
12VV1A3106	MT422	CERAMIC SCIENCE AND TECHNOLOGY	18	63	4
12VV1A3106	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	17	48	4
12VV1A3106	MT424	FERRO ALLOY TECHNOLOGY	15	57	4
12VV1A3106	MT425	PROJECT	38	132	12
12VV1A3107	MT421	METALLURGICAL PROBLEMS	17	42	4
12VV1A3107	MT422	CERAMIC SCIENCE AND TECHNOLOGY	15	47	4
12VV1A3107	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	50	4
12VV1A3107	MT424	FERRO ALLOY TECHNOLOGY	7	53	4
12VV1A3107	MT425	PROJECT	40	136	12
12VV1A3108	MT421	METALLURGICAL PROBLEMS	20	41	4
12VV1A3108	MT422	CERAMIC SCIENCE AND TECHNOLOGY	19	40	4
12VV1A3108	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	16	48	4
12VV1A3108	MT424	FERRO ALLOY TECHNOLOGY	22	49	4
12VV1A3108	MT425	PROJECT	38	133	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A3109	MT421	METALLURGICAL PROBLEMS	20	40	4
12VV1A3109	MT422	CERAMIC SCIENCE AND TECHNOLOGY	19	47	4
12VV1A3109	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	56	4
12VV1A3109	MT424	FERRO ALLOY TECHNOLOGY	21	56	4
12VV1A3109	MT425	PROJECT	40	133	12
12VV1A3110	MT421	METALLURGICAL PROBLEMS	21	41	4
12VV1A3110	MT422	CERAMIC SCIENCE AND TECHNOLOGY	21	66	4
12VV1A3110	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	16	56	4
12VV1A3110	MT424	FERRO ALLOY TECHNOLOGY	21	59	4
12VV1A3110	MT425	PROJECT	44	144	12
12VV1A3111	MT421	METALLURGICAL PROBLEMS	19	41	4
12VV1A3111	MT422	CERAMIC SCIENCE AND TECHNOLOGY	18	36	4
12VV1A3111	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	42	4
12VV1A3111	MT424	FERRO ALLOY TECHNOLOGY	14	54	4
12VV1A3111	MT425	PROJECT	40	138	12
12VV1A3112	MT421	METALLURGICAL PROBLEMS	15	39	4
12VV1A3112	MT422	CERAMIC SCIENCE AND TECHNOLOGY	16	59	4
12VV1A3112	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	53	4
12VV1A3112	MT424	FERRO ALLOY TECHNOLOGY	16	55	4
12VV1A3112	MT425	PROJECT	40	136	12
12VV1A3113	MT421	METALLURGICAL PROBLEMS	16	42	4
12VV1A3113	MT422	CERAMIC SCIENCE AND TECHNOLOGY	19	40	4
12VV1A3113	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	40	4
12VV1A3113	MT424	FERRO ALLOY TECHNOLOGY	16	59	4
12VV1A3113	MT425	PROJECT	40	140	12
12VV1A3114	MT421	METALLURGICAL PROBLEMS	24	41	4
12VV1A3114	MT422	CERAMIC SCIENCE AND TECHNOLOGY	19	46	4
12VV1A3114	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	18	46	4
12VV1A3114	MT424	FERRO ALLOY TECHNOLOGY	16	61	4
12VV1A3114	MT425	PROJECT	48	148	12
12VV1A3115	MT421	METALLURGICAL PROBLEMS	20	49	4
12VV1A3115	MT422	CERAMIC SCIENCE AND TECHNOLOGY	22	52	4
12VV1A3115	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	18	40	4
12VV1A3115	MT424	FERRO ALLOY TECHNOLOGY	20	61	4
12VV1A3115	MT425	PROJECT	45	145	12
12VV1A3116	MT421	METALLURGICAL PROBLEMS	19	35	4
12VV1A3116	MT422	CERAMIC SCIENCE AND TECHNOLOGY	20	50	4
12VV1A3116	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	15	44	4
12VV1A3116	MT424	FERRO ALLOY TECHNOLOGY	11	55	4
12VV1A3116	MT425	PROJECT	42	142	12
12VV1A3117	MT421	METALLURGICAL PROBLEMS	22	39	4
12VV1A3117	MT422	CERAMIC SCIENCE AND TECHNOLOGY	18	61	4
12VV1A3117	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	15	51	4
12VV1A3117	MT424	FERRO ALLOY TECHNOLOGY	17	58	4
12VV1A3117	MT425	PROJECT	40	140	12
12VV1A3118	MT421	METALLURGICAL PROBLEMS	22	38	4
12VV1A3118	MT422	CERAMIC SCIENCE AND TECHNOLOGY	20	50	4
12VV1A3118	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	16	59	4
12VV1A3118	MT424	FERRO ALLOY TECHNOLOGY	16	60	4
12VV1A3118	MT425	PROJECT	40	138	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A3119	MT421	METALLURGICAL PROBLEMS	19	41	4
12VV1A3119	MT422	CERAMIC SCIENCE AND TECHNOLOGY	17	40	4
12VV1A3119	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	41	4
12VV1A3119	MT424	FERRO ALLOY TECHNOLOGY	15	54	4
12VV1A3119	MT425	PROJECT	40	146	12
12VV1A3120	MT421	METALLURGICAL PROBLEMS	16	38	4
12VV1A3120	MT422	CERAMIC SCIENCE AND TECHNOLOGY	13	38	4
