

**Leading University**  
**Department of Electrical & Electronic Engineering**

**Fall 2018 Semester**  
**Offered Courses for Weekday Program**

1E	Syllabus: EEE Day-3 Starting from Spring-16)			25 <sup>th</sup> Batch
Course Code	Course Title	Credit	Contact Hour	Remarks
MATH-1111	Differential and Integral Calculus	3	3	N/A
CSE-1213	Computer Programming	2	2	CSE-1111
CSE-1214	Computer Programming Lab	1	2	N/A
EEE-1111	Electrical Circuits I	3	3	N/A
EEE-1112	Electrical Circuits I Lab	1	2	N/A
	<b>Total</b>	<b>10</b>		

2E	Syllabus: EEE Day-3 (Starting from Spring-16)			24 <sup>th</sup> Batch
Course Code	Course Title	Credit	Contact Hour	Remarks
MATH-1111	Differential and Integral Calculus	3	3	N/A
CSE-1213	Computer Programming	2	2	CSE-1111
CSE-1214	Computer Programming Lab	1	2	N/A
EEE-1111	Electrical Circuits I	3	3	N/A
EEE-1112	Electrical Circuits I Lab	1	2	N/A
	<b>Total</b>	<b>10</b>		

3E	Syllabus: EEE Day-3 (Starting from Spring-16)			23 <sup>r<sup>d</sup></sup> Batch
Course Code	Course Title	Credit	Contact Hour	Remarks
CSE-1213	Computer Programming	2	2	CSE-1111
CSE-1214	Computer Programming Lab	1	2	N/A
MATH-1315	<i>Differential Equations and Fourier Analysis</i>	3	3	MATH-1213
ART- 2213	<i>Professional Ethics</i>	3	3	N/A
EEE-1315	Electronics I	3	3	EEE-1213
EEE-1316	Electronics Circuit Simulation Lab	1.5	3	EEE-1214
	<b>Total</b>	<b>13.5</b>		

4E	Syllabus: EEE Day-3 (Starting from Spring-16)			22 <sup>nd</sup> Batch
Course Code	Course Title	Credit	Contact Hour	Remarks
ART- 2213	Professional Ethics	3	3	N/A
CHEM-2311	Chemistry	2	2	N/A
CHEM-2312	Chemistry Lab	1	2	N/A
CSE-2111	Numerical Methods	2	2	N/A
CSE-2112	Numerical Methods Lab	1	2	N/A
EEE-1317	Energy Conversion I	3	3	EEE-1213
CE-2112	Computer Aided Engineering Drawing	2	4	N/A
	<b>Total</b>	<b>14</b>		

5E	Syllabus: EEE Day-3 (Starting from Spring-16)			21 <sup>st</sup> Batch
Course Code	Course Title	Credit	Contact Hour	Remarks
ART- 2213	Professional Ethics*	3	3	N/A
CHEM-2311	Chemistry	2	2	N/A
CHEM-2312	Chemistry Lab	1	2	N/A
CSE-2111	Numerical Methods	2	2	N/A
CSE-2112	Numerical Methods Lab	1	2	N/A
EEE-1317	Energy Conversion I	3	3	EEE-1213
CE-2112	Computer Aided Engineering Drawing	2	4	N/A
	<b>Total</b>	<b>14</b>		

6E	Syllabus: EEE Day-3 (Starting from Spring-16)			20 <sup>th</sup> Batch
Course Code	Course Title	Credit	Contact Hour	Remarks
CHEM-2311	Chemistry	2	2	N/A
CHEM-2312	Chemistry Lab	1	2	N/A
CSE-3115	Computer Networks	2	2	<b>CSE- 1111</b>
CSE-3116	Computer Networks Lab	1	2	<b>N/A</b>
EEE-3111	Signals and Linear Systems	2	2	MATH- 1213
EEE-3112	Signals and Linear Systems Lab	1.5	3	CSE- 2112 & EEE- 1316
EEE-3113	Electromagnetic <b>Fields</b> and Waves	2	2	PHY-2213 & MATH- 2111

ME-2211	Mechanical Engineering Fundamentals	3	3	N/A
ME-2212	Mechanical Engineering Fundamentals Lab	1	2	N/A
<b>Total</b>		<b>15.5</b>		

