

## YEAR/SEMESTER-WISE COURSE DISTRIBUTION

### a) First-Year Courses:

| <b>Year-1, Semester-1</b> |                    |                                 |                    |                     |                       |
|---------------------------|--------------------|---------------------------------|--------------------|---------------------|-----------------------|
| <b>SL No.</b>             | <b>Course Code</b> | <b>Course Title</b>             | <b>Credit Hour</b> | <b>Contact Hour</b> | <b>Type of Course</b> |
| <b>1</b>                  | ENG 0231 1101      | English                         | 3.00               | 3.00                | T                     |
| <b>2</b>                  | BAN 0231 1101      | Bengali Language and Literature | 3.00               | 3.00                | T                     |
| <b>3</b>                  | PHY 0533 1101      | Physics I                       | 3.00               | 3.00                | T                     |
| <b>4</b>                  | CHE 0531 1101      | Chemistry                       | 3.00               | 3.00                | T                     |
| <b>5</b>                  | CHE 0531 1102      | Chemistry Sessional             | 1.00               | 3.00                | S                     |
| <b>6</b>                  | MAT 0541 1101      | Mathematics I                   | 3.00               | 3.00                | T                     |
| <b>7</b>                  | CE 0732 1002       | Civil Engineering Drawing       | 1.00               | 3.00                | S                     |
| <b>8</b>                  | CE 0732 1004       | Workshop Sessional              | 1.00               | 3.00                | S                     |
| <b>Total =</b>            |                    |                                 | <b>18.00</b>       | <b>24.00</b>        | <b>T= 5,<br/>S= 3</b> |

| <b>Year-1, Semester-2</b> |                    |                                    |                    |                     |                       |
|---------------------------|--------------------|------------------------------------|--------------------|---------------------|-----------------------|
| <b>SL No.</b>             | <b>Course Code</b> | <b>Course Title</b>                | <b>Credit Hour</b> | <b>Contact Hour</b> | <b>Type of Course</b> |
| <b>1</b>                  | ENG 0231 1102      | Developing English Language Skills | 1.00               | 3.00                | S                     |
| <b>2</b>                  | GED 0411 1101      | Accounting and Economics           | 3.00               | 3.00                | T                     |
| <b>3</b>                  | PHY 0533 1102      | Physics Sessional                  | 1.00               | 3.00                | S                     |
| <b>4</b>                  | PHY 0533 1103      | Physics II                         | 3.00               | 3.00                | T                     |

|                |               |                                 |              |              |                   |
|----------------|---------------|---------------------------------|--------------|--------------|-------------------|
| <b>5</b>       | MAT 0541 1103 | Mathematics II                  | 3.00         | 3.00         | T                 |
| <b>6</b>       | CE 0732 1001  | Analytic Mechanics              | 3.00         | 3.00         | T                 |
| <b>7</b>       | CE 0732 1003  | Engineering Materials           | 3.00         | 3.00         | T                 |
| <b>8</b>       | CE 0732 1006  | Engineering Materials Sessional | 1.00         | 3.00         | S                 |
| <b>Total =</b> |               |                                 | <b>18.00</b> | <b>24.00</b> | <b>T= 5, S= 3</b> |

**b) Second-Year Courses:**

| <b>Year-2, Semester-1</b> |                    |  |                    |                     |                       |
|---------------------------|--------------------|--|--------------------|---------------------|-----------------------|
| <b>SL No.</b>             | <b>Course Code</b> | <b>Course Title</b>                        | <b>Credit Hour</b> | <b>Contact Hour</b> | <b>Type of Course</b> |
| <b>1</b>                  | GED 0222 2101      | History of the Emergence of Bangladesh     | 3.00               | 3.00                | T                     |
| <b>2</b>                  | MAT 0541 2101      | Mathematics III                            | 3.00               | 3.00                | T                     |
| <b>3</b>                  | CSE 0613 2101      | Numerical Methods and Computer Programming | 3.00               | 3.00                | T                     |
| <b>4</b>                  | CSE 0613 2102      | Computer Programming Sessional             | 1.00               | 3.00                | S                     |
| <b>5</b>                  | EEE 0613 2101      | Basic Electrical Engineering               | 3.00               | 3.00                | T                     |
| <b>6</b>                  | CE 0732 2001       | Surveying                                  | 3.00               | 3.00                | T                     |
| <b>7</b>                  | CE 0732 2002       | Practical Surveying                        | 1.00               | 3.00                | S                     |
| <b>8</b>                  | CE 0732 2003       | Mechanics of Solids I                      | 3.00               | 3.00                | T                     |
| <b>9</b>                  | CE 0732 2004       | Details of Constructions                   | 1.00               | 3.00                | S                     |
| <b>Total =</b>            |                    |  | <b>21.00</b>       | <b>27.00</b>        | <b>T= 6, S= 3</b>     |

