



সংশোধিত Course Codes in OBE Course Curricula

(৭১-তম একাডেমিক কাউন্সিলের সভায় অনুমোদিত)

**B. Sc. in Electrical and Electronic Engineering Degree, HSTU এর OBE
(Outcome Based Education) Course Curricula-তে বিভিন্ন বিভাগের Overlapping
Course Codes গুলো সংশোধন করে নতুন Course Codes চালু করা হয়েছে ।**

Curriculum Structure

4-Years B.Sc. (Engineering) in Electrical and Electronic Engineering (EEE)

Course Layout

Level-1 Semester-I

S/N	Present Course Code	Proposed Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 101	No change	Electrical Circuits-I	3.00	3.00
2	EEE 102		Electrical Circuits-I Sessional	1.50	3.00
3	CHE 117		Chemistry	3.00	3.00
4	CHE 118		Chemistry Sessional	0.75	1.50
5	PHY 115		Classical Physics	3.00	3.00
6	PHY 116		Classical Physics Sessional	0.75	1.50
7	MAT 129	MAT 153	Calculus-I	3.00	3.00
8	ENG 123	No change	English	2.00	2.00
9	SOC 121		Sociology and Professional Ethics	2.00	2.00
Total				19.00	22.00

Level-1 Semester-II

S/N	Present Course Code	Proposed Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 151	No change	Electrical Circuits-II	3.00	3.00
2	EEE 152		Electrical Circuits-II Sessional	1.50	3.00
3	EEE 154		Electrical Circuit Simulation Laboratory	0.75	1.50
4	PHY 151	PHY 155	Electricity, Magnetism and Modern Physics	3.00	3.00
5	PHY 152	PHY 156	Electricity, Magnetism and Modern Physics Sessional	0.75	1.50
6	CSE 163	No change	Computer Programming	3.00	3.00
7	CSE 164		Computer Programming Sessional	0.75	1.50
8	MAT 151	MAT 155	Ordinary and Partial Differential Equations	3.00	3.00
9	STT 151	STT 129	Basic Statistics and Probability	3.00	3.00
Total				18.75	22.50

Level-2 Semester-I

S/N	Present Course Code	Proposed Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 201	No change	Electronics-I	3.00	3.00
2	EEE 202		Electronics-I Sessional	1.50	3.00
3	EEE 203		Electrical Machine-I	3.00	3.00
4	EEE 204		Electrical Machine-I Sessional	1.50	3.00
5	EEE 205		Electromagnetic Fields and Waves	3.00	3.00
6	ECE 207		Signals and Systems	3.00	3.00
7	MAT 213	MAT 253	Linear Algebra	2.00	2.00
8	MAT 231	MAT 255	Calculus-II	3.00	3.00
9	CIE 202	CIE 218	Engineering Drawing	1.50	3.00
Total				21.50	26.00

Level-2 Semester-II

S/N	Present Course Code	Proposed Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 251	No change	Electrical Machine-II	3.00	3.00
2	EEE 252		Electrical Machine-II Sessional	1.50	3.00
3	EEE 253		Electronics-II	3.00	3.00
4	EEE 254		Electronics-II Sessional	1.50	3.00
5	EEE 256		Electronics Circuit Simulation and PCB Design Sessional	1.50	3.00
6	EEE 259		Numerical Methods in Engineering	3.00	3.00
7	EEE 260		Numerical Methods in Engineering Sessional	0.75	1.50
8	MEE 251	MEE 203	Mechanical Engineering Fundamentals	3.00	3.00
9	MEE 252	MEE 204	Mechanical Engineering Fundamentals Sessional	0.75	1.50
10	ECN 277	No change	Fundamentals of Economics	2.00	2.00
Total				20.00	26.00

Level-3 Semester-I

S/N	Present Course Code	Proposed Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 301	No change	Optoelectronics	3.00	3.00
2	EEE 302		Optoelectronics Sessional	0.75	1.50
3	EEE 303		Digital Electronics	3.00	3.00
4	EEE 304		Digital Electronics Sessional	1.50	3.00
5	EEE 305		Transmission and Distribution of Electrical Power	3.00	3.00
6	EEE 306		Transmission and Distribution of Electrical Power Sessional	0.75	1.50
7	EEE 307		Electrical Properties of Material	3.00	3.00
8	EEE 310		Electrical Machine Simulation Sessional	0.75	1.50
9	ECE 313		Communication Theory	3.00	3.00
10	ECE 314		Communication Theory Sessional	0.75	1.50
11	ACT 305		Financial and Managerial Accounting	2.00	2.00
Total				21.50	26.00

Level-3 Semester-2

S/N	Present Course Code	Proposed Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 351	No change	Power Electronics and Drives	3.00	3.00
2	EEE 352		Power Electronics and Drives Sessional	1.50	3.00
3	EEE 353		Digital Signal Processing	3.00	3.00
4	EEE 354		Digital Signal Processing Sessional	1.50	3.00
5	EEE 355		Power System I	3.00	3.00
6	EEE 356		Power System I Sessional	1.50	3.00
7	EEE 358		Electrical Services Design and CAD Sessional	1.50	3.00
8	CSE 365		Microprocessor and Interfacing	3.00	3.00
9	CSE 366		Microprocessor and Interfacing Sessional	0.75	1.50
10	MGT 351		Industrial Management	2.00	2.00
Total				20.75	27.50