

International Islamic University Chittagong (Dhaka Campus)
Department of Electrical & Electronic Engineering (EEE)
Course offer-list for Autumn 2011
(Male Campus)

FIRST SEMESTER (1EM) [12th Batch]

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Course No.	Course Title	Contact Hours / Week		Credit Hours	Prerequisite Courses
		Theory	Practical		
EEE-1101	Electrical Circuits I	3	0	3	-
EEE-1102	Electrical Circuits I Sessional	0	3	1.5	-
CSE-1101	Computer Fundamentals	2	0	1	-
CSE-1102	Computer Fundamentals Sessional	0	2	1	-
Math-1101	Elementary Mathematics	3	0	1	-
Phy-1103	Physics I	3	0	3	-
Phy-1104	Physics I Sessional	0	3	1.5	-
REC-1101	English Morphology & Syntax	3	0	0	-
REC-1102	Reading Skill	3	0	0	-
URIS-1101	Islamic Aqidah	1	0	1	-
URAL-1101	Elementary Arabic	3	0	1	-
Total	11 Courses	21	8	14	

SECOND SEMESTER (2EM) [11th Batch]

Course No.	Course Title	Contact Hours / Week		Credit Hours	Prerequisite Courses
		Theory	Practical		
EEE-1201	Electrical Circuits II	3	0	3	EEE-1101
EEE-1202	Electrical Circuits II Sessional	0	3	1.5	-
CSE-1201	Computer Programming	3	0	3	-
CSE-1202	Computer Programming Sessional	0	3	1.5	-
Phy-1203	Physics II	3	0	3	Phy-1103
Phy-1204	Physics II Sessional	0	3	1.5	-
MATH-1201	Mathematics I	3	0	3	Math-1101
STAT-1211	Statistics	3	0	3	-
REC-1103	Writing Skill	3	0	0	-
REC-1104	Listening and Speaking Skill	3	0	0	-
URIS-1203	Introduction to Ibadah	1	0	1	-
URAL-1202	Intermediate Arabic	3	0	1	-
Total	12 Courses	25	9	21.5	

THIRD SEMESTER (3EM) [10th Batch]

Course No.	Course Title	Contact Hours / Week		Credit Hours	Prerequisite Courses
		Theory	Practical		
EEE-2301	Electronics I	3	0	3	EEE-1201
EEE-2302	Electronics I Sessional	0	3	1.5	-
EEE-2303	Energy Conversion I	3	0	3	EEE-1201
MATH-2301	Mathematics II	3	0	3	MATH-1201
Chem--2301	Chemistry	3	0	2	-
Chem-2302	Chemistry Sessional	0	2	1	-
EEE-2410	Numerical Technique Sessional	0	3	1.5	CSE-1101
ECON-2401	Principles of Economics	2	0	2	-
URIS-2405	Dealings and Behavior in Islam	1	0	1	-
Total	10 Courses	15	8	18	

FOURTH SEMESTER (4EM) [9th Batch]

Course No.	Course Title	Contact Hours / Week		Credit Hours	Prerequisite Courses
		Theory	Practical		
EEE-2401	Energy Conversion II	3	0	3	EEE-2303
EEE-2402	Energy Conversion Sessional	0	3	1.5	-
EEE-2403	Electronics II	3	0	3	EEE-2301
EEE-2404	Electronics II Sessional	0	3	1.5	-
EEE-2405	Engineering Electromagnetism	3	0	3	EEE-1201
MATH-2401	Mathematics III	3	0	3	MATH-2301
EEE-2407	Digital Electronics	3	0	3	EEE-2301
EEE-2408	Digital Electronics Sessional	0	3	1.5	-
EEE-2410	Numerical Technique Sessional	0	3	1.5	CSE-1101
Chem-2302	Chemistry Sessional	0	2	1	-
ECON-2401	Principles of Economics	2	0	2	-
URIS-2405	Dealings and Behavior in Islam	1	0	1	-
Total	12 Courses	18	14	25	

FIFTH SEMESTER (5EM) [8th Batch]

Course No.	Course Title	Contact Hours / Week		Credit Hours	Prerequisite Courses
		Theory	Practical		
EEE-3501	Continuous Signals & Linear Systems	3	0	3	MATH-2401
EEE-3503	Power System I	3	0	3	EEE-1201
EEE-3504	Power System I Sessional	0	3	1.5	-
EEE-3505	Microprocessor and Interfacing	3	0	3	EEE-2407
EEE-3506	Microprocessor & Interfacing Sessional	0	3	1.5	-
EEE-3510	Circuit Simulation Sessional	0	3	1.5	EEE-2301
EEE-3512	Electrical Services Design Sessional	0	3	1.5	-
EEE-3605	Electrical Properties of Materials	3	0	3	EEE-2301
Math-3501	Mathematics IV (Linear Algebra)	3	0	2	MATH-2401
ACC-3501	Financial and Managerial Accounting	2	0	2	-
URIS-3505	Government and Politics in Islam	1	0	1	-
Total	11 Courses	18	12	23	

