

Knitting Technology - Web course

COURSE OUTLINE

Basic principles of knitting; Basic weft and warp knitted constructions; Primary and secondary knitting elements; Sequence of loop formation on warp and weft knitting machines.

Relation between knitting machines and yarn quality, Features and Productivity of different types of machines; Geometry of loops; Control of loop length, fabric weight and dimensions; Structure property relations of knitted fabrics.

COURSE DETAIL

S.No	Topics	No. of Lectures
1.0	Introduction and basic concepts	2
2.0	The basic weft knit constructions	4
3.0	Systems and loop formation sequence of weft knitting machines	6
4.0	Guidelines on control of weft knitting process	4
5.0	Relation between geometry and properties of weft knitted loop	4
6.0	Warp knitting machines	4
7.0	The basic warp knit constructions	4
8.0	Systems and loop formation sequence of warp knitting machines	6
9.0	Some Important warp knit structures	6

References:

1. Knitting Technology : D Spencer; Published by Pergammon Press.
2. Warp knitting production : S Raz; Published by Melliand Textilberichte.
3. Flat Knitting : S Raz; Published by Melliand Textilberichte.
4. Circular knitting : Iyer, Mammel and Schach; Published by Meissenbach GmbH.

NPTEL

<http://nptel.iitm.ac.in>

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