**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 1Book: 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 fabricPdf: 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 18Pdf: Finishes<https://www.slideshare.net/msaquib_007/finishing-21834165> |
| PRACTICAL1. 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 |