



UNIVERSITI TEKNOLOGI MARA

FES318: CAM: FASHION APPLICATION TECHNOLOGY

<b>Course Name (English)</b>	CAM: FASHION APPLICATION TECHNOLOGY <b>APPROVED</b>
<b>Course Code</b>	FES318
<b>MQF Credit</b>	3
<b>Course Description</b>	This course will expose students to Computer Aided Manufacturing (CAM) system in apparel industry standards. Students are guided using pattern making technology in the process of pattern production. Through the learning process, students are able to practice their skill by using Computer Aided Manufacturing (CAM) system in the apparel industry.
<b>Transferable Skills</b>	Pattern Making Technology
<b>Teaching Methodologies</b>	Lectures, Lab Work, Demonstrations, Computer Aided Learning, Problem-based Learning
<b>CLO</b>	CLO1 Interpret pattern development tools for pattern design system (PDS) in Computer Aided Manufacturing (CAM). CLO2 Able to display technical board presentation for apparel industry CLO3 Practice Computer Aided Manufacturing (CAM) skills in pattern making technology
<b>Pre-Requisite Courses</b>	No course recommendations
<b>Topics</b>	
<b>1. Introduction to CAD/CAM System</b> 1.1) CAD/CAM work station 1.2) System and function in apparel production	
<b>2. PATTERN DESIGN SYSTEM</b> 2.1) Pattern drafting 2.2) Pattern manipulation 2.3) Pattern digitizing	
<b>3. GRADING</b> 3.1) Measurement and size chart 3.2) Grading nest and graded pattern	
<b>4. MARKER LAY-OUT PLAN</b> 4.1) Auto and manual lay-out plan 4.2) Scale marker 4.3) Marker lay-out efficiency and fabric consumption	
<b>5. TECHNICAL BOARD</b> 5.1) One final design for technical board 5.2) Final design 5.3) Technical drawing 5.4) Color scheme 5.5) Fabric swatches	
<b>6. Documentation of Pattern Design System portfolio</b> 6.1) N/A	

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Individual Project	CAD/CAM PORTFOLIO DOCUMENTATION	10%	CLO3
	Individual Project	Lay-out Plan	10%	CLO1
	Individual Project	Pattern Drafting and Manipulation	20%	CLO1
	Individual Project	Pattern Grading	20%	CLO1
	Individual Project	Technical Board	20%	CLO2
	Individual Project	Pattern Digitizing	20%	CLO1

Reading List	Recommended Text	Winifred Aldrich 2015, <i>Metric Pattern Cutting for Women's Wear</i> , Six Edition. Ed., 13, John Wiley & Sons UK [ISBN: 1444335057]
	Reference Book Resources	<ul style="list-style-type: none"> <li>• Alison Beazley, Terry Bond 2003, <i>Computer-Aided Pattern Design and Product Development</i>, 1st Edition Ed., ALL, Wiley-Blackwell UK [ISBN: 9781405102834]</li> <li>• T. Karthik, P. Ganesan, D. Gopalakrishnan. 2017, <i>Apparel Manufacturing Technology</i>, 1 Ed., ALL, CRC PRESS LONDON NEW YORK [ISBN: 978149876375]</li> <li>• Rajkishore Nayak, Rajiv Padhye 2015, <i>Garment Manufacturing Technology</i>, 1 Ed., ALL, Woodhead Publishing UK [ISBN: 9781782422327]</li> <li>• Paula J. Myers-McDevitt 2010, <i>Apparel Production Management and the Technical Package</i>, 1ST Ed., ALL, Bloomsbury Academic LONDON NEW YORK [ISBN: 978156367869]</li> </ul>
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	