



UNIVERSITI TEKNOLOGI MARA

IDE564: FURNITURE INDUSTRIAL PROJECT

Course Name (English)	FURNITURE INDUSTRIAL PROJECT APPROVED
Course Code	IDE564
MQF Credit	3
Course Description	This course allows student to practice decision making on an advanced project in related field considering all details aspect of design in a proper furniture approach. Students will have an open mind on production knowledge and detailed realistic design solutions in order to develop high quality furniture which will lead their ideas beyond their imagination and to improve their capabilities in the use of modern design tools. The final outcome will determined the student to present their overall project with confidence and able to deliver their ideas that will be supported by written submissions exploring the theoretical and strategic basis from which the concept flows.
Transferable Skills	Demonstrate the ability to dream, imagine and visualize
Teaching Methodologies	Lectures, Studio, Field Trip, Case Study, Tutorial, Presentation, Workshop
CLO	<p>CLO1 Practice and coordinate multiple current furniture design, manufacturing, technique and process then initiate new ideas for industry.</p> <p>CLO2 Generate idea, construct and enhance the existing furniture design in order to meet the industrial market demands</p> <p>CLO3 Decide and produce a new furniture design concept for new market segment</p>
Pre-Requisite Courses	No course recommendations
Topics	
1. Introduction: Brief on Research/Theme Guideline 1.1) research methodology	
2. Explanation on existing furniture/ Problem and Brainstorming Method 2.1) research aspect	
3. Analysis On Data Finding 3.1) • Pragmatic analysis 3.2) • Data finding 3.3) • Problem solution 3.4) • Recommendation	
4. Design concept 4.1) ideation	
5. Preparation for idea development /Ideation/idea concept 5.1) • Sketching 5.2) • Rendering technique	
6. Preparation for design development / Ideation/idea concept 6.1) • Sketching 6.2) • Rendering/ semantic sketching	
7. Preparation for design development/ Ideation / idea concept 7.1) • Sketches rendering or semantic	
8. Preparation for design development/ Ideation/idea concept /development 8.1) • Sketching 8.2) • Rendering or semantic in sketching	

9. Final Design / IdeaPresentation of final 2D / 3D development 9.1) • Final design (finalize mock-up) 9.2) • Submit of research report
10. Pre-Assessment /Approve design / material selection 10.1) Presentation on idea development
11. Selection Final GA/TD/ Technical Aspect 11.1) • Technical drawing
12. Workshop Observation 12.1) • Model Making
13. Workshop Observation 13.1) • Model Making
14. Workshop Observation / Preparation for FINAL ASSESSMENT 14.1) • Model Making

Assessment Breakdown	%
Continuous Assessment	40.00%
Final Assessment	60.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	• study on existing furniture • presentation on current manufacturing process and technique	10%	CLO1 , CLO2
	Assignment	• Analysis on existing furniture • Presentation on data finding through design method	10%	CLO1 , CLO2
	Assignment	Presentation on idea development	10%	CLO1 , CLO2 , CLO3
	Assignment	To understand and refine the idea based on critics session	10%	CLO1 , CLO2 , CLO3

Reading List	Recommended Text	• Lowson S. 2013, <i>Furniture Design: An Introduction to Developm</i> , Publishers, Leicester UK
	Reference Book Resources	<ul style="list-style-type: none"> • Thompson R 2011, <i>Product and Furniture design (manufacturing G</i>, Thames and Hudson • Thompson R 2009, <i>Manufacturing Process for Design Professional</i>, Thames & Hudson 181a High Holbon • Chand S 2007, <i>Workshop Technology (manufacturing process</i> • Lesko J. 2011, <i>Industrial Design: Material and Manufacturing</i>, Wiley 2 edition • Bennington R. R 2004, <i>Furniture Marketing from Product Development</i> , Fairchild Pubns; 2 edition • K. G. Swift & J. D. Booker 2013, <i>Manufacturing Process Selection Handbook: Fro</i>, Butterworth- Heinemann: 1 Edition
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	