

## Course modules

### B. Sc (Hon's) in Knitwear Manufacture & Technology - KMT

#### Course Structure:

- **Total Credits** : 160 + Internship
- **Duration:** Four –Years 8 Semesters each Semester of six months.
- **Eligibility Criteria** HSC or Equivalent in any Group (Minimum GPA:2.50)
- **Passing Grade** : Minimum passing grade for KMT degree will be CGPA of **2.50** in a scale of 4.00.

#### First Year, 1<sup>st</sup> semester

| Code    | Course Title                                    | Credit    | Remarks |
|---------|---|-----------|---------|
| KMT 101 | Introduction to Knitwear Business in Bangladesh | 3         |         |
| KMT 102 | Introduction of Textile Fiber                   | 3         |         |
| AS 101  | Basic Science: Physics                          | 3         |         |
| AS 102  | Basic Science: Chemistry                        | 3         |         |
| KMT 103 | Elements of Design                              | 3         |         |
| AS 103  | English Foundation Course: Part-I               | 3         |         |
| KMT 104 | Textile and Garment Factory visit: Knit based   | 1         |         |
|         |   | <b>19</b> |         |

#### First Year, 2<sup>nd</sup> Semester:

| Code    | Course Title                    | Credit | Remarks |
|---------|---------------------------------|--------|---------|
| KMT 105 | Knit Yarn Production            | 3      |         |
| KMT 106 | Knit Yarn Production-Lab        | 1      |         |
| KMT 107 | Knitting Technology             | 3      |         |
| KMT 108 | Knitting Machine and Attachment | 3      |         |

|         |                                    |           |  |
|---------|------------------------------------|-----------|--|
| AS 104  | English Foundation Course: Part-II | 3         |  |
| AS 105  | Basic Science: Mathematics         | 3         |  |
| BUS 101 | Introduction to Economics          | 3         |  |
|         |                                    | <b>19</b> |  |

### **Second Year, 1<sup>st</sup> Semester:**

| <b>Code</b> | <b>Course Title</b>               | <b>Credit</b> | <b>Remarks</b> |
|-------------|-----------------------------------|---------------|----------------|
| KMT 209     | Knit Fabric Study                 | 3             |                |
| KMT 210     | Clothing Materials and Techniques | 3             |                |
| KMT 211     | Bodice and Variations-Knit based  | 3             |                |
| KMT 212     | Cutting Room Technology           | 3             |                |
| AS 206      | Fundamentals of Computer Science  | 3             |                |
| AS 207      | Research Method and Statistics    | 3             |                |
| BUS 202     | Principles of Marketing           | 3             |                |
|             |                                   | <b>21</b>     |                |

### **Second Year, 2<sup>nd</sup> Semester:**

| <b>Code</b> | <b>Course Title</b>                            | <b>Credit</b> | <b>Remarks</b> |
|-------------|--|---------------|----------------|
| KMT 213     | Knit Dyeing Technology                         | 3             |                |
| KMT 214     | Knit Dyeing Technology-Lab                     | 1             |                |
| KMT 215     | Knit Printing and Finishing Technology         | 3             |                |
| KMT 216     | Knit Printing and Finishing Technology-Lab     | 1             |                |
| KMT 217     | Apparel Production System Analysis: Knit based | 3             |                |
| KMT 218     | Pattern Grading                                | 3             |                |

|         |                           |           |  |
|---------|---------------------------|-----------|--|
| KMT 219 | Sewing Technology         |           |  |
| BUS 203 | Human Resource Management | 3         |  |
|         |                           | <b>17</b> |  |

### Third Year, 1<sup>st</sup> Semester:

| Code    | Course Title                       | Credit    | Remarks |
|---------|------------------------------------|-----------|---------|
| KMT 320 | Basic Knitwear Production          | 3         |         |
| KMT 321 | Knitwear Ornamentation             | 3         |         |
| KMT 322 | Variations of Bottoms and Dresses  | 3         |         |
| KMT 323 | Sewing Construction and Techniques | 3         |         |
| KMT 324 | Apparel Engineering: Knit based    | 3         |         |
| AS 308  | Bangladesh Studies                 | 3         |         |
| BUS 304 | Production Planning                | 2         |         |
|         |                                    | <b>20</b> |         |

### Third Year, 2<sup>nd</sup> Semester:

| Code    | Course Title                              | Credits   | Remarks |
|---------|---|-----------|---------|
| KMT 325 | Testing of Knit Textiles                  | 3         |         |
| KMT 326 | CAD in Knitwear                           | 2         |         |
| BUS 305 | Store Room Management                     | 3         |         |
| BUS 306 | Consumption and Costing of Knitwear       | 2         |         |
| BUS 307 | Computer for Managers (E-Biz)             | 3         |         |
| KMT 327 | Sewing Machine Engineering and Attachment | 3         |         |
| BUS 308 | Consumer Behavior                         | 3         |         |
|         |   | <b>19</b> |         |

**Fourth Year, 1<sup>st</sup> Semester:**

| Code    | Course Title                          | Credit    | Remarks |
|---------|---------------------------------------|-----------|---------|
| BUS 409 | Quality Control Management            | 3         |         |
| KMT 428 | Product Development                   | 3         |         |
| KMT 429 | Cut and Sew of Knitwear               | 3         |         |
| BUS 410 | Tools and Techniques of Merchandisers | 2         |         |
| BUS 411 | ISO and Compliances                   | 3         |         |
| BUS 412 | Production and Operation Management   | 2         |         |
| KMT 430 | Fully Fashioned Knitwear Manufacture  | 2         |         |
|         |                                       | <b>18</b> |         |

**Fourth Year, 2<sup>nd</sup> Semester:**

| Code    | Course Title  | Credit    | Remarks |
|---------|---|-----------|---------|
| KMT 431 | Environment and Pollution Control   | 2         |         |
| BUS 413 | Principle and Practice of Export Import Business                              | 3         |         |
| BUS 414 | Fashion & Textile Brand Management  | 2         |         |
| BUS 415 | Advance Quality Control Management  | 3         |         |
| KMT 432 | Finishing Room: Wash and Care label   | 3         |         |
| KMT 433 | Problem and Prospect of the RMG (Knit based) related Industries in Bangladesh | 2         |         |
| KMT 434 | Internship  | 3         |         |
|         |   | <b>18</b> |         |

**Elective Subjects (any three):**

| Code | Course Title | Credit | Remarks |
|------|--------------|--------|---------|
|------|--------------|--------|---------|

|        |  |   |  |
|--------|--|---|--|
| EL 001 | E-Merchandising                                | 3 |  |
| EL 002 | Industrial Apparel Washing                     | 3 |  |
| EL 003 | Principle of Accounting                        | 3 |  |
| EL 004 | International Merchandising Strategies         | 2 |  |
| EL 005 | Principle of Management                        | 3 |  |
| EL 006 | International Trade and Commercial Transaction | 3 |  |
| EL 007 | Color and Fabric Study                         | 3 |  |