

(Textile Engineering Department)

Undergraduate

Course Title: Fiber Physics Lab

Prerequisite: Fiber Physics

Number of Credits: 1

Lecturer: Dr. Seyed Mohammad Hoseini Varkiani

Course Topics:

- **Introducing of fibre physics lab (Instructions and Rules**
 - **Sliver, roving and yarn count measurement**
 - **Twist Measurement of two ply yarn**
 - **Twist Measurement of single ply yarn**
 - **individual fibre length measurement**
 - **Synthetic fibres fineness measurement**
 - **Wool fibres fineness measurement**
 - **Cotton fibres fineness measurement**
 - **Cotton fibres maturity ratio measurement**
 - **Fibre Moisture measurement**
 - **wool fibres length measurement**
 - **Weight Of Fabric**
 - **Pilling**
 - **Yarn strength measurement by CRE(Constant Rate of Extension) method**
 - **Yarn strength measurement by CRL (Constant Rate of Loading) method**
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Reading Resources:

- principles and theories of: physical testing of fibers, yarns and fabrics