



UNIVERSITI TEKNOLOGI MARA

FES204: PATTERN CONSTRUCTION AND MANIPULATION

Course Name (English)	PATTERN CONSTRUCTION AND MANIPULATION APPROVED
Course Code	FES204
MQF Credit	3
Course Description	This subject provides the student with knowledge of the standard industrial techniques used in the construction of garments. Students will learn the manipulation methods using basic bodice blocks to produce various design lines. All the projects are produced base on a carefully progression of difficulty including manipulation techniques, fitting problems, complicated construction methods and fabric handling.
Transferable Skills	PLO 2 & PLO 4
Teaching Methodologies	Lectures, Demonstrations, Workshop
CLO	CLO1 Demonstrate pattern manipulation process from flat pattern to design style in 3D form CLO2 Show correct method and workflow of garment construction CLO3 Practise the process of pattern development, constructing and handling the fabric to produce garment
Pre-Requisite Courses	No course recommendations
Topics	
1. Garment making 1.1) 1. Basic pattern making (Terminology, Method) 1.2) 2. Dart (definition, term, position, function and fit, Blend and trueing) 1.3) trueing) 1.4) 3. Pattern Development (Specification, Detailing, Design 1.5) analyse)	
2. Pattern Manipulation 2.1) 1. Dart Manipulation 2.2) Dart Position, pattern making technique and Design line 2.3) 2. Added Fullness 2.4) Equal Fullness, One side Fullness and unequal Fullness 2.5) 3. Contouring 2.6) Contour Design, Surplice (or wrap Design), off-shoulder 2.7) 4. Making up toile	
3. Garment Construction 3.1) 1. Sleeve 3.2) Sleeve Terminology 3.3) Set-in Sleeve 3.4) Sleeve-bodice combination 3.5) (Making up sleeve toile) 3.6) 3.7) 2. Collar 3.8) Collar Terminology 3.9) Collar Types 3.10) Flat Collar 3.11) Stand Collar Shawl/Roll collar (collar with bodice) 3.12) Gents collar or Jacket Collar	

4. Speed Test (DRESS)

- 4.1) Casual Dress
- 4.2) Draft dress master pattern to final
- 4.3) lay out and cutting
- 4.4) sewing construction
- 4.5) fitting and finishing

Assessment Breakdown		%	
Continuous Assessment		100.00%	

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Students are required to produce a complete compilation of visual research of garment production	10%	CLO1
	Final Project	This required students to produce a prototype of simple casual dress, form pattern drafting (Master pattern) to finish product.	50%	CLO3
	Portfolio/Log Book	Students are required to produce basic sleeve and collar manipulation and do a prototype	20%	CLO2
	Portfolio/Log Book	Students are required to produce a sample garment using the correct manipulation technique	20%	CLO2

Reading List	Recommended Text	<ul style="list-style-type: none"> Winifred Aldrich 2015, <i>Metric Pattern Cutting for Women's Wear</i>, 6th Ed., Wiley-Blackwell [ISBN: 9781405175678]
	Reference Book Resources	<ul style="list-style-type: none"> Antonio Donnanno 2014, <i>Fashion Patternmaking Techniques: How to make Shirt, Trousers and Skirt</i>, Promopress Publishing [ISBN: 9788415967095] Helen Joseph Armstrong 2013, <i>Patternmaking for Fashion Design: Pearson New International Edition</i>, Pearson Education Limited [ISBN: 9781292037486] Sarah Veblen 2012, <i>The Complete Photo Guide to Perfect Fitting</i>, Creative Publishing int'l [ISBN: 978-158 92360] J. Francois- Campbell 2016, <i>Simple Tailoring and Alteration</i>, GMC Distribution [ISBN: 978 186108959] Sandra Betzina 2002, <i>Power Sewing Step-by-step</i>, Taunton [ISBN: 1561585726] Nora M. MacDonald 2009, <i>Principles of Flat Pattern Design 4th Edition</i>, Fairchild Books [ISBN: 9781563678516] Jayne Smith 2013, <i>Guide to Basic Garment Assembly for the Fashion Industry</i>, John Wiley & Sons [ISBN: 9781405198882]
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	