B.ENG (ELECTRICAL & ELECTRONIC ENGINEERING) & ECONOMICS PROGRAMME

(ADMITTED TO ENGINEERING 1 IN AY2010-2011)

COURSE CODE AND TITLE		TYPE	NO. OF HOURS PER WEEK				AU	PRE-REQUISITE / CO-REQUISITE^
			LEC	TUT	LAB	TOTAL		
YEAR 1 SEMESTER 1								
FE1001	PHYSICS I	C	3	1	0	4	4	'A' PHYSICS/FE0001
FE1006	MATHEMATICS 1	C	2	1	0	3	3	
FE1071	LABORATORY 1A	C	0	0	3	3	1	
HE101	MICROECONOMIC PRINCIPLES	C	2	1	0	3	3	
HE102	MACROECONOMIC PRINCIPLES	C	3	1	0	3	3	
HE103	BASIC MATHEMATICS FOR ECONOMISTS	C	2	1	0	3	3	
		TOTAL	12	5	3	19	17	
YEAR 1 SEMESTER 2								
FE1002	PHYSICS II	C	3	1	0	4	4	'A' PHYSICS/FE0001
FE1007	MATHEMATICS 2	C	2	1	0	3	3	
FE1072	LABORATORY 1B	C	0	0	3	1	1	
HE104B	INTRODUCTION TO PROBABILITY AND STATISTICAL INFERENCE	C	2	1	0	3	3	
HE201	INTERMEDIATE MICROECONOMICS	C	2	1	0	3	4	
HW110	EFFECTIVE COMMUNICATION	C	0	2	0	2	2	
		TOTAL	9	6	3	16	17	
YEAR 2 SEMESTER 1								
FE1005	MATERIALS SCIENCE	C	2	1	0	3	3	
FE1008	COMPUTING	C	2	1	1	4	3	
EE2001	CIRCUIT ANALYSIS	C	2	1	0	3	3	
EE2006	ENGINEERING MATHEMATICS I	C	3	1	0	4	4	FE1007
HE202	INTERMEDIATE MACROECONOMICS	C	2	2	0	4	4	HE102
HE204B	PRINCIPLES OF ECONOMETRICS	C	2	1	0	3	4	HE104B
		TOTAL	13	7	1	21	21	
YEAR 2 SEMESTER 2								
FE1003	CHEMISTRY	C	2	1	0	3	3	
EE2002	ANALOG ELECTRONICS	C	2	1	0	3	3	
EE2007	ENGINEERING MATHEMATICS II	C	3	1	0	4	4	FE1007
EE2008	DATA STRUCTURES & ALGORITHMS	C	2	1	0	3	3	
EE2079	DESIGN & INNOVATION PROJECT	C	0	0	40	40	3	
HW0210	TECHNICAL COMMUNICATION	C	0	2	0	2	2	
ECONOMICS ELECTIVE 1		P	2	1	0	3	4	
		TOTAL	11	7	40	58	22	
YEAR 3 SEMESTER 1								
EE2003	SEMICONDUCTOR FUNDAMENTALS	C	2	1	0	3	3	FE1002
EE2004	DIGITAL ELECTRONICS	C	2	1	0	3	3	
EE2005	AC CIRCUITS & MACHINES	C	2	1	0	3	3	EE2001
EE2071	LABORATORY 2A	C	0	0	3	3	1	
EE4040	ENGINEERS & SOCIETY	C	2	1	0	3	3	
ECONOMICS ELECTIVE 2		P	2	1	0	3	4	
		TOTAL	10	5	3	18	17	

LEGEND C = CORE PE = MAJOR PRESCRIBED ELECTIVE GC = GER CORE GE = GER ELECTIVE UE = UNRESTRICTED ELECTIVE

COURSE CODE AND TITLE		TYPE	NO. OF HOURS PER WEEK				AU	PRE-REQUISITE / CO-REQUISITE^
			LEC	TUT	LAB	TOTAL		
YEAR 3 SEMESTER 2								
EE2010	SIGNALS & SYSTEMS	C	2	1	0	3	3	FE1006 & FE1007
EE2072	LABORATORY 2B	C	0	0	3	3	1	
EE3001	ENGINEERING ELECTROMAGNETICS	C	2	1	0	3	3	EE2007^
EE3002	MICROPROCESSORS	C	2	1	0	3	3	
ECONOMICS ELECTIVE 3		P	2	1	0	3	4	
ECONOMICS ELECTIVE 4		P	2	1	0	3	4	
		TOTAL	10	5	3	18	18	
YEAR 3 SPECIAL SESSION								
EE3076	INDUSTRIAL ORIENTATION	C	0	0	0	0	4	YR 3 CLASSIFICATION
		TOTAL	0	0	0	0	4	
YEAR 4 SEMESTER 1								
EE3003	INTEGRATED ELECTRONICS	C	2	1	0	3	3	EE2002
EE3071	LABORATORY 3	C	0	0	3	3	1	
EE3xxx	ELECTIVE 1	P	2	1	0	3	3	SEE NOTE 1
HE312	POLITICAL ECONOMY OF EAST ASIA	C	2	1	0	3	4	HE101/HE102
ECONOMICS ELECTIVE 5		P	2	1	0	3	4	
ECONOMICS ELECTIVE 6		P	2	1	0	3	4	
		TOTAL	10	5	3	18	19	
YEAR 4 SEMESTER 2								
EE3072	PROJECT	C	0	0	3	3	1	
EE4041	HUMAN RESOURCE MANAGEMENT	C	2	1	0	3	3	
EE3xxx	ELECTIVE 2	P	2	1	0	3	3	REFER TO YR 3 SYLLABUS
EE4xxx	TECHNICAL ELECTIVE 1	P	2	1	0	3	3	REFER TO FYO SYLLABUS
ECONOMICS ELECTIVE 7		P	2	1	0	3	4	
ECONOMICS ELECTIVE 8		P	2	1	0	3	4	
		TOTAL	10	5		18	18	
YEAR 5 SEMESTER 1								
EE4079	FINAL YEAR PROJECT	C	0	0	8	8	#	YR 4 CLASSIFICATION
EE4xxx	DESIGN ELECTIVE 1	P	1	0	2	3	2	REFER TO FINAL YEAR OPTION SYLLABUS
EE4xxx	TECHNICAL ELECTIVE 2	P	2	1	0	3	3	
HW0310	PROFESSIONAL COMMUNICATION	C	1	1	0	2	2	
ECONOMICS ELECTIVE 9		P	2	1	0	3	4	
ECONOMICS ELECTIVE 10		P	2	1	0	3	4	
ECONOMICS ELECTIVE 11		P	2	1	0	3	4	
		TOTAL	10	5		24	19	
YEAR 5 SEMESTER 2								
EE4079	FINAL YEAR PROJECT	C	0	0	8	8	10	YR 4 CLASSIFICATION
EE4xxx	DESIGN ELECTIVE 2	P	1	0	2	3	2	REFER TO FINAL YEAR OPTION SYLLABUS
EE4xxx	TECHNICAL ELECTIVE 3	P	2	1	0	3	3	
EE4xxx	TECHNICAL ELECTIVE 4	P	2	1	0	3	3	
ECONOMICS ELECTIVE 12		P	2	1	0	3	4	
ECONOMICS ELECTIVE 13		P	2	1	0	3	4	
		TOTAL	9	4	10	23	26	

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