



Department of
Textile & Clothing Technology
University of Moratuwa
Sri Lanka

The Department of Textile & Clothing Technology of the University of Moratuwa conducts part time Extension Courses to the industry, in addition to full time courses leading to a degree. Since 1991 a series of extension courses have been conducted to update & upgrade skills for those employed in the garment industry. These courses are updated to suit the needs of the industry. The Department also conducts specially designed short courses on a variety of topics on request.

Extension Course Coordinator
Department of Textile & Clothing Technology
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The extension courses conducted by this Department and the course contents are as follows.
***All courses are conducted in English.**

Extension Courses
to the Garment Industry

Textile Technology for the Garment Industry

Course duration 36 hours
[Sundays]

Course fee: Rs. 20000.00



Course outline:

- Introduction to Fibres & Yarns
- Weaving Technology
- Knitting Technology
- Woven Fabric Analysis
- Colouration & Finishing Technology
- Introduction to Textile Testing

(Practical demonstrations in all the above subjects will be conducted in the respective laboratories).

Requirements

GCE (O/L) + 1 year industry experience

Work Study

Course duration 36 hours
[Sundays]

Course fee: Rs. 15000.00



Course outline:

- Method Study Techniques & applications (5S, Ergonomics, Motion economy, Work place engineering etc.)
- Efficiencies, Performances & Capacities
- Productivity Improvement & Measurement
- Work Study as a service to the management
- Work Measurement Techniques
 - + Time Study
 - + Activity Sampling
 - + Predetermined Motion Time Systems(PMTS) - General Sewing Data (GSD) and Method Time Measurement (MTM) System

Requirements

GCE (O/L) + 1 year industry experience

Fabric Sourcing and CAD patterns for the Apparel Industry

Course duration 36 hours
[Sundays]

Course fee: Rs. 20000.00



Course outline:

- Introduction to fabric sourcing
- Mechanics of fabric sourcing
- Identifying customer requirements
- Pricing, lead time and trade rules
- Selection of fibers and yarns
- Structures, development and end uses of Knitted, Woven and Non Woven fabrics
- Colouration and finishing
- Fabric & Garment testing
- Risk assessment of raw materials
- Ecological issues
- Adaptation of raw materials for end uses
- Sustainability of supply chain
- Fabric consumption using CAD systems (Gerber, Lectra and Tukatech)

Requirements

GCE (O/L) + 1 year industry experience

Production Organisation & Management

Course duration - 36 hours
[Sundays]

Course fee: Rs. 15000.00



Course outline:

- The tools for Planning
- Work Measurement
- Garment Breakdown
- Motivation, Decision Making & Job Design
- Quality Control
- Scheduling in the Cutting Room
- Cut order plans
- Sewing Room Systems
- Technology of Garment Manufacturing
- Garment Costing & Cost Control
- Sewing Room Design
- Line Balancing
- Productivity & improvement

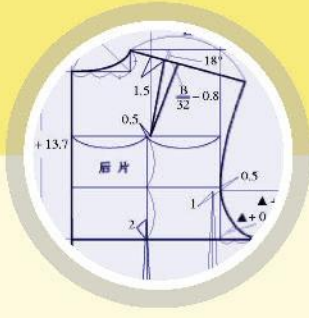
Requirements

GCE (O/L) + 1 year industry experience [Preferable in Apparel Trade]

Pattern Designing for Apparel (with CAD)

Course duration - 36 hours
[Sundays]

Course fee: Rs. 23000.00



Course outline:

- Study body measurements
- Basic skirt draft and skirt styling
- Develop patterns for Bodice using "Draping method"
- Practice dart manipulation
- Bodice styling and their construction
- Sleeve styling
- Necklines and collar types
- Trouser pattern development for industry size specifications
- Develop patterns for dresses using templates
- Produce computerized markers
- Computerized pattern grading

Requirements

Supervisory grade and above already employed in the Textile and Apparel Industry

Quality Management for Apparel Manufacture

Course duration - 36 hours
[Sundays]

Course fee: Rs. 18000.00



Course outline:

- Introduction to Quality Management, Economics of Quality
- Quality assurance of raw materials
- Quality assurance in manufacturing
- Quality control tools and analysis (Basic tools and Advanced tools)
- Quality Management System audits
- Standards
- Total Quality Management, Lean manufacturing
- Case Studies on problem solving

Requirements

- Require an overall knowledge on quality management
- Need to develop analysis and problem solving skills in manufacturing processes
- Participants from supervisory grade and above are preferred.

Merchandising

Course duration
36 hours [Sundays]

Course fee: Rs. 20000.00



Course outline:

- Introduction to Merchandising
- Co-ordination & Approval
- Garment Costing & Pricing Decisions
- Colouration & Finishing
- Garment Washing
- Teamwork & Motivation
- Buying Cycle
- Order Placement & Follow Up
- Relevance of Testing to Textile & Apparel Industry
- Manufacturing Specifications & Quality Auditing
- Process Planning & Control in Merchandising
- Linking Products Quality & Customers
- Feedback, Planning Action
- Production Planning & Control
- IT applications in Merchandising
- Yarn & Fabric for Merchandisers

Requirements

GCE (O/L) and at least one year experience in Merchandising or Successful completion of the Textile Technology for the Garment Industry Course conducted by Department of Textile & Clothing Technology.