

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

**Offered Courses for Spring-2017**

**Only for Evening(Others Diploma Background) Batches**

(For All Diploma Students **Except** Electrical Engineering, Electronic Engineering, Telecommunication Engineering and Computer Engineering)

**24th Evening Batch (Others Diploma Background)**

**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	
7	<b>PHY 101</b>	<b>Physics-I</b>	<b>3</b>	<b>3</b>	<b>×</b>	
<b>Total =</b>			<b>19.5</b>	<b>21</b>	<b>Spring-2017</b>	

**23<sup>rd</sup> Evening Batch (Others Diploma Background)**

**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
7	<b>PHY 104</b>	<b>Physics-II Lab</b>	<b>1.5</b>	<b>3</b>	<b>PHY 103</b>	
<b>Total =</b>			<b>18</b>	<b>21</b>	<b>Spring-2017</b>	

**22<sup>nd</sup> Evening Batch (Others Diploma Background)**

**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	
6	<b>CHEM 101</b>	<b>Chemistry</b>	<b>3</b>	<b>3</b>	<b>×</b>	
7	<b>CHEM 102</b>	<b>Chemistry Lab</b>	<b>1.5</b>	<b>3</b>	<b>CHEM 101</b>	
<b>Total =</b>			<b>16.5</b>	<b>21</b>	<b>Spring-2017</b>	

(For All Diploma Students **Except** Electrical Engineering, Electronic Engineering, Telecommunication Engineering and Computer Engineering)

21 <sup>st</sup> Evening Batch (Others Diploma Background)						
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	×	
<b>Total =</b>			<b>16.5</b>	<b>21</b>	<b>Spring-2017</b>	

20 <sup>th</sup> Evening Batch (Others Diploma Background)						
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	×	
<b>Total =</b>			<b>18</b>	<b>21</b>	<b>Spring-2017</b>	

19 <sup>th</sup> Evening Batch (Others Diploma Background)						
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	
<b>Total =</b>			<b>18</b>	<b>21</b>	<b>Spring-2017</b>	

<b>18<sup>th</sup> Evening Batch (Others Diploma Background)</b>						
<b>Level-3 , Term-1 , Semester-7th</b>						
<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Contact Hr.</b>	<b>Prerequisite</b>	<b>Remarks</b>
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	×	
<b>Total =</b>			<b>18.5</b>	<b>21</b>	<b>Spring-2017</b>	

<b>17<sup>th</sup> Evening Batch (Others Diploma Background)</b>						
<b>Level-3 , Term-2 , Semester-8th</b>						
<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Contact Hr.</b>	<b>Prerequisite</b>	<b>Remarks</b>
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	×	
<b>Total =</b>			<b>15.5</b>	<b>20</b>	<b>Spring-2017</b>	

<b>16<sup>th</sup> Evening Batch (Others Diploma Background)</b>						
<b>Level-3 , Term-3 , Semester-9th</b>						
<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Contact Hr.</b>	<b>Prerequisite</b>	<b>Remarks</b>
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	×	
<b>Total =</b>			<b>16</b>	<b>20</b>	<b>Spring-2017</b>	