

**Guideline for preparing standard curriculum**  
**of**  
**Four Years Textile Engineering**

### Guidelines for standard syllabus for Textile Engineering

The duration of Bachelor Degree program shall be of 04 (four) academic years and 08 (eight) Semester. The four academic years of study for the degree of B.Sc. in Textile Engineering shall be designated as level-1, level-2, level-3 and level-4. Each academic year comprises two Terms i.e. Term I and Term II.

#### **1.1 Duration of Semesters**

The duration of each of Semester-I and Semester-II will be as follows:

##### **Term-I**

Classes : 15 weeks

Recess before Semester final Examination : 02 weeks

Semester final & mid-term examination : 03 weeks

: 20 weeks

Inter semester Break : 01 weeks

##### **Term-II**

Classes : 15 weeks

Recess before Semester final Examination : 02 weeks

Semester final & mid-term examination : 03 weeks

: 20 weeks

Holidays, Vacations and Results Publication : 11 weeks

**Total : 52 Weeks**

#### **1.2 Definition of courses:**

Syllabus of different Department shall consist of several courses. Following structure shall be followed to articulate the courses.

1.2.1. This program shall be Bi-Semester and there shall be five types of course as follows:

(i) **Theoretical Courses:** Includes class-teaching, open discussion, academic tasks etc.

(ii) **Practical/Seasonal Courses:** Includes laboratory experiment/field work etc.

(iii) **Industrial Attachment:** The students must undergo 2 (two) months' intensive industrial training program in the relevant area of specialization after completion of level-4 Term II. This work will be supervised by one Teacher of the Department and one from the industry/organization.

(iv) **Project and Thesis:** During the level-IV of study each student will be required to complete a Project and Thesis in the relevant field of their specialization. For such a work the students will be guided by one teacher of the concerned Department.

(v) **Comprehensive Viva:** The Comprehensive Viva will cover the syllabus of each Year course of study as per course structure. No specific class hour will be assigned for the Comprehensive Viva. Credits for comprehensive viva will be 3 credits.

(vi) Total No. of credits shall be 160-170. (No fractional credits)

- Inter-Disciplinary Engineering Courses include ICT/Computer- 6-9 credits

- Textile engineering courses – 55-60 credits

- Optional core courses- 6 credits

- Technical Elective Courses- 20-22 credits

- Research Methodology- 3 credits.

### **Laboratory Requirement**

- Physics, Chemistry, Computer
- Engineering workshop, Yarn Mfg, Fabric Mfg,
- Engineering Drg, wet process Engg, Apparel Mfg,
- Electrical & Electronics
- A detailed lab development plan for the required labs must be submitted to UGC at the time of seeking approval for the program.
- At least 1000 books (including Textiles) with at least 3 Journal memberships (TI, SDC, TRJ) should be placed in the library.

- 1.2.3. Academic tasks i.e. theory 65-70% of the total credit
- 1.2.4. Laboratory experiment or practical 30%-35% of the total credit
- 1.2.5. Total credit of each year shall be 20-22 credits per Semester in Bi-Semester.

### **1.3. 2 compulsory courses**

- 1.3.1. Bangladesh studies, Emergence of Bangladesh-2 credits
- 1.3.2. Functional Bangla-2 credits

### **1.4. Basic sciences (Theory-Lab)-25-30 credits of total credits**

### **1.5. Social Science & Humanities.**

- Language Courses- Maximum 2 Courses
- Bangla + English- 6 credits.
- Interdisciplinary Engineering

1<sup>st</sup> Semester – 3 (Business communication)

2<sup>nd</sup> Semester – × 3

3<sup>rd</sup> Semester – × 3

4<sup>th</sup> Semester – 3+3 (Industrial Management, Economics)

5<sup>th</sup> Semester – Accounting & Management = 3

7<sup>th</sup> Semester – Sociology =3

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Total = 16-20 credits

### **Definition of credits:**

- There will be bi-semesters system. Where classes will be held for 15 weeks.
- 1 credit of Theory courses will have a 12-15 hrs of actual lecture time.
- 1 credit of lab course will have a 24-30 hrs of actual lecture time
- All labs should have at least 800-1000 sq feet area.
- Equipments, Instruments, Chemicals should be provided for at least 10-12 experiments.
- Book lists should be provided to the UGC at the time of approval for the programme.

**Infrastructure Facilities:**

Lecture class

Labs

Teacher's workstation

Workshops/seminar room

- A class period for theory courses will have a minimum duration of 50 minutes.
- The duration of lab class will be minimum 2 hours

**❖ NUMERICAL GRADE /LETTER GRADE /GRADE POINT:**

- The following Grading system will be followed: (Ref: Uniform Grading introduced by UGC on and from 13.06.2006):

NUMERICAL GRADE	LETTER GRADE		GRADE POINT
80% or above	A+	(A plus)	4.00
75% to less than 80 %	A	(A)	3.75
70% to less than 75%	A -	(A minus)	3.50
65% to less than 70%	B+	(B plus)	3.25
60% to less than 65%	B	(B)	3.00
55% to less than 60%	B -	(B minus)	2.75
50% to less than 55%	C+	(C plus)	2.50
45% to less than 50 %	C	(C)	2.25
40% to less than 45 %	D	(D)	2.00
Less than 40%	F	(F)	0.00

- I can be used in case of Incomplete, and W, for withdrawn courses.

  
19/12/16