12VV1A3120	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	40	4
12VV1A3120	MT424	FERRO ALLOY TECHNOLOGY	9	38	4
12VV1A3120	MT425	PROJECT	38	138	12
12VV1A3122	MT421	METALLURGICAL PROBLEMS	21	36	4
12VV1A3122	MT422	CERAMIC SCIENCE AND TECHNOLOGY	19	56	4
12VV1A3122	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	47	4
12VV1A3122	MT424	FERRO ALLOY TECHNOLOGY	17	57	4
12VV1A3122	MT425	PROJECT	42	142	12
12VV1A3123	MT421	METALLURGICAL PROBLEMS	20	46	4
12VV1A3123	MT422	CERAMIC SCIENCE AND TECHNOLOGY	17	53	4
12VV1A3123	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	53	4
12VV1A3123	MT424	FERRO ALLOY TECHNOLOGY	15	60	4
12VV1A3123	MT425	PROJECT	38	136	12
12VV1A3124	MT421	METALLURGICAL PROBLEMS	20	33	4
12VV1A3124	MT422	CERAMIC SCIENCE AND TECHNOLOGY	19	50	4
12VV1A3124	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	16	44	4
12VV1A3124	MT424	FERRO ALLOY TECHNOLOGY	19	61	4
12VV1A3124	MT425	PROJECT	44	143	12
12VV1A3125	MT421	METALLURGICAL PROBLEMS	22	47	4
12VV1A3125	MT422	CERAMIC SCIENCE AND TECHNOLOGY	20	62	4
12VV1A3125	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	16	52	4
12VV1A3125	MT424	FERRO ALLOY TECHNOLOGY	18	62	4
12VV1A3125	MT425	PROJECT	46	145	12
12VV1A3126	MT421	METALLURGICAL PROBLEMS	23	43	4
12VV1A3126	MT422	CERAMIC SCIENCE AND TECHNOLOGY	20	65	4
12VV1A3126	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	20	70	4
12VV1A3126	MT424	FERRO ALLOY TECHNOLOGY	22	64	4
12VV1A3126	MT425	PROJECT	46	146	12
12VV1A3127	MT421	METALLURGICAL PROBLEMS	22	44	4
12VV1A3127	MT422	CERAMIC SCIENCE AND TECHNOLOGY	21	52	4
12VV1A3127	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	18	54	4
12VV1A3127	MT424	FERRO ALLOY TECHNOLOGY	19	63	4
12VV1A3127	MT425	PROJECT	46	145	12
12VV1A3129	MT421	METALLURGICAL PROBLEMS	20	37	4
12VV1A3129	MT422	CERAMIC SCIENCE AND TECHNOLOGY	17	58	4
12VV1A3129	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	49	4
12VV1A3129	MT424	FERRO ALLOY TECHNOLOGY	15	49	4
12VV1A3129	MT425	PROJECT	44	142	12
12VV1A3131	MT421	METALLURGICAL PROBLEMS	21	40	4
12VV1A3131	MT422	CERAMIC SCIENCE AND TECHNOLOGY	16	42	4
12VV1A3131	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	17	42	4
12VV1A3131	MT424	FERRO ALLOY TECHNOLOGY	15	58	4
12VV1A3131	MT425	PROJECT	44	142	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A3132	MT421	METALLURGICAL PROBLEMS	24	40	4
12VV1A3132	MT422	CERAMIC SCIENCE AND TECHNOLOGY	21	46	4
12VV1A3132	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	22	54	4
12VV1A3132	MT424	FERRO ALLOY TECHNOLOGY	22	57	4
12VV1A3132	MT425	PROJECT	46	145	12
12VV1A3133	MT421	METALLURGICAL PROBLEMS	24	39	4
12VV1A3133	MT422	CERAMIC SCIENCE AND TECHNOLOGY	14	53	4
12VV1A3133	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	44	4
12VV1A3133	MT424	FERRO ALLOY TECHNOLOGY	16	61	4
12VV1A3133	MT425	PROJECT	46	146	12
12VV1A3134	MT421	METALLURGICAL PROBLEMS	22	43	4
12VV1A3134	MT422	CERAMIC SCIENCE AND TECHNOLOGY	18	60	4
12VV1A3134	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	16	38	4
12VV1A3134	MT424	FERRO ALLOY TECHNOLOGY	20	55	4
12VV1A3134	MT425	PROJECT	48	144	12
12VV1A3135	MT421	METALLURGICAL PROBLEMS	22	40	4
12VV1A3135	MT422	CERAMIC SCIENCE AND TECHNOLOGY	22	48	4
12VV1A3135	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	16	48	4
12VV1A3135	MT424	FERRO ALLOY TECHNOLOGY	19	62	4
12VV1A3135	MT425	PROJECT	48	146	12
12VV1A3136	MT421	METALLURGICAL PROBLEMS	21	34	4
12VV1A3136	MT422	CERAMIC SCIENCE AND TECHNOLOGY	16	57	4
12VV1A3136	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	52	4
12VV1A3136	MT424	FERRO ALLOY TECHNOLOGY	12	55	4
12VV1A3136	MT425	PROJECT	46	140	12
12VV1A3137	MT421	METALLURGICAL PROBLEMS	20	41	4
12VV1A3137	MT422	CERAMIC SCIENCE AND TECHNOLOGY	17	51	4
12VV1A3137	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	15	42	4