SIXTH SEMESTER (6EM) [7th Batch]

Course No.	Course Title	Contact Hours / Week		Credit Hours	Prerequisite Courses
		Theory	Practical		
EEE-3601	Communication Theory	3	0	3	EEE-3501
EEE-3602	Communication Theory Sessional	0	3	1.5	-
EEE-3603	Digital Signal Processing I	3	0	3	EEE-3501
EEE-3604	Digital Signal Processing I Sessional	0	3	1.5	-
EEE-3607	Solid State Devices	3	0	3	EEE-2403
EEE-36XX/ EEE-47XX	Elective I (Major)	3	0	3	-
MGT-3601	Industrial Management	2	0	2	-
URIS-3609	Biography of the Prophet (SAWS) and History of Khilafah up to 1258	2	0	2	-
Total	8 Courses	16	06	19	

SEVENTH SEMESTER (7EM) [6th Batch]

Course No.	Course Title	Contact Hours / Week		Credit Hours	Prerequisite Courses
		Theory	Practical		
EEE-4800	Project/ Thesis (1 year duration)	0	8	6	-
EEE-4701	Control System I	3	0	3	EEE-3501
EEE-4702	Control System I Sessional	0	3	1.5	-
EEE-47XX	Elective II (Major)	3	0	3	-
EEE-47XX	Elective III (Major)	3	0	3	-
EEE-47XX	Elective III Sessional (Major)	0	3	1.5	-
EEE-47XX	Elective IV (Minor)	3	0	3	-
FIN-4701	Finance and Marketing for Engineers	2	0	2	-
Total	8 Courses	14	14	23	

EIGHTH SEMESTER (8EM) [5th Batch]

Course No.	Course Title	Contact Hours / Week		Credit Hours	Prerequisite Courses
		Theory	Practical		
EEE-4800	Project / Thesis (Registration is not required)	Continuation			-
EEE-48XX	Elective V (Major)	3	0	3	-
EEE-48XX	Elective V Sessional (Major)	0	3	1.5	-
EEE-47XX/ EEE-48XX	Elective VI (Major)	3	0	3	-
EEE-47XX/ EEE-48XX	Elective VII (Minor)	3	0	3	-
EEE-48XX	Elective VIII (Interdisciplinary)	3	0	3	-
EEE-48XX	Elective VIII Sessional (Interdisciplinary)	0	3	1.5	-
URBS-4802	Bangladesh studies	2	0	2	-
Total	08 Courses	14	6	17	

Summary of Credit Hours for Elective Courses

Specialization Type	Number of Theory Courses	Credit Hours	Number of Lab Courses	Credit Hours	Total Credit Hours
Major	5	5*3.0 = 15.0	2	2*1.5 = 3.0	18.0
Minor	2	2*3.0 = 06.0	0	0	06.0
Interdisciplinary	1	1*3.0 = 03.0	1	1*1.5 = 1.5	04.5
Total	8	24.0	3	4.5	28.5

Semester wise Elective Courses:

Elective I (Major, 6th Semester)

SL. No.	Course Number	Course Name	Contact Hours/Week		Credit Hours		Prerequisite Courses	Offered For
			Theory	Practical	Theory	Practical		
1	EEE-4735	Optical Fiber Communication	3	0	3	0	EEE-3601	Communication
2	EEE-4751	Processing Fabrication Technology	3	0	3	0	EEE-3607	Electronics
3	EEE-3671	Power System II	3	0	3	0	EEE-3503	Power System

Elective II (Major, 7th Semester)

SL. No.	Course Number	Course Name	Contact Hours/Week		Credit Hours		Prerequisite Courses	Offered For
			Theory	Practical	Theory	Practical		
1	EEE-4731	Digital Signal Processing II	3	0	3	0	EEE-3603	Communication
2	EEE-4755	Compound Semiconductor & Hetero-Junction Devices	3	0	3	0	EEE-2403	Electronics
3	EEE-4771	Energy Conversion III	3	0	3	0	EEE-2401	Power System

Elective III & Elective III Sessional (Major, 7th Semester)

