

Undergraduate

Course Title: **Principles and Mechanism of Spinning**

Prerequisite: Spinning Process

Number of Credits: 3

Lecturer:

Course Topics:

- **Introduction- Yarn Production systems, A brief account of the methods of spinning systems and their processes from fibres (wool and man-made fibres) to yarn Review of wool fibres characteristics (as main fibres), Wool classifications Worsted spinning system, a brief account of the history, development and organization of the worsted industry. Raw materials for the worsted industry, worsted processing, wool fibre preparation for spinning Worsted carding, aims of worsted carding, fee**
- **Worsted carding, aims of worsted carding, feeding carding, preliminary opening of fibres, burr removal, carding action, carding unit and its components Worsted carding, drafting head, production rate of worsted cards, increasing of card width, backwashing Worsted drawing process, aims of worsted drawing (gilling), fibre control devices, different types of gill boxes, open gill boxes, screw intersector and chain intersector Worsted drawing process, rotary gill boxes, caterpillar head drafter,**

Reading Resources:

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