

**Department of Electrical and Electronic Engineering
Uttara University**

Offered Courses for Spring-2017

Only for Evening Batches

(Only for the students with diploma degree in Electrical Engineering, Electronic Engineering, Telecommunication Engineering and Computer Engineering)

24th Evening Batch

Level-1, Term-1, Semester-1st

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Prerequisite	Remarks
1	MATH 101	Differential & Integral Calculus	3	3	×	
2	HUM 101	Basic English	3	3	×	
3	HUM 105	Bangladesh Studies	3	3	×	
4	HUM 203	Economics	3	3	MATH 101	
5	CSE 101	Computer Programming	3	3	×	
6	CSE 102	Computer Programming Lab	1.5	3	CSE 101	
Total =			16.5	18	Spring-2017	

23rd Evening Batch

Level-1, Term-2, Semester-2nd

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Prerequisite	Remarks
1	EEE 101	Electrical Circuits-I	3	3	×	
2	EEE 102	Electrical Circuits-I Lab	1.5	3	EEE 101	
3	MATH 103	Differential Equations & Special functions	3	3	MATH 101	
4	HUM 103	Composition & Communication Skills	3	3	HUM 101	
5	HUM 205	Financial and Managerial Accounting	3	3	×	
6	PHY 103	Physics-II	3	3	PHY 101	PHY 101 is waived
Total =			16.5	18	Spring-2017	

22nd Evening Batch

Level-1, Term-3, Semester-3rd

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Prerequisite	Remarks
1	EEE 103	Electrical Circuits-II	3	3	EEE 101	
2	EEE 104	Electrical Circuits-II Lab	1.5	3	EEE 103	
3	EEE 201	Electronics-I	3	3	EEE 103	
4	EEE 202	Electronics-I Lab	1.5	3	EEE 201	
5	MATH 105	Linear Algebra & Mathematical Transformations	3	3	MATH 103	
Total =			12	15	Spring-2017	

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21st Evening Batch**Level-2, Term-1, Semester-4th**

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Prerequisite	Remarks
1	EEE 203	Electronics-II	3	3	EEE 201	
2	EEE 204	Electronics-II Lab	1.5	3	EEE 203	
3	EEE 205	Energy Conversion-I	3	3	PHY 103, EEE 103	
4	EEE 206	Energy Conversion-I Lab	1.5	3	EEE 205	
5	EEE 212	Electronic Circuit Simulation Laboratory	1.5	3	EEE 201, EEE 103	
6	MATH 201	Vector Geometry and Complex Variables	3	3	MATH 105	
7	HUM 205	Financial and Managerial Accounting	3	3	×	
Total =			16.5	21	Spring-2017	

20th Evening Batch**Level-2, Term-2, Semester-5th**

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Prerequisite	Remarks
1	EEE 207	Digital Electronics	3	3	EEE 201	
2	EEE 208	Digital Electronics Lab	1.5	3	EEE 207	
3	EEE 209	Energy Conversion-II	3	3	EEE 205	
4	EEE 210	Energy Conversion-II Lab	1.5	3	EEE 209	
5	EEE 211	Electromagnetic Fields & Waves	3	3	PHY 101, MATH 201	
6	MATH 203	Probability & Statistics	3	3	MATH 201	
7	HUM 207	Professional Ethics	3	3	×	
Total =			18	21	Spring-2017	

19th Evening Batch**Level-2, Term-3, Semester-6th**

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Prerequisite	Remarks
1	EEE 301	Signal & Systems	3	3	MATH 103 MATH 105 EEE 103	
2	EEE 303	Communication Theory	3	3	EEE 211	
3	EEE 304	Communication Theory Lab	1.5	3	EEE 303	
4	EEE 311	Microprocessor and Interfacing	3	3	EEE 207	
5	EEE 312	Microprocessor and Interfacing Lab	1.5	3	EEE 311	
6	EEE 351	Electrical Properties of Materials	3	3	EEE 201, PHY 101	
7	EEE 483	Transmission and Distribution	3	3	EEE-371	
Total =			18	21	Spring-2017	

18th Evening Batch**Level-3 , Term-1 , Semester-7th**

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Perquisite	Remarks
1	EEE 307	Semiconductor Devices	3	3	EEE 351	
2	EEE 309	Digital Signal Processing	3	3	EEE 301	
3	EEE 310	Digital Signal Processing Lab	1.5	3	EEE 309	
4	EEE-371	Power Systems	3	3	×	
5	EEE 373	Renewable Energy	3	3	×	
6	EEE 483	Transmission and Distribution	3	3	EEE-371	
7	EEE 400	Project and Thesis (Research Methodology)	2	3	×	
Total =			18.5	21	Spring-2017	

17th Evening Batch**Level-3 , Term-2 , Semester-8th**

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Perquisite	Remarks
1	EEE 305	Control Systems	3	3	EEE 309	
2	EEE 306	Control Systems Lab	1.5	3	EEE 305	
3	EEE 313	VLSI Design	3	3	EEE 207 EEE 311	
4	EEE 314	VLSI Design Lab	1.5	3	EEE 313	
5	EEE465	Power Electronics	3	3	EEE 103, EEE 201	
6	EEE466	Power Electronics Lab	1.5	3	EEE465	
7	EEE 400	Project and Thesis	2	2	×	
Total =			15.5	20	Spring-2017	

16th Evening Batch**Level-3 , Term-3 , Semester-9th**

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Perquisite	Remarks
1	EEE 416	Electrical Services Design (Core)	2	3	EEE 103	
2	EEE465	Power Electronics	3	3	EEE 103, EEE 201	
3	EEE466	Power Electronics Lab	1.5	3	EEE465	
4	EEE 473	Power System Protection	3	3	EEE 483	
5	EEE 474	Power System Protection Lab	1.5	3	EEE 473	
6	ME 421	Mechanical Engineering Fundamentals (Core)	3	3	×	
7	EEE 400	Project and Thesis	2	2	×	
Total =			16	20	Spring-2017	

Extra course for those students who want to complete 143 credits

8	EEE 481	High Voltage Engineering	3	3	x	Optional
Total			19	23		