

CORE COURSE XIV – QUALITY CONTROL IN APPAREL INDUSTRY

Unit I

Introduction to Quality- Importance of quality, managing quality through inspection, managing quality through testing. Seven tools of quality control. Current concept in quality Management.

Standard- Introduction, Benefits of Standards, level of standards, sources of standards, ISO 9000 series standards.

Unit II

Inspection Techniques -Raw material Inspection, In-process inspection, final inspection. How much to inspect. Fabric defects. Selection of Inspectors.

Unit III

Textile Testing and Production Evaluation -Precision and Accuracy of test methods. Atmospheric conditions for Testing, Strength properties of apparel, fabric stretch properties. Dimensional changes in apparel due to laundering, dry cleaning, steaming and pressing. Durable press evaluation of fabrics and apparel. Needle cutting and Yarn severance. Sewability of fabrics.

Unit IV

Textile Testing and Production Evaluation -Bow and Skewness, Fabric distortion, Fabric streak, soil / stain releasing tests. Testing of bonded and laminated apparel fabric, testing of fusible interlining. Yarn strength and Elongation, Sewing thread testing, wear testing. Flammability of clothing, Textile Flammability Testing Methods, Factors affecting fabric flammability.

Unit V

Shade sorting and care labeling -Introduction to shade sorting. Fundamental of color and color measuring. Instrumental shade sorting. General Information in care labeling. American care labeling system. International care labeling system. British care labeling system. Canadian care labeling system. Japanese care labeling system.

Reference:

1. Managing quality control in apparel Industry by P.V.Mehta and S.K. Bharadwaj., ASQC Quality Press, New York.
2. An Introduction to quality control for the apparel industry by P.V.Mehta, ASQC Quality Press, New York.