

Liverpool John Moores University

Title: Manufacturing Technology
Status: Definitive
Code: **4504DFT** (119314)
Version Start Date: 01-08-2012

Owning School/Faculty: Liverpool School of Art & Design
Teaching School/Faculty: Liverpool Community College

Team	Leader
Stuart Borthwick	Y

Academic Level: FHEQ4 **Credit Value:** 24.00 **Total Delivered Hours:** 105.00

Total Learning Hours: 240 **Private Study:** 135

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	4.000
Practical	83.000
Tutorial	8.000
Workshop	10.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Reflection	AS1	Reflective journal of assembly process of using a diverse range of construction techniques and fabric types.	40.0	
Artefacts	AS2	2 or 3 piece outfit, relevant experimentation, samples and quality specification sheets to support garments with evaluation .	60.0	

Aims

To acquaint students, via skill set workshops inductions with appropriate codes of health and safety to be observed in the studio, workshop.

To facilitate sound technical understanding of garment manufacturing techniques in relation to the selecting and testing of appropriate methods of manufacture and materials and production specifications in relation to Fashion design.

To engender students' abilities to analyse and synthesis appropriate processes for sampling 2d and 3d interpretation and to enhance the development of ideas through to final outcomes .

To nurture Independent student learning through reflective processes and self-critical analysis and evaluation.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate the handling and joining techniques for various construction techniques and fabric types.
- 2 Create basic quality specification sheets and simple cost statement by identifying the link between cost and profit.
- 3 Creatively develop 3 dimensional garments through to a selected solution, with analysis of the process.
- 4 Use appropriate machinery for assembly methods with a level of skill to create sample pieces
- 5 Apply knowledge of the practical skills required for the translation of developed designs into production of 3 dimensional garments.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Reflective Journal	1	4	
2 or 3 piece outfit	2	3	5

Outline Syllabus

This module is tailored to provide appropriate manufacturing skills to enable students to produce garments with practical knowledge and understanding of its position within the design and production process. The module will have cumulative activities to introduce and build upon technical skills related to manufacturing. The work produced in this module will provide sound technical understanding of garment construction techniques with consideration given to fabric types and appropriate joining techniques, forming a skills base of knowledge that, through experimental and analytical approach will support students to the realisation of design ideas generated in parallel modules.

Learning Activities

These are tailored to provide appropriate skills to enable students to produce garments with practical knowledge and understanding of its position within the design and production process.

Coursework will be assessed by the completion of a variety of sample processes to test styling details and techniques of manufacture methods related to 3d garments with production specifications.

Students will attend workshop sessions, listen to lectures and demonstrations and work with a combination of supervised study and independent learning through practical application, experimentation and analysis.

On - going informal feedback will be given in practical sessions.

References

Course Material	Book
Author	Cooklin, G.
Publishing Year	2002
Title	Introduction to Clothing Manufacture
Subtitle	
Edition	
Publisher	USA: Blackwell Science
ISBN	

Course Material	Book
Author	Daniels, P.N. & Denton, M.J. eds
Publishing Year	2002
Title	Textile Terms and Definitions
Subtitle	
Edition	11th editions
Publisher	Woodhead Publishing Ltd
ISBN	

Course Material	Book
Author	Eberle, H. et al
Publishing Year	1999
Title	Clothing Technology...From fibre to fashion
Subtitle	
Edition	2nd ed
Publisher	Europa-Lehrmittel
ISBN	

Course Material	Book
Author	Gale, C. & Kaur, J.
Publishing Year	2004
Title	Fashion and Textiles
Subtitle	An Overview
Edition	

Publisher	Berg, New York
ISBN	

Course Material	Website
Author	
Publishing Year	
Title	R.M. Laing, J. Webster Stitches & Seams, Textile Institute.
Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Journal / Article
Author	
Publishing Year	
Title	Apparel International, Drapers, International Textiles, Manufacturing Clothier, Textile View
Subtitle	
Edition	
Publisher	
ISBN	

Notes

The programme will equip students with the essential knowledge base and skills for entry into the fashion industry through garment manufacture technology. It will also enable students to develop their own personal skills. It will support students to the realisation 3 d garments from design ideas and patterns generated in parallel modules.