

Communications and Electronics Engineering Department

Preparatory Level

First semester

No.	Course Code	Course Title	Hours				Exam time (Hr)	Examination marks				
			Lec	Tut	Lab	Total		Mid term	Class work	Prac/Oral	Final exam	Total
1	BAS011	Mathematics (1)	3	2	-	5	3	40	35	-	75	150
2	BAS021	Physics (1)	3	1	1	5	3	25	25	25	75	150
3	BAS031	Mechanics (1)	2	2	-	4	3	25	25	-	50	100
4	BAS051	Engineering Drawing and Projection (1)	2	3	-	5	3	30	30	-	65	125
5	BAS061	Production Technology	2	-	3	5	3	20	20	20	65	125
6	HUM031	Introduction to Engineering Sciences	2	-	-	2	2	15	10	-	25	50
7	HUM011	English Language (1)	2	-	-	2	2	15	10	-	25	50
Total						28						750

Second semester

No.	Course Code	Course Title	Hours				Exam time (Hr)	Examination marks				
			Lec	Tut	Lab	Total		Mid term	Class work	Prac/Oral	Final exam	Total
1	BAS012	Mathematics (2)	3	2	-	5	3	40	35	-	75	150
2	BAS022	Physics (2)	3	1	1	5	3	25	25	25	75	150
3	BAS032	Mechanics (2)	2	2	-	4	3	25	25	-	50	100
4	BAS052	Engineering Drawing and Projection (2)	1	3	-	4	3	20	30	-	50	100
5	BAS041	Engineering Chemistry	2	-	2	4	3	20	20	20	40	100
6	CEE041	Introduction to Computer and Programming	2	-	2	4	3	20	20	20	40	100
7	HUM012	English Language (2)	2	-	-	2	2	15	10	-	25	50
Total						28						750

First Level

First semester

No.	Course Code	Course Title	Hours				Exam time (Hr)	Examination marks				
			Lec.	Tut	Lab	Total		Mid term	Class work	Prac/Oral	Final exam	Total
1	CEE121	Electronics (1)	2	2	1	5	3	25	25	25	75	150
2	CEE142	Operating systems	2	1	2	5	3	20	10	20	50	100
3	CEE111	Electric Circuits (1)	2	2	1	5	3	25	25	25	75	150
4	HUM13X	Elective	2	-	-	2	2	15	10	-	25	50
5	HUM 113	Technical English	2	-	-	2	2	15	10	-	25	50
6	BAS113	Mathematics (3)	2	2	-	4	3	25	25	-	50	100
7	BAS123	Modern Physics	2	1	2	5	3	25	25	25	75	150
Total						28						750

Second semester

No.	Course Code	Course Title	Hours				Exam time (Hr)	Examination marks				
			Lec	Tut	Lab	Total		Mid term	Class work	Prac/Oral	Final exam	Total
1	CEE122	Electronics (2)	2	1	2	5	3	20	20	20	65	125
2	CEE143	Logic Circuits Design	2	2	2	6	3	25	25	25	75	150
3	CBE112	Electric Circuits (2)	2	2	1	5	3	20	20	20	65	125
4	CEE151	Electromagnetic Field	2	2	-	4	3	25	25	-	50	100
5	HUM13X	Elective	2	-	-	2	2	15	10	-	25	50
6	BAS114	Mathematics (4)	2	1	-	3	3	25	25	-	50	100
7	BAS115	Numerical Analysis	2	1	-	3	3	25	25	-	50	100
Total						28						750

Second Level

First semester

No.	Course Code	Course Title	Hours				Exam time (Hr)	Examination marks				
			Lec	Tut	Lab	Total		Mid term	Class work	Prac/Oral	Final exam	Total
1	CEE213	Electronic Measurements (1)	2	1	2	5	3	25	25	25	75	150
2	CEE215	Electronic Circuits (1)	2	2	1	5	3	25	25	25	75	150
3	CEE261	Communication Systems (1)	2	1	1	4	3	20	20	20	65	125
4	CEE282	Electrical Machine and transformers	2	1	1	4	3	20	15	15	50	100
5	CEE244	Computer Architectures	2	2	-	4	3	25	25	-	50	100
6	HUM211	Feasibility studies and operations research	2	1	-	3	2	15	10	-	25	50
7	CVE286	Civil Engineering	2	-	1	3	3	15	15	15	30	75
Total						28						750