12VV1A3137	MT424	FERRO ALLOY TECHNOLOGY	17	61	4
12VV1A3137	MT425	PROJECT	44	142	12
12VV1A3138	MT421	METALLURGICAL PROBLEMS	21	39	4
12VV1A3138	MT422	CERAMIC SCIENCE AND TECHNOLOGY	12	46	4
12VV1A3138	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	41	4
12VV1A3138	MT424	FERRO ALLOY TECHNOLOGY	16	53	4
12VV1A3138	MT425	PROJECT	42	140	12
12VV1A3139	MT421	METALLURGICAL PROBLEMS	19	39	4
12VV1A3139	MT422	CERAMIC SCIENCE AND TECHNOLOGY	10	38	4
12VV1A3139	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	40	4
12VV1A3139	MT424	FERRO ALLOY TECHNOLOGY	16	52	4
12VV1A3139	MT425	PROJECT	40	138	12
12VV1A3140	MT421	METALLURGICAL PROBLEMS	18	37	4
12VV1A3140	MT422	CERAMIC SCIENCE AND TECHNOLOGY	18	49	4
12VV1A3140	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	17	62	4
12VV1A3140	MT424	FERRO ALLOY TECHNOLOGY	21	57	4
12VV1A3140	MT425	PROJECT	44	142	12
12VV1A3141	MT421	METALLURGICAL PROBLEMS	23	37	4
12VV1A3141	MT422	CERAMIC SCIENCE AND TECHNOLOGY	20	50	4
12VV1A3141	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	18	45	4
12VV1A3141	MT424	FERRO ALLOY TECHNOLOGY	17	55	4
12VV1A3141	MT425	PROJECT	48	146	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A3142	MT421	METALLURGICAL PROBLEMS	23	36	4
12VV1A3142	MT422	CERAMIC SCIENCE AND TECHNOLOGY	18	46	4
12VV1A3142	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	46	4
12VV1A3142	MT424	FERRO ALLOY TECHNOLOGY	15	59	4
12VV1A3142	MT425	PROJECT	44	144	12
12VV1A3143	MT421	METALLURGICAL PROBLEMS	23	34	4
12VV1A3143	MT422	CERAMIC SCIENCE AND TECHNOLOGY	17	54	4
12VV1A3143	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	15	48	4
12VV1A3143	MT424	FERRO ALLOY TECHNOLOGY	11	58	4
12VV1A3143	MT425	PROJECT	40	140	12
12VV1A3144	MT421	METALLURGICAL PROBLEMS	22	44	4
12VV1A3144	MT422	CERAMIC SCIENCE AND TECHNOLOGY	16	36	4
12VV1A3144	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	15	38	4
12VV1A3144	MT424	FERRO ALLOY TECHNOLOGY	19	47	4
12VV1A3144	MT425	PROJECT	44	145	12
12VV1A3145	MT421	METALLURGICAL PROBLEMS	23	46	4
12VV1A3145	MT422	CERAMIC SCIENCE AND TECHNOLOGY	23	64	4
12VV1A3145	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	22	65	4
12VV1A3145	MT424	FERRO ALLOY TECHNOLOGY	21	57	4
12VV1A3145	MT425	PROJECT	44	140	12
12VV1A3146	MT421	METALLURGICAL PROBLEMS	23	39	4
12VV1A3146	MT422	CERAMIC SCIENCE AND TECHNOLOGY	18	43	4
12VV1A3146	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	15	36	4
12VV1A3146	MT424	FERRO ALLOY TECHNOLOGY	21	58	4
12VV1A3146	MT425	PROJECT	40	142	12
12VV1A3147	MT421	METALLURGICAL PROBLEMS	23	42	4
12VV1A3147	MT422	CERAMIC SCIENCE AND TECHNOLOGY	20	36	4
12VV1A3147	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	38	4
12VV1A3147	MT424	FERRO ALLOY TECHNOLOGY	18	56	4
12VV1A3147	MT425	PROJECT	40	140	12
12VV1A3148	MT421	METALLURGICAL PROBLEMS	23	41	4
12VV1A3148	MT422	CERAMIC SCIENCE AND TECHNOLOGY	18	51	4
12VV1A3148	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	15	45	4
12VV1A3148	MT424	FERRO ALLOY TECHNOLOGY	17	62	4
12VV1A3148	MT425	PROJECT	45	145	12
12VV1A3149	MT421	METALLURGICAL PROBLEMS	23	48	4
12VV1A3149	MT422	CERAMIC SCIENCE AND TECHNOLOGY	22	62	4
12VV1A3149	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	20	66	4
12VV1A3149	MT424	FERRO ALLOY TECHNOLOGY	24	64	4
12VV1A3149	MT425	PROJECT	48	148	12
12VV1A3150	MT421	METALLURGICAL PROBLEMS	24	42	4
12VV1A3150	MT422	CERAMIC SCIENCE AND TECHNOLOGY	20	54	4
12VV1A3150	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	48	4
12VV1A3150	MT424	FERRO ALLOY TECHNOLOGY	15	59	4
12VV1A3150	MT425	PROJECT	42	140	12
12VV1A3151	MT421	METALLURGICAL PROBLEMS	24	44	4
12VV1A3151	MT422	CERAMIC SCIENCE AND TECHNOLOGY	22	39	4
12VV1A3151	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	16	47	4
12VV1A3151	MT424	FERRO ALLOY TECHNOLOGY	16	61	4
12VV1A3151	MT425	PROJECT	46	145	12

