

# National University (NU)

## Syllabus for

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

#### Course Structure:

Total Credits = 151

#### 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:

Code	Course Title	Credit	Remarks
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:

Code	Course Title	Credit	Remarks
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	

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### 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:**

<b>Code</b>	<b>Course Title</b>	<b>Credit</b>	<b>Remarks</b>
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>	