Second semester

No.	Course Code	Course Title	Hours				Exam time (Hr)	Examination marks				
			Lec	Tut	Lab	Total		Mid term	Class work	Prac/Oral	Final exam	Total
1	CEE223	Electronics (3)	2	2	1	5	3	25	25	25	75	150
2	CEE214	Electronic Measurements (2)	2	1	2	5	3	25	25	25	75	150
3	CEE262	Communication Systems (2)	2	1	1	4	3	20	20	20	65	125
4	CEE216	Electronic Circuits (2)	2	2	2	6	3	25	25	25	75	150
5	CEE291	Field Training (1)	-	-	2	2	-	-	25	25	-	50
6	HUM212	Engineering Economics and Projects Management	2	-	-	2	2	15	10	-	25	50
7	BAS262	Mechanical Engineering	2	1	1	4	3	15	15	15	30	75
Total						28						750

Third Level

First semester

No.	Course Code	Course Title	Hours				Exam time (Hr)	Examination marks				
			Lec	Tut	Lab	Total		Mid term	Class work	Prac/Oral	Final exam	Total
1	CEE317	Electronic Circuits (3)	2	2	2	6	3	25	25	25	75	150
2	CEE352	Electromagnetic Waves	2	2	-	4	3	30	30	-	65	125
3	CEE371	Digital Signal Processing	2	2	-	4	3	30	30	-	65	125
4	CEE383	Automatic Control	2	2	-	4	3	25	25	-	50	100
5	CEE374	Digital Communication Systems (1)	2	2	2	6	3	25	25	25	75	150
6	HUM332	Technical Report Writing	2	-	-	2	2	25	10	-	25	50
7	HUM34X	Eeective	2	-	-	2	2	25	10	-	25	50
Total						28						750

Second semester

No.	Course Code	Course Title	Hours				Exam time (Hr)	Examination marks				
			Lec	Tut	Lab	Total		Mid term	Class work	Prac/Oral	Final exam	Total
1	CEE372	Antennas	2	2	1	5	3	25	25	25	75	150
2	CEE318	Electronic Circuits (4)	2	2	2	6	3	25	25	25	75	150
3	CEE345	Microprocessor and Interfacing	2	1	2	5	3	25	25	25	75	150
4	CEE392	Field Training (2)	-	-	2	2	-	-	25	25	-	50
5	HUM321	Human Rights	2	-	-	2	2	15	10	-	25	50
6	CEE3XX	Elective (1)	2	2	-	4	3	25	25	-	50	100
7	CEE3XX	Elective (1)	2	2	-	4	3	25	25	-	50	100
Total						28						750

Fourth Level

First semester

No.	Course Code	Course Title	Hours				Exam time (Hr)	Examination marks				
			Lec	Tut	Lab	Total		Mid term	Class work	Prac/Oral	Final exam	Total
1	CEE447	Programmable logic controllers	2	2	-	4	3	25	25	-	50	100
2	CEE453	Microwave Engineering	2	2	2	6	3	25	25	25	75	150
3	CEE464	Satellite Communications	2	2	-	4	3	30	30	-	65	125
4	CEE448	Neural Networks	2	2	-	4	3	30	30	-	65	125
5	HUM413	Engineering Legislations	2	-	-	2	2	15	10	-	25	50
6	CEE4XX	Elective (2)	2	2	-	4	3	25	25	-	50	100
7	CEE4XX	Elective (2)	2	2	-	4	3	25	25	-	50	100
Total						28						750

Second semester

No.	Course Code	Course Title	Hours				Exam time (Hr)	Examination marks				
			Lec	Tut	Lab	Total		Mid term	Class work	Prac/Oral	Final exam	Total
1	CEE465	Optical Communication Systems	2	2	2	6	3	25	25	25	75	150
2	CEE493	Project	2	-	4	6	-	-	100	100	-	200
3	CEE433	Embedded Systems	2	2	-	4	3	25	25	-	50	100
4	HUM423	Environmental Impact of Projects	2	-	-	2	2	15	10	-	25	50
5	HUM422	Population, Reproductive Health and Family Planning	2	-	-	2	2	15	10	-	25	50
6	CEE4XX	Elective (2)	2	2	-	4	3	25	25	-	50	100
7	CEE4XX	Elective (2)	2	2	-	4	3	25	25	-	50	100
Total						28						750