Htno	Subcode	Subname	Internal	External	credits
12VV1A3152	MT421	METALLURGICAL PROBLEMS	20	37	4
12VV1A3152	MT422	CERAMIC SCIENCE AND TECHNOLOGY	17	50	4
12VV1A3152	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	15	48	4
12VV1A3152	MT424	FERRO ALLOY TECHNOLOGY	21	62	4
12VV1A3152	MT425	PROJECT	40	138	12
12VV1A3153	MT421	METALLURGICAL PROBLEMS	22	34	4
12VV1A3153	MT422	CERAMIC SCIENCE AND TECHNOLOGY	18	52	4
12VV1A3153	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	16	56	4
12VV1A3153	MT424	FERRO ALLOY TECHNOLOGY	20	60	4
12VV1A3153	MT425	PROJECT	45	144	12
12VV1A3154	MT421	METALLURGICAL PROBLEMS	22	35	4
12VV1A3154	MT422	CERAMIC SCIENCE AND TECHNOLOGY	13	54	4
12VV1A3154	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	16	44	4
12VV1A3154	MT424	FERRO ALLOY TECHNOLOGY	16	56	4
12VV1A3154	MT425	PROJECT	40	140	12
12VV1A3155	MT421	METALLURGICAL PROBLEMS	21	37	4
12VV1A3155	MT422	CERAMIC SCIENCE AND TECHNOLOGY	19	50	4
12VV1A3155	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	17	43	4
12VV1A3155	MT424	FERRO ALLOY TECHNOLOGY	21	56	4
12VV1A3155	MT425	PROJECT	46	145	12
12VV1A3156	MT421	METALLURGICAL PROBLEMS	16	43	4
12VV1A3156	MT422	CERAMIC SCIENCE AND TECHNOLOGY	19	50	4
12VV1A3156	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	15	48	4
12VV1A3156	MT424	FERRO ALLOY TECHNOLOGY	17	57	4
12VV1A3156	MT425	PROJECT	44	143	12
12VV1A3158	MT421	METALLURGICAL PROBLEMS	22	35	4
12VV1A3158	MT422	CERAMIC SCIENCE AND TECHNOLOGY	18	38	4
12VV1A3158	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	14	36	4
12VV1A3158	MT424	FERRO ALLOY TECHNOLOGY	17	49	4
12VV1A3158	MT425	PROJECT	38	138	12
12VV1A3159	MT421	METALLURGICAL PROBLEMS	24	40	4
12VV1A3159	MT422	CERAMIC SCIENCE AND TECHNOLOGY	21	63	4
12VV1A3159	MT423	EXPERIMENTAL TECHNIQUES IN METALLOGRAPHY	21	54	4
12VV1A3159	MT424	FERRO ALLOY TECHNOLOGY	18	62	4
12VV1A3159	MT425	PROJECT	46	145	12

** Note:**

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

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

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



Date:31-05-2016

Controller of Examinations