SL. No.	Course Number	Course Name	Contact Hours/Week		Credit Hours		Prerequisite Courses	Offered For
			Theory	Practical	Theory	Practical		
1	EEE-4733	Microwave Engineering	3	0	3	0	EEE-3601	Communication
2	EEE-4734	Microwave Engineering Sessional	0	3	0	1.5	-	Communication
3	EEE-4753	VLSI I	3	0	3	0	EEE-3607	Electronics
4	EEE-4754	VLSI I Sessional	0	3	0	1.5	-	Electronics
5	EEE-4773	Power Electronics	3	0	3	0	EEE-2403	Power System
6	EEE-4774	Power Electronics Sessional	0	3	0	1.5	-	Power System

Elective IV (Minor, 7th Semester)

SL. No.	Course Number	Course Name	Contact Hours/Week		Credit Hours		Prerequisite Courses	Offered For
			Theory	Practical	Theory	Practical		
1	EEE-4731	Digital Signal Processing II	3	0	3	0	EEE-3603	Power System Electronics
2	EEE-4755	Compound Semiconductor & Hetero-Junction Devices	3	0	3	0	EEE-2403	Communication Power System
3	EEE-4771	Energy Conversion III	3	0	3	0	EEE-2401	Electronics Communication

Elective V & Elective V Sessional (Major, 8th Semester)

SL. No.	Course Number	Course Name	Contact Hours/Week		Credit Hours		Prerequisite Courses	Offered For
			Theory	Practical	Theory	Practical		
1	EEE-4831	Digital Communication	3	0	3	0	EEE-3601	Communication
2	EEE-4832	Digital Communication Sessional	0	3	0	1.5	-	Communication
3	EEE-4851	VLSI II	3	0	3	0	EEE-4753	Electronics
4	EEE-4852	VLSI II Sessional	0	3	0	1.5	-	Electronics
5	EEE-4871	Power System Protection	3	0	3	0	EEE-3503	Power System
6	EEE-4872	Power System Protection Sessional	0	3	0	1.5	-	Power System

Elective VI (Major, 8th Semester)

SL. No.	Course Number	Course Name	Contact Hours/Week		Credit Hours		Prerequisite Courses	Offered For
			Theory	Practical	Theory	Practical		
1	EEE-4833	Mobile Cellular Communication	3	0	3	0	EEE-3601	Communication
2	EEE-4853	Opto-electronics	3	0	3	0	EEE-2403	Electronics
3	EEE-4775	Power Plant Engineering	3	0	3	0	-	Power System

Elective VII (Minor, 8th Semester)

SL. No.	Course Number	Course Name	Contact Hours/Week		Credit Hours		Prerequisite Courses	Offered For
			Theory	Practical	Theory	Practical		
1	EEE-4833	Mobile Cellular Communication	3	0	3	0	EEE-3601	Power System Electronics
2	EEE-4853	Opto-electronics	3	0	3	0	EEE-2403	Communication Power System Electronics
3	EEE-4775	Power Plant Engineering	3	0	3	0	-	Communication

Elective VIII & Elective VIII Sessional (Interdisciplinary, 8th Semester)

SL. No.	Course Number	Course Name	Contact Hours/Week		Credit Hours		Prerequisite Courses	Offered For
			Theory	Practical	Theory	Practical		
1	EEE-4825	Biomedical Instrumentation	3	0	3	0	EEE-2403	None
2	EEE-4826	Biomedical Instrumentation Sessional	0	3	0	1.5	-	None
3	EEE-4827	Measurement & Instrumentation	3	0	3	0	EEE-2403	All
4	EEE-4828	Measurement & Instrumentation Sessional	0	3	0	1.5	-	All

Division of students according to Interdisciplinary areas for 5 th batch	
Male Students	Female Students
Measurement & Instrumentation	Measurement & Instrumentation
Measurement & Instrumentation Sessional	Measurement & Instrumentation Sessional

Division of students according to Major and Minor areas for 5 th batch			
Male Students		Female Students	
Major	Minor	Major	Minor
Power Systems	Communication	Communication	Power Systems
Power Systems	Electronics	Power Systems	Communication

Division of students according to Major and Minor areas for 6 th batch			
Male Students		Female Students	
Major	Minor	Major	Minor
Power Systems	Electronics	-	-
Power Systems	Communication	-	-
Electronics	Communication	-	-

Division of students according to Major and Minor areas for 7 th batch			
Male Students		Female Students	
Major	Minor	Major	Minor
Power Systems	Yet to settle	Communication	Yet to settle
Electronics	Yet to settle	Electronics	Yet to settle

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