



University of Global Village (UGV)

874/322,C&B Road, Barisal,

info@ugv.edu.bd, ugvbarisal@gmail.com, www.ugv.edu.bd, facebook.com/ugvbarisal

Course Structure of B.Sc. in Civil Engineering (Evening Program)

1st Semester

SL No.	Course No.	Course Title	Credit
01	EEE-1001	Basic Electrical Engineering	3
02	EEE-1002	Basic Electrical Engineering Lab	1
03	Math-1101	Engineering Mathematics-I (Differential and Integral Calculus)	4
04	Ph-1101	Physics-I (Thermal Physics, Properties of matter, Electricity and Magnetism)	4
05	Ph-1102	Physics-I Lab	1
06	CE-1005	Details of Construction and Estimating	2
07	CE-1006	Details of Construction and Estimating Lab	1
08	CE-2001	Engineering Materials-II	3
09	CE-2002	Engineering Materials-II Lab	1
10	CE-1009	Engineering Mechanics	4
11	SAP-101	Student Attachment Programme-1	1
		Total	25

2nd Semester

SL No.	Course No.	Course Title	Credit
01	Math-2101	Engineering Mathematics-II (Co-ordinate Geometry and Vector Analysis)	4
02	Ph-2101	Physics-II (Optics and Modern Physics)	3
03	Ph0-2102	Physics-II Lab	1
04	CE-2105	Design of Concrete Structures-I	4
05	CE-2106	Design of Concrete Structures-I Lab	1
06	CE-2003	Numerical Methods and Computer Programming	3
07	CE-2004	Numerical Methods and Computer Programming Lab	1
08	CE-2201	Fluid Mechanics	4
09	CE-2202	Fluid Mechanics Lab	1
10	Hum-1108	Bangladesh Studies	2
11	SAP-102	Student Attachment Programme-2	1
		Total	25

3rd Semester

SL No.	Course No.	Course Title	Credit
01	Math-2103	Engineering Mathematics-III (Differential Equation and Laplace Transform)	4
02	CE-2101	Mechanics of Solids-I	3
03	CE-2102	Mechanics of Solids-I Lab	1
04	CE-3101	Structural Analysis and Design-I	4
05	CE-3102	Structural Analysis and Design-I Lab	1
06	CE-3003	Engineering Geology and Geomorphology	3
07	CE-3401	Environmental Engineering-I	4
08	CE-3402	Environmental Engineering-I Lab	1
09	CE-3103	Design of Concrete Structures-II	4
10	SAP-201	Student Attachment Programme-3	1
		Total	26

4th Semester

SL No.	Course No.	Course Title	Credit
01	Math-3101	Engineering Mathematics-IV (Solid Geometry, Fourier Analysis and Statistics)	4
02	CE-3105	Structural Analysis and Design-II	3
03	CE-3106	Structural Analysis and Design-II Lab	1
04	CE-3201	Open Channel Flow	3
05	CE-3202	Open Channel Flow Lab	1
06	CE-3203	Hydrology	3
07	CE-3301	Geotechnical Engineering-I	4
08	CE-3302	Geotechnical Engineering-I Lab	1
09	CE-2103	Mechanics of Solids-II	3
10	CE-2104	Mechanics of Solids-II Lab	1
11	CE-3104	Design of Concrete Structures-II Lab	1
12	SAP-202	Student Attachment Programme-4	1
		Total	26

5th Semester

SL No.	Course No.	Course Title	Credit
01	CE-4101	Structural Analysis and Design-III	4
	CE-4102	Structural Analysis and Design-III Lab	1
02	CE-3501	Transportation Engineering-I	4
03	CE-3502	Transportation Engineering-I Lab	1
04	CE-4201	Irrigation and Flood Control	4
05	CE-4202	Irrigation and Flood Control Lab	1
06	CE-4301	Geotechnical Engineering-II	4
07	CE-4302	Geotechnical Engineering-II Lab	1
08	CE-4401	Environmental Engineering-II	4
09	CE-4402	Environmental Engineering-II Lab	1
10	SAP-301	Student Attachment Programme-5	1
		Total	26

6th Semester

SL No.	Course No.	Course Title	Credit
01	CE-4501	Transportation Engineering-II	3
02	CE-4502	Transportation Engineering-II Lab	1
03	Hum-4101	Socio-Economic Aspects of Development Project	3
04	Hum-4103	Project Planning and Management	4
05	CE-4104	Building Design Lab	1
06		Optional-I	2
07		Optional-II	2
08	CE-4000	Project and Thesis	6
09	SAP-302	Student Attachment Programme-6	1
		Total	23

Total Credit = 151