**ADVANCED TEXTILE**

**Maj/H.Eco-TC-301**

**Checklist of Course Content**

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| **Course Content** | **Sources of Course Material** |
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| 1. Fiber identification using technical methods: Microscopic and Chemical | <https://www.slideshare.net/FuadAhmed15/textile-fiber-identification-71991080?qid=a7c833bb-106a-4eca-b67a-0958b1d95bed&v=&b=&from_search=2>  Textile Fibers, Dyes, Finishes and Processes: Chapter 2.1 |
| 1. Production and performance characteristics of fibres both natural and manmade. | Book: Textile Handbook. Chapter 1  Book: Textile fibers dyes finishes processes: Chapter 3,5,6,7  <https://www.slideshare.net/AfsahAsim/properties-and-uses-of-textile-fiber-61330329?qid=3779947e-e36c-4d64-a4aa-f4d812add872&v=&b=&from_search=12>  <https://www.slideshare.net/assakunipaba/silk-manufacturing-process?qid=9bdb484c-6359-47b9-9219-b3d2f89261de&v=&b=&from_search=3>  <https://www.youtube.com/watch?v=QHgNoSYlhYs>  <http://www.madehow.com/Volume-1/Wool.html>  <http://www.madehow.com/Volume-2/Polyester.html> |
| 1. Yarn classification and manufacturing: Production of yarn; S and Z Twist; in relation to the appearance of the fabric; Blend varieties; Effect or varying blend components in fabrics available in the market; Novelty yarn: | Book: Textile Handbook. Chapter 1  <https://www.slideshare.net/MDABDULQUIYUM/chemical-spinning>  <https://textechdip.wordpress.com/contents/yarn-spinning/>  <https://www.slideshare.net/vaibhavmathankar/classification-of-yarn-yarn-classification?qid=fc63c659-da1f-46a9-9cbe-36ff512b693c&v=&b=&from_search=1>  <https://www.textileschool.com/265/blended-fabrics-textile-composites/>  <http://texpedia.org/blog/2016/06/29/types-of-novelty-yarn-in-textile-spinning-classification-of-novelty-yarn/>  https://www.slideshare.net/ShohanAhmed6/presentation-of-yarn-twist |
| 1. Fabrics construction: Fabrics made without films and paper fabrics etc. Fabrics made from fibre felts; bounded fabrics, etc; Fabrics make from yarn: Braiding, netting, lacing, knitting and weaving. | Book: Textile fibers dyes finishes processes: Chapter 15  <https://www.slideshare.net/pratik33/non-woven-60950672>  Weaving: Downloads  <https://www.slideshare.net/nisthachandela/knitting-86911015> |
| 1. Fabrics Designing: Processes by which color and design are applied to fabric; | Pdf: Analyzing color, design and texture of fabric  Pdf: Adding color to fabric |
| 1. Fabric finishes in relation to appearance and end use. Pressing, shirking, Napping, water proofing embossing, flame resistance, crease resistance. | Book: Textile fibers dyes finishes processes: Chapter 18  Pdf: Finishes  <https://www.slideshare.net/msaquib_007/finishing-21834165> |
| PRACTICAL   1. Fiber Analysis File | <https://www.slideshare.net/FuadAhmed15/textile-fiber-identification-71991080?qid=a7c833bb-106a-4eca-b67a-0958b1d95bed&v=&b=&from_search=2> |
| 1. One project based on theory | <https://www.youtube.com/watch?v=T8Q3vrLXjn4>  <https://www.youtube.com/watch?v=aBbcEUSv4a8>  https://www.youtube.com/watch?v=5\_Zzu89\_JDI |