

European University of Bangladesh (EUB)
Courses to be offered for EEE Department
Semester: Fall-2023
B.Sc. in EEE (Regular)

1st Year 1st Semester/ 34th Batch/ 1st Semester/ (4 months Curriculum)				
Course Code	Course Title	Credit	Credit Hour	Department
EEE-101	Electrical Circuits-I	3	3	EEE
EEE-102	Electrical Circuits-I Lab	1	2	EEE
MTH-101	Differential and Integral Calculus	3	3	Mathematics
CHM-101	Chemistry	3	3	Chemistry
CHM-102	Chemistry Lab	1	2	Chemistry
PHY-101	Physics-I	3	3	Physics
PHY-102	Physics-I Lab	1	2	Physics
		15	18	

1st Year 2nd Semester/ 33rd Batch/ 2nd Semester/(4 months Curriculum)				
Course Code	Course Title	Credit	Credit Hour	Department
EEE-103	Electrical Circuits-II	3	3	EEE
EEE-104	Electrical Circuits-II Lab	1	2	EEE
MTH-103	Differential Equations	3	3	Mathematics
PHY-103	Physics-II	3	3	Physics
PHY-104	Physics-II Lab	1	2	Physics
ENG-101	Oral and Written English	3	3	English
		14	16	

1st Year 3rd Semester/ (32nd Batch)/ 3rd Semester/(4 months Curriculum)				
Course Code	Course Title	Credit	Credit Hour	Department
EEE-201	Electronics-I	3	3	EEE
EEE-202	Electronics-I Lab	1	2	EEE
EEE-100	Electrical Drawing and Drafting Lab	1	2	EEE
GED-101	Bangladesh Studies (History of Independence of Bangladesh)	3	3	BBA
BBA-103	Financial and Managerial Accounting	3	3	BBA
EEE-318	Engineering Simulation Lab	1	2	EEE
		12	15	

2nd Year 1st Semester/ (31st Batch)/ 4th Semester/(4 months Curriculum)				
Course Code	Course Title	Credit	Credit Hour	Department
EEE-205	Electronics-II	3	3	EEE
EEE-206	Electronics-II Lab	1	2	EEE
CSE-203	Programming Language	3	3	CSE
CSE-204	Programming Language Lab	1	2	CSE
MTH-201	Linear Algebra and Complex Variables	3	3	Mathematics
BBA-201	Business Communication	3	3	BBA
		14	16	

2nd Year 2nd Semester/ (30th Batch)/ 5th Semester/(4 months Curriculum)				
Course Code	Course Title	Credit	Credit Hour	Department

EEE-203	Electrical Machines-I	3	3	EEE
EEE-204	Electrical Machines-I Lab	1	2	EEE
EEE-211	Semiconductor Device	3	3	EEE
MTH-203	Probability and Statistics	3	3	Mathematics
BBA-207	Industrial and Operational Management	3	3	IPE
		13	14	

2nd Year 3rd Semester/ (29th Batch)/ 6th Semester/(4 months Curriculum)				
Course Code	Course Title	Credit	Credit Hour	Department
EEE-207	Digital Logic Design	3	3	EEE
EEE-208	Digital Logic Design Lab	1	2	EEE
EEE-209	Electrical Machines-II	3	3	EEE
EEE-210	Electrical Machines-II Lab	1	2	EEE
ME-201	Mechanical Engineering Fundamentals	3	3	IPE
MTH-205	Co-ordinate Geometry and Vector Analysis	3	3	Mathematics
		14	16	

3rd Year 1st Semester/ (28th Batch)/ 7th Semester/(4 months Curriculum)				
Course Code	Course Title	Credit	Credit Hour	Department
EEE-309	Digital Signal Processing	3	3	EEE
EEE-310	Digital Signal Processing Lab	1.5	2	EEE
EEE-305	Electromagnetic Fields and Waves	3	3	EEE
CE-100	Engineering Drawing	2	2	EEE
		9.5	10	

3rd Year 2nd Semester/ (27th Batch)/ 8th Semester/(4 months Curriculum)				
Course Code	Course Title	Credit	Credit Hour	Department
EEE-307	Microprocessor and Interfacing	3	3	EEE
EEE-308	Microprocessor and Interfacing Lab	1.5	2	EEE
EEE-331	Power Electronics	3	3	EEE
EEE-332	Power Electronics Lab	1.5	2	EEE
EEE-313	Electrical Engineering Materials	3	3	EEE
GED-301	Professional Ethics	3	3	BBA
		15	16	

3rd Year 3rd Semester/ (26th Batch)/ 9th Semester/(4 months Curriculum)				
Course Code	Course Title	Credit	Credit Hour	Department
EEE-473	Optical Fiber Communication	3	3	EEE
EEE-445	Transmission and Distribution	3	3	EEE
EEE-311	Communication Engineering	3	3	EEE
EEE-312	Communication Engineering Lab	1.5	2	EEE
EEE-207	Digital Electronics	3	3	EEE
EEE-208	Digital Electronics Lab	1.5	2	EEE
		15	16	

4th Year 1st Semester/ (25th Batch)/ 10th Semester/(4 months Curriculum)				
Course Code	Course Title	Credit	Credit Hour	Department
EEE-401	Control Systems	3	3	EEE
EEE-402	Control Systems Lab	1.5	2	EEE
EEE-447	Power Systems Engineering	3	3	EEE
EEE-449	Power Plant Engineering	3	3	EEE
BBA-315	Financial and Managerial Accounting	3	3	BBA
		13.5	14	

4th Year 2nd Semester/ (24th Batch)/ 11th Semester/(4 months Curriculum)				
Course Code	Course Title	Credit	Credit Hour	Department
EEE-459	Optoelectronics	3	3	EEE
EEE-471	Wireless and Mobile Communication	3	3	EEE
EEE-315	Electrical Measurements and Instrumentation	3	3	EEE
EEE-453	Power System Protection	3	3	EEE
BBA-407	Industrial and Operational Management	3	3	IPE
		15	15	

4th Year 3rd Semester/ (23rd Batch)/ 12th Semester/(4 months Curriculum)				
Course Code	Course Title	Credit	Credit Hour	Department
EEE-498	Project/Internship/Thesis	6	6	EEE
		6	6	

Course Offer for Irregular Students				
Course Code	Course Title	Credits	Credit Hour	Department
EEE-204	Electrical Machines-I Lab	1.5	2	EEE
EEE-104	Electrical Circuits Lab	1.5	2	EEE
EEE-206	Electronics Lab	1.5	2	EEE
MTH-201	Co-ordinate Geometry and Vector Analysis	3	3	Mathematics
MTH-105	Linear Algebra and Complex Variable	3	3	Mathematics
CHM-102	Chemistry Lab	1.5	2	Chemistry
PHY-104	Physics Lab	1.5	2	Physics
CSE-101	Computer Fundamentals	3	3	CSE
CSE-102	Computer Fundamentals Lab	1.5	2	CSE
ENG-101	Foundation English	3	3	English
ENG-106	English Language-II : Oral and Written Communication	3	3	English
BBA-313	Industrial Economics	3	3	Economics
CSE-203	Computer Programming	3	3	CSE
CSE-204	Computer Programming Lab	1.5	2	CSE
EEE-302	Digital Logic Design	3	3	EEE
MTH-205	Numerical Methods and Fourier and Laplace Transformation	3	3	Mathematics
EEE-303	Signals and Systems	3	3	EEE
EEE-210	Electrical Machines-II Lab	1.5	2	EEE

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