



UNIVERSITI TEKNOLOGI MARA

IDE660: DEGREE PROJECT II

Course Name (English)	DEGREE PROJECT II APPROVED
Course Code	IDE660
MQF Credit	7
Course Description	This course, being the final part of the two-semester long project, allows student to practice decision making on the production and commercialization of their design. This course will include, among others, areas such as manufacturing and its cost estimation, component assembly, cost reduction, supporting production and impact of DFM on student's overall design project. Aside from on-going progress review of student's design development, the course will feature weekly lectures and studio supervision on detail design development, production and commercialization issues to expose students to both the basics and current advances in the field. At the end of the course, student will exhibit their design and prototype of their Industrial Design selected field of product, transport and furniture.
Transferable Skills	Design divergence and idea generation skills Design and technical transformation skills Design manufacturing and production skills Low & high fidelity prototyping skills Design commercialisation knowledge and skills
Teaching Methodologies	Lectures, Studio, Problem Based Learning (PBL), Discussion, Presentation, Workshop, Supervision
CLO	CLO1 Demonstrate work integrity through completion of a design project with previously initiated research progress. CLO2 Defend synthesis and evaluation on specific design issue leading to a novel design solution. CLO3 Demonstrate perseverance and achievement in producing inclusive design which meets industrial expectations CLO4 Report on acquired theoretical knowledge and practical application towards new entrepreneurially innovative design ideas
Pre-Requisite Courses	No course recommendations
Topics	
1. DIVERGENCE-TRANSFORMATION (EXPLORE CONCEPTS) 1.1) N/A	
2. ANALYSIS- DESIGN SPECIFICATION 2.1) N/A	
3. . IDEA GENERATION- SKETCHES (THUMBNAIL) 3.1) N/A	
4. PROTOTYPING - LOW FIDELTY MODEL(SOFT MODEL) 4.1) N/A	
5. CONCEPT DESIGN, RENDERING AND VISUALS PRESENTATION 5.1) N/A	
6. IDEA DEVELOPMENT-SKECTHES (INFORMATIVE) 6.1) N/A	
7. PROTOTYPING - HIGH FIDELTY MODEL (BLOCK MODEL) 7.1) N/A	
8. TECHNICAL & DESIGN DEVELOPMENT (SYNTHESIS) 8.1) N/A	

9. TRANSFORMATION (EXPERIMENTATION) 9.1) N/A
10. DETAIL DESIGN- FABRICATION & PROTOTYPING 10.1) N/A
11. PRESENTATION AND EXHIBITION 11.1) N/A

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Progress 2	10%	CLO2
	Assignