



UNIVERSITI TEKNOLOGI MARA

IDE514: FURNITURE DESIGN

Course Name (English)	FURNITURE DESIGN APPROVED
Course Code	IDE514
MQF Credit	3
Course Description	This course will enable the student to learn the theory and analysis needed to underpin creative design work, plus gain an understanding of engineering and ergonomic requirements for successful furniture designs. This course will also develop students' appreciation of form and trend studies of furniture to be more innovative and creative. Professional standards are required at all stages of the design and development process and the expected outcomes would be of the industry standard.
Transferable Skills	Demonstrate the ability to apply designerly thinking and doing into practical processes
Teaching Methodologies	Lectures, Blended Learning, Studio, Demonstrations, Field Trip, Case Study, Problem Based Learning (PBL), Discussion, Presentation, Workshop, Project-based Learning
CLO	<p>CLO1 Gain the understanding of the concept design and initiate furniture design styles through form and trend studies</p> <p>CLO2 Compare, analyze and interpret issue regarding furniture planning, sustainability in developing new design concept.</p> <p>CLO3 Understand and manipulate current furniture form and trend studies and transform them into new concept</p>
Pre-Requisite Courses	No course recommendations
Topics	
1. Introduction to course outline and objective	
1.1) Brief on Research/Theme Guideline 1.2) Project theme and brief on Conceptual Design	
2. Explanation on Research Methodology	
2.1) •exploration on form to understand current trend of furniture design 2.2) •Research on existing trend of furniture design	
3. Analysis On Data Finding	
3.1) • Dialog/Brainstorming 3.2) • Semantic analysis 3.3) • Pragmatic analysis 3.4) • Syntactic analysis	
4. Presentation of Data Analysis and Data findings	
4.1) • Morphological chart 4.2) • Design concept	
5. Initial Idea/Sketches/	
5.1) • Sketching 5.2) • Study on form, shape and 5.3) • Research sketches 5.4) • Information sketches 5.5) • Layout sketches 5.6) • Quality of sketches 5.7) • Ideation	
6. Progress Assesment: Idea Development	
6.1) To understand and refine the idea based on critics session	

7. Sketches Presentation 7.1) • Development of idea 7.2) • Development of design 7.3) • Final design
8. Detailing, System, Jointing, Structure 8.1) Sketches on design development and 8.2) Presentation on final design include detailing
9. Progress Assesment:Final Design / Idea 9.1) • Final design (finalize mock-up)
10. Pre-Assessment : progress work 10.1) • Presentation of Progress Work 10.2) • Critic Session IV
11. Selection final GA/ TD 11.1) • Technical drawing
12. Selection final GA/ TD - Technical Aspect 12.1) • Prototype Making
13. Workshop Observation/Construction of model 13.1) • Prototype Making
14. Final Assessment 14.1) Overall presentation

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Assignment 1 – Research	10%	CLO1
	Assignment	Assignment 2 – Critic Session I	10%	CLO1
	Assignment	Assignment 3 – Critic Session II	10%	CLO2
	Assignment	Pre-assessment – Assignment 4 – Panel Presentation	20%	CLO3
	Assignment	Final assessment: evaluation on research and design portfolio, prototype and final presentation.	50%	CLO3

Reading List	Recommended Text	<ul style="list-style-type: none"> • Jim Postel 2007, <i>Furniture Design</i>, Ed., , John Wiley & Sons Inc [ISBN:] • Stuart Lawson 2013, <i>Furniture Design</i>, Laurence King Publishing [ISBN: 9781780671208]
	Reference Book Resources	<ul style="list-style-type: none"> • Eissen, Koss & Roselien Steur 2011, <i>Sketching the Basic</i>, Ed., , BISPublishers, Amsterdam, The Netherlands [ISBN:] • Thompson R 2009, <i>Manufacturing Process for Design Professional</i>, Ed., , Thames & Hudson 181a High Holbon [ISBN:] • McGrath S 2012, <i>Good Bones, Great Pieces: The Seven Essential</i>, Ed., , Stewart, Tabori & Chang [ISBN:] • Design Museum 2010, <i>How To Design a Chair</i>, Ed., , Conran Octopus [ISBN:] • Miller J 2012, <i>Miller's Mid Century Modern</i>, Ed., , Mitchell Beazley [ISBN:] • Jurgen Sembach K. 2002, <i>Furniture Design</i>, Ed., , [ISBN:] • Koomler S 2000, <i>Shaker Style: Form, Function, and Furniture</i>, Ed., , Running Press Book Publishers; First edition [ISBN:] • Frechmann Kolon GMBH, <i>Furniture Design Today</i> [ISBN: 9788499363301] • James Orrom, <i>Chair Anatomy</i> [ISBN: 9780500021750] • Mateo Kries 2019, <i>Atlas of Furniture Design</i> [ISBN: ? 3931936996]
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	