



## UNIVERSITI TEKNOLOGI MARA

### WTE305: FURNITURE MANUFACTURING WORKSHOP

<b>Course Name (English)</b>	FURNITURE MANUFACTURING WORKSHOP <b>APPROVED</b>
<b>Course Code</b>	WTE305
<b>MQF Credit</b>	2
<b>Course Description</b>	This course introduces students to the world of furniture making. They are exposed to the manufacturing of furniture by constructing a model individually or in group. The materials used, manufacturing and finishing are taken into considerations. It is also give the students exposure to the constraints in the furniture manufacturing.
<b>Transferable Skills</b>	Communication, Teamwork and Leadership
<b>Teaching Methodologies</b>	Discussion, Workshop, Small Group Sessions , Supervision
<b>CLO</b>	CLO1 Describe various processes involved in furniture manufacturing CLO2 Explain type of machines used for furniture manufacturing CLO3 Build furniture from various materials based on selected idea
<b>Pre-Requisite Courses</b>	No course recommendations
<b>Topics</b>	
<b>1. Design Proposal</b> 1.1) 1.1 Design sketch 1.2) 1.2 Technical drawing 1.3) 1.3 Design presentation	
<b>2. Raw Material</b> 2.1) 2.1 Selection and estimation of available material 2.2) 2.2 Preparation bill of material	
<b>3. Machining</b> 3.1) 3.1 Preparation of route sheet 3.2) 3.2 Machining the parts of product	
<b>4. Assembly</b> 4.1) 4.1 Preparation of fasteners / hardware 4.2) 4.2 Fabricating the parts of product	
<b>5. Finishing</b> 5.1) 5.1 Preparation of finish surfaces 5.2) 5.2 Surface coating	

Assessment Breakdown		%	
Continuous Assessment		100.00%	

  

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Discussion	Design proposal	10%	CLO1
	Final Project	Produce wood product	70%	CLO3
	Oral Test	Practical skill procedures	20%	CLO2

  

Reading List	Reference Book Resources
	<ul style="list-style-type: none"> <li>• Carlsen, S 2012, <i>Woodworking FAQ: the workshop champion</i>, Storey Publishing North Adams, MA</li> <li>• John Bullar 2008, <i>Furniture Making</i>, Fox Chapel Publishing Company Incorporated [ISBN: 1565233808]</li> <li>• Bailey, A 2003, <i>Woodworking techniques and projects</i>, Guild of Master Craftsman Pub. East Sussex</li> <li>• Korn, P 2003, <i>Woodworking basics: mastering the essentials of craftsmanship</i>, Taunton Press Newtown, CT</li> <li>• Walton, S. &amp; Walton, S. 2000, <i>Furniture makeovers: over 40 instant furniture transformations</i>, Lorenz Books</li> <li>• Norbury, B. 1999, <i>Furniture for the 21st century</i>, Stobart Davies Hertford</li> </ul>
<b>Article/Paper List</b>	This Course does not have any article/paper resources
<b>Other References</b>	This Course does not have any other resources