



UNIVERSITI TEKNOLOGI MARA

WTE260: FURNITURE PRODUCTION

Course Name (English)	FURNITURE PRODUCTION APPROVED
Course Code	WTE260
MQF Credit	3
Course Description	In this course, students will be introduced into the world of furniture industries development. It may assist them in designing and producing high quality of furniture and monitoring the quality control of the furniture.
Transferable Skills	Communication skills
Teaching Methodologies	Lectures, Discussion
CLO	CLO1 Classify the suitable furniture materials and properties on the selected types of furniture CLO2 Construct a mock-up of furniture based on selected concepts and designs. CLO3 Determine the theoretical knowledge on the principles of furniture design and manufacturing in the furniture industry in Malaysia.
Pre-Requisite Courses	No course recommendations
Topics	
1. Introduction: History and Development of Furniture Industries 1.1) 1.1 Present scenario 1.2) 1.2 World trend 1.3) 1.3 Market opportunities	
2. Furniture Materials and Properties 2.1) 2.1 Property requirements. 2.2) 2.2 Trend, properties, general process, application 2.3) 2.2.1. Solid wood. 2.4) 2.2.2. Wood composite. 2.5) 2.2.3. Other forest resources	
3. Furniture Fittings: Hardware and Adhesive 3.1) 3.1 Hardware for Furniture 3.2) 3.2 Adhesive 3.3) 3.3 Wood Jointing System	
4. Furniture Production Planning 4.1) 4.1 Bill of materials. 4.2) 4.2 Route sheet. 4.3) 4.3 Part list	
5. Furniture Design and Manufacturing 5.1) 5.1 Ergonomics and Anthropometrics 5.2) 5.2 Design process 5.3) 5.3 Technical Drawings, CAD 5.4) 5.4 Manufacturing Process	
6. Furniture Development and Quality Control 6.1) 6.1 Processing 6.2) 6.2 Assembly 6.3) 6.3 Packaging 6.4) 6.4 Production control 6.5) 6.5 Quality control inspection 6.6) 6.6 Furniture Performance Test	

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Mock-up	35%	CLO2
	Online Quiz	Online Quiz 1	10%	CLO3
	Online Quiz	Online Quiz 2	10%	CLO3
	Test	Online Test 1	20%	CLO1
	Test	Online Test 2	25%	CLO1

Reading List	Reference Book Resources
	<ul style="list-style-type: none"> • Aghayere, A. and Vigil, J. 2008, <i>Introduction: Wood Properties, Species and Grades in Structural Wood Design.</i>, John Wiley & Sons USA • Lorenzo F. Botannini 2011, <i>Wood: Types and Uses for Furniture Production</i>, USA

Article/Paper List
This Course does not have any article/paper resources

Other References
This Course does not have any other resources