| <b>Year-2, Semester-2</b> |                    |                                       |                    |                     |                       |
|---------------------------|--------------------|---------------------------------------|--------------------|---------------------|-----------------------|
| <b>SL No.</b>             | <b>Course Code</b> | <b>Course Title</b>                   | <b>Credit Hour</b> | <b>Contact Hour</b> | <b>Type of Course</b> |
| <b>1</b>                  | GED 0312<br>2103   | Bangladesh Studies                    | 3.00               | 3.00                | T                     |
| <b>2</b>                  | MAT 0541<br>2103   | Applied Mathematics for Engineers     | 3.00               | 3.00                | T                     |
| <b>3</b>                  | CE 0732<br>2005    | Engineering Geology and Geomorphology | 3.00               | 3.00                | T                     |
| <b>4</b>                  | CE 0732<br>2006    | Mechanics of Solids Sessional         | 1.00               | 3.00                | S                     |
| <b>5</b>                  | CE 0732<br>2007    | Mechanics of Solids II                | 3.00               | 3.00                | T                     |
| <b>6</b>                  | CE 0732<br>2008    | Computer Aided Drafting               | 1.00               | 3.00                | S                     |
| <b>7</b>                  | CE 0732<br>2009    | Fluid Mechanics                       | 3.00               | 3.00                | T                     |
| <b>8</b>                  | CE 0732<br>2010    | Fluid Mechanics Sessional             | 1.00               | 3.00                | S                     |
| <b>9</b>                  | CE 0732<br>2012    | Quantity Surveying                    | 1.00               | 3.00                | S                     |
| <b>Total =</b>            |                    |                                       | <b>19.00</b>       | <b>27.00</b>        | <b>T= 5, S= 4</b>     |

**c) Third-Year Courses:**

| <b>Year-3, Semester-1</b> |                    |                     |                    |                     |                       |
|---------------------------|--------------------|---------------------|--------------------|---------------------|-----------------------|
| <b>SL No.</b>             | <b>Course Code</b> | <b>Course Title</b> | <b>Credit Hour</b> | <b>Contact Hour</b> | <b>Type of Course</b> |

|                |                 |   |              |              |                   |
|----------------|-----------------|---|--------------|--------------|-------------------|
| <b>1</b>       | CE 0732<br>3101 | Structural Analysis and Design I          | 3.00         | 3.00         | T                 |
| <b>2</b>       | CE 0732<br>3103 | Design of Concrete Structures I           | 3.00         | 3.00         | T                 |
| <b>3</b>       | CE 0732<br>3201 | Geotechnical Engineering I                | 3.00         | 3.00         | T                 |
| <b>4</b>       | CE 0732<br>3202 | Geotechnical Engineering<br>Sessional I   | 1.00         | 3.00         | S                 |
| <b>5</b>       | CE 0732<br>3301 | Transportation Engineering I              | 3.00         | 3.00         | T                 |
| <b>6</b>       | CE 0732<br>3302 | Transportation Engineering<br>Sessional I | 1.00         | 3.00         | S                 |
| <b>7</b>       | CE 0732<br>3401 | Environmental Engineering I               | 3.00         | 3.00         | T                 |
| <b>8</b>       | CE 0732<br>3501 | Hydrology                                 | 3.00         | 3.00         | T                 |
| <b>Total =</b> |                 |   | <b>20.00</b> | <b>24.00</b> | <b>T= 6, S= 2</b> |

| <b>Year-3, Semester-2</b> |                        |   |                        |                         |                           |
|---------------------------|------------------------|---|------------------------|-------------------------|---------------------------|
| <b>SL<br/>No.</b>         | <b>Course<br/>Code</b> | <b>Course Title</b>                       | <b>Credit<br/>Hour</b> | <b>Contact<br/>Hour</b> | <b>Type of<br/>Course</b> |
| <b>1</b>                  | CE 0732<br>3104        | Concrete Structures Design<br>Sessional I | 1.00                   | 3.00                    | S                         |
| <b>2</b>                  | CE 0732<br>3105        | Structural Analysis and<br>Design II      | 3.00                   | 3.00                    | T                         |
| <b>3</b>                  | CE 0732<br>3107        | Design of Concrete Structures<br>II       | 3.00                   | 3.00                    | T                         |