<b>8E</b>	<b>Syllabus: EEE Day-3 (Starting from Spring-16)</b>			<b>18<sup>th</sup> Batch</b>
<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>	<b>Contact Hour</b>	<b>Remarks</b>
CSE-3115	Computer Networks	2	2	<b>CSE- 1111</b>
CSE-3116	Computer Networks Lab	1	2	N/A
EEE-3113	Electromagnetic Fields and Waves	2	2	PHY-2213 & MATH- 2111
EEE-4011	Power System II	3	3	<b>EEE-3115</b>
EEE-4127	VLSI I	2	2	EEE-2315
EEE-4128	VLSI I Lab	1	2	EEE-2316
<b>Total</b>		<b>11</b>		

<b>9E</b>	<b>Syllabus: EEE Day-3 (Starting from Spring-16)</b>			<b>17<sup>th</sup> Batch</b>
<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>	<b>Contact Hour</b>	<b>Remarks</b>
EEE-4011	Power System II	3	3	<b>EEE-3115</b>
EEE-4127	VLSI I	2	2	EEE-2315
EEE-4128	VLSI I Lab	1	2	EEE-2316
EEE-3327	Digital Communication	3	3	EEE-3217
EEE-3328	Digital Communication Lab	1	2	EEE-3218
EEE-4113	Energy Conversion III	3	3	<b>EEE-2213</b>
<b>Total</b>		<b>13</b>		

<b>10E</b>	<b>Syllabus: EEE Day-2 (Starting from Spring-13)</b>			<b>16<sup>th</sup> Batch</b>
<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>	<b>Contact Hour</b>	<b>Remarks</b>
EEE-4345	Measurement and Instrumentation	2	2	
EEE-4115	Power Electronics	3	3	EEE-2315
EEE-4116	Power Electronics : Sessional	1	2	EEE-2316
EEE-4229	Switchgear and Protection	3	3	<b>EEE-4011</b>
EEE-4230	Switchgear and Protection : Sessional	1	2	<b>EEE-2214</b>
EEE-4119	Renewable Energy Conversion	2	2	<b>EEE-2213</b>
<b>Total</b>		<b>12</b>		

<b>11E</b>	<b>Syllabus: EEE Day-2 (Starting from Spring-13)</b>			<b>15<sup>th</sup> Batch</b>
<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>	<b>Contact Hour</b>	<b>Remarks</b>
EEE-4345	Measurement and Instrumentation	2	2	
EEE-4115	Power Electronics	3	3	EEE-2315
EEE-4116	Power Electronics : Sessional	1	2	EEE-2316
EEE-4229	Switchgear and Protection	3	3	<b>EEE-4011</b>
EEE-4230	Switchgear and Protection : Sessional	1	2	<b>EEE-2214</b>
EEE-4119	Renewable Energy Conversion	2	2	<b>EEE-2213</b>
EEE 4800	Project/Thesis	6	12	
	<b>Total</b>	<b>18</b>		

<b>12E</b>	<b>Syllabus: EEE Day-2 (Starting from Spring-13)</b>			<b>14<sup>th</sup> Batch</b>
<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>	<b>Contact Hour</b>	<b>Remarks</b>
EEE-4345	Measurement and Instrumentation	2	2	
ECE-4221	Cellular Mobile & Satellite Communication	3	3	<b>EEE-3327</b>
EEE-4117	Power Plant Engineering	3	3	<b>EEE-4011</b>
	<b>Total</b>	<b>8</b>		

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Rumel M S Rahman Pir  
Associate Professor & Head  
Department of EEE, LU

## Offered Courses for Weekend Program Fall-2018 Semester

1DE	Syllabus: EEE Diploma-3 (Starting from Spring-16)			25 <sup>th</sup> Batch
Course Code	Course Title	Credit	Contact Hour	Remarks
ENG-1213	English Composition / Writing	3.0	3.0	ENG-1111
MATH-1111	<i>Differential and Integral Calculus</i>	3.0	3.0	N/A
EEE-1111	Electrical Circuits I	3.0	3.0	N/A
<b>Total</b>		09		

2DE	Syllabus: EEE Diploma-3 (Starting from Spring-16)			24 <sup>th</sup> Batch
Course Code	Course Title	Credit	Contact Hour	Remarks
ENG-1213	English Composition / Writing	3.0	3.0	ENG-1111
EEE-1213	Electrical Circuits II	3	3	
EEE-1214	Electrical Circuits II Lab	1.5	3	
MATH-1111	<i>Differential and Integral Calculus</i>	3.0	3.0	N/A
CSE-2111	Numerical Methods	2.0	2.0	N/A
CSE-2112	Numerical Methods Lab	1.0	2.0	N/A
<b>Total</b>		13.5		

