



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

### 1<sup>st</sup> Semester

SL No.	Course No.	Course Title	Credit
01	EEE-1001	Basic Electrical Engineering	3
02	EEE-1002	Basic Electrical Engineering Lab	1
03	CE-1003	Engineering Materials-I	2
04	CE-1008	Civil Engineering Drawing Lab	1
05	Math-1101	Mathematics-I	4
06	Ph-1101	Physics-I (Thermal Physics, Properties of matter, Electricity and Magnetism)	4
07	Ph-1102	Physics-I Lab	1
08	Hum-1103	English and Economics	3
09	Hum-1101	Accounting and Sociology	2
		<b>Total</b>	<b>21</b>

### 2<sup>nd</sup> Semester

SL No.	Course No.	Course Title	Credit
01	CE-1001	Surveying	4
02	CE-1002	Surveying Lab	1
03	Math-2101	Mathematics-II	4
04	Ch-1101	Chemistry-I (Polymer and Organic Chemistry)	3
05	Ch-1102	Chemistry-I Lab	1
06	Ph-2101	Physics-II (Optics and Modern Physics)	3
07	Ph-2102	Physics-II Lab	1
08	BDS-907	Bangladesh Studies	2
09	Hum-4101	Socio-Economic Aspects of Development Project	3
		<b>Total</b>	<b>22</b>

### 3<sup>rd</sup> Semester

SL No.	Course No.	Course Title	Credit
01	CE-1009	Engineering Mechanics	4
02	CE-2001	Engineering Materials-II	3
03	CE-2002	Engineering Materials-II Lab	1
04	CE-2105	Design of Concrete Structures-I	4
05	CE-2106	Design of Concrete Structures-I Lab	1
06	CE-1004	Welding and Carpentry Shop	1
07	CE-1005	Details of Construction and Estimating	2
08	CE-1006	Details of Construction and Estimating Lab	1
09	Math-2103	Mathematics-III	4
		<b>Total</b>	<b>21</b>

**4<sup>th</sup> Semester**

SL No.	Course No.	Course Title	Credit
01	CE-2003	Numerical Methods and Computer Programming	3
02	CE-2004	Numerical Methods and Computer Programming Lab	1
03	CE-2101	Mechanics of Solids-I	3
04	CE-2102	Mechanics of Solids-I Lab	1
05	CE-2201	Fluid Mechanics	4
06	CE-2202	Fluid Mechanics Lab	1
07	CE-3101	Structural Analysis and Design-I	4
08	CE-3102	Structural Analysis and Design-I Lab	1
09	Math-3101	Mathematics-IV	4
<b>Total</b>			<b>22</b>

**5<sup>th</sup> Semester**

SL No.	Course No.	Course Title	Credit
01	CE-3105	Structural Analysis and Design-II	3
02	CE-3106	Structural Analysis and Design-II Lab	1
03	CE-3003	Engineering Geology and Geomorphology	3
04	CE-2103	Mechanics of Solids-II	3
05	CE-2104	Mechanics of Solids-II Lab	1
06	CE-3103	Design of Concrete Structures-II	4
07	CE-3104	Design of Concrete Structures-II Lab	1
08	CE-3201	Open Channel Flow	3
09	CE-3202	Open Channel Flow Lab	1
10	Hum-4103	Project Planning and Management	4
<b>Total</b>			<b>24</b>

**6<sup>th</sup> 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-3203	Hydrology	3
03	CE-3301	Geotechnical Engineering-I	4
04	CE-3302	Geotechnical Engineering-I Lab	1
05	CE-3401	Environmental Engineering-I	4
06	CE-3402	Environmental Engineering-I Lab	1
07	CE-3501	Transportation Engineering-I	4
08	CE-3502	Transportation Engineering-I Lab	1
<b>Total</b>			<b>23</b>

**7<sup>th</sup> Semester**

SL No.	Course No.	Course Title	Credit
01	CE-4201	Irrigation and Flood Control	4
02	CE-4202	Irrigation and Flood Control Lab	1
03	CE-4301	Geotechnical Engineering-II	4
04	CE-4302	Geotechnical Engineering-II Lab	1
05	CE-4401	Environmental Engineering-II	4
06	CE-4402	Environmental Engineering-II Lab	1
07	CE-4501	Transportation Engineering-II	3
08	CE-4502	Transportation Engineering-II Lab	1
09	CE***	Optional-I	2
10	CE***	Optional-II	2
		<b>Total</b>	<b>23</b>

**8<sup>th</sup> Semester**

SL No.	Course No.	Course Title	Credit
01	CE-4000	Project and Thesis	6
02	CE-4001	Internship	1
		<b>Total</b>	<b>7</b>

**Total Credit = 163**