|                |                 |  |              |              |                   |
|----------------|-----------------|--|--------------|--------------|-------------------|
| <b>4</b>       | CE 0732<br>3203 | Geotechnical Engineering II                | 3.00         | 3.00         | T                 |
| <b>5</b>       | CE 0732<br>3204 | Geotechnical Engineering<br>Sessional II   | 1.00         | 3.00         | S                 |
| <b>6</b>       | CE 0732<br>3303 | Transportation Engineering II              | 3.00         | 3.00         | T                 |
| <b>7</b>       | CE 0732<br>3304 | Transportation Engineering<br>Sessional II | 1.00         | 3.00         | S                 |
| <b>8</b>       | CE 0732<br>3403 | Environmental Engineering II               | 4.00         | 4.00         | T                 |
| <b>9</b>       | CE 0732<br>3404 | Environmental Engineering<br>Sessional     | 1.00         | 3.00         | S                 |
| <b>10</b>      | CE 0732<br>3000 | Industrial Training                        | 1.00         | 3 weeks      | -                 |
| <b>Total =</b> |                 |  | <b>21.00</b> | <b>28.00</b> | <b>T= 5, S= 4</b> |

**d) Fourth-Year Courses:**

| <b>Year-4, Semester-1</b> |                    |  |                    |                     |                       |
|---------------------------|--------------------|--|--------------------|---------------------|-----------------------|
| <b>SL No.</b>             | <b>Course Code</b> | <b>Course Title</b>                              | <b>Credit Hour</b> | <b>Contact Hour</b> | <b>Type of Course</b> |
| <b>1</b>                  | GED 0311<br>4101   | Socio-economic Aspects of<br>Development Project | 3.00               | 3.00                | T                     |
| <b>2</b>                  | GED 0411<br>4103   | Entrepreneurship and Business<br>Management      | 3.00               | 3.00                | T                     |
| <b>3</b>                  | CSE 0613<br>4102   | Engineering Computation<br>Sessional             | 1.00               | 3.00                | S                     |
| <b>4</b>                  | CE 0732<br>4001    | Project Planning and<br>Construction Management  | 3.00               | 3.00                | T                     |

|                |                 |  |              |              |                   |
|----------------|-----------------|--|--------------|--------------|-------------------|
| <b>5</b>       | CE 0732<br>4101 | Design of Steel Structures                 | 3.00         | 3.00         | T                 |
| <b>6</b>       | CE 0732<br>4102 | Steel Structures Design<br>Sessional       | 1.00         | 3.00         | S                 |
| <b>7</b>       | CE 0732<br>4104 | Concrete Structures Design<br>Sessional II | 1.00         | 3.00         | S                 |
| <b>8</b>       | CE 0732<br>4501 | Open Channel Flow                          | 3.00         | 3.00         | T                 |
| <b>9</b>       | CE 0732<br>4502 | Open Channel Flow Sessional                | 1.00         | 3.00         | S                 |
| <b>10</b>      | CE 0732<br>4000 | Project & Thesis                           | 1.50*        | 3.00         | S                 |
| <b>11</b>      | CE 0732<br>4004 | Final Year Design Project                  | 1.50*        | 3.00         | S                 |
| <b>Total =</b> |                 |  | <b>19.00</b> | <b>33.00</b> | <b>T= 5, S= 6</b> |

\* Credit to be transferred to Year-4/Semester-2

| <b>Year-4, Semester-2</b> |                    |   |                    |                     |                       |
|---------------------------|--------------------|---|--------------------|---------------------|-----------------------|
| <b>SL No.</b>             | <b>Course Code</b> | <b>Course Title</b>                                   | <b>Credit Hour</b> | <b>Contact Hour</b> | <b>Type of Course</b> |
| <b>1</b>                  | CE 0732<br>4002    | Professional Practices and<br>Communication Sessional | 1.00               | 3.00                | S                     |
| <b>2</b>                  | CE 0732<br>4003    | Professional Ethics                                   | 3.00               | 3.00                | T                     |
| <b>3</b>                  | CE 0732<br>4503    | Irrigation and Flood Control                          | 3.00               | 3.00                | T                     |
| <b>4</b>                  | CE 0732<br>4000    | Project & Thesis                                      | 3.00               | 6.00                | S                     |

|                |                 |                           |              |              |                   |
|----------------|-----------------|---------------------------|--------------|--------------|-------------------|
| <b>5</b>       | CE 0732<br>4004 | Final Year Design Project | 3.00         | 6.00         | S                 |
| <b>6</b>       | Major           | Technical Elective-1      | 3.00         | 3.00         | T                 |
| <b>7</b>       | Major           | Technical Elective-2      | 3.00         | 3.00         | T                 |
| <b>8</b>       | Major           | Technical Elective-3      | 1.00         | 3.00         | S                 |
| <b>9</b>       | Minor           | Technical Elective-4      | 3.00         | 3.00         | T                 |
| <b>10</b>      | Minor           | Technical Elective-5      | 1.00         | 3.00         | S                 |
| <b>Total =</b> |                 |                           | <b>24.00</b> | <b>36.00</b> | <b>T= 5, S= 5</b> |

\*1.5 credits transferred from Year-4/Semester-1