3DE	Syllabus: EEE Diploma-3 (Starting from Spring-16)			23 <sup>rd</sup> batch
Course Code	Course Title	Credit	Contact Hour	Remarks
ENG-1213	English Composition / Writing	3.0	3.0	ENG-1111
MATH-2111	<i>Co-ordinate Geometry and Vector Analysis</i>	3.0	3.0	MATH-1315
CSE-2111	Numerical Methods	2.0	2.0	N/A
CSE-2112	Numerical Methods Lab	1.0	2.0	N/A
EEE-1213	Electrical Circuits II	3.0	3.0	EEE-1111
EEE-1214	Electrical Circuits II Lab	1.5	3.0	EEE-1111
<b>Total</b>		13.5		

4DE	Syllabus: EEE Diploma-3 (Starting from Spring-16)			22 <sup>nd</sup> Batch
Course Code	Course Title	Credit	Contact Hour	Remarks
MATH-2111	<i>Co-ordinate Geometry and Vector Analysis</i>	3.0	3.0	MATH-1315
EEE-3111	Signals and Linear Systems	2	2.0	MATH-1213
EEE-3112	Signals and Linear Systems Lab	1.5	3.0	CSE- 2112 & EEE- 1316
EEE-2315	Electronics II	3.0	3.0	EEE-1317
EEE-2316	Electronics II Lab	1.5	3.0	EEE-1214 & EEE-2214
<b>Total</b>		<b>11</b>		

5DE	Syllabus: EEE Diploma-3 (Starting from Spring-16)			21 <sup>st</sup> Batch
Course Code	Course Title	Credit	Contact Hour	Remarks
MATH-2111	<i>Co-ordinate Geometry and Vector Analysis</i>	3.0	3.0	MATH-1315
EEE-3111	Signals and Linear Systems	2	2.0	MATH-1213
EEE-3112	Signals and Linear Systems Lab	1.5	3.0	CSE- 2112& EEE- 1316
EEE-3115	Power System I	3.0	3.0	EEE-1317
EEE-3116	Power System I Lab	1.0	2.0	EEE-1214 & EEE-2214
EEE-3219	Control System I	2.0	2.0	
EEE-3220	Control System I Lab	1.0	2.0	
<b>Total</b>		<b>13.5</b>		

6DE	Syllabus: EEE Diploma-3 (Starting from Spring-16)			20 <sup>th</sup> Batch
Course Code	Course Title	Credit	Contact Hour	Remarks
EEE-3221	Microprocessor, Assembly Language & Computer Interfacing	3.0	3.0	EEE- 2317
EEE-3222	Microprocessor, Assembly Language & Computer Interfacing Lab	1.0	2.0	EEE- 2318
EEE-3111	Signals and Linear Systems	2	2.0	MATH-1213
EEE-3112	Signals and Linear Systems Lab	1.5	3.0	CSE- 2112& EEE- 1316
EEE-3219	Control System I	2.0	2.0	EEE- 3111
EEE-3220	Control System I Lab	1.0	2.0	EEE-3112
EEE-4011	Power System II	3.0	3.0	<b>EEE-3115</b>
<b>Total</b>		<b>13.5</b>		

7DE	Syllabus: EEE Diploma-3 (Starting from Spring-16)			19 <sup>th</sup> Batch
Course Code	Course Title	Credit	Contact Hour	Remarks
EEE-3221	Microprocessor, Assembly Language & Computer Interfacing	3.0	3.0	EEE- 2317
EEE-3222	Microprocessor, Assembly Language & Computer Interfacing Lab	1.0	2.0	EEE- 2318
EEE-4011	Power System II	3.0	3.0	<b>EEE-3115</b>
EEE-4113	Energy Conversion III	3.0	3.0	<b>EEE-2213</b>
ECE-4117	Optical Fiber Communication	3.0	3.0	
	<b>Total</b>	<b>13</b>		

9DE	Syllabus: EEE Diploma-3 (Starting from Spring-16)			17 <sup>th</sup> Batch
Course Code	Course Title	Credit	Contact Hour	Remarks
ECE-4117	Optical Fiber Communication	3.0	3.0	<b>EEE-3327</b>
EEE-4113	Energy Conversion III	3.0	3.0	<b>EEE-2213</b>
EEE-4117	Power Plant Engineering	3.0	3.0	<b>EEE-4011</b>
EEE-4229	Switchgear and Protection	3.0	3.0	<b>EEE-4011</b>
EEE-4230	Switchgear and Protection Lab	1.0	2.0	<b>EEE-3116</b>
	<b>Total</b>	<b>13</b>		

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Rumel M S Rahman Pir  
Associate Professor & Head  
Department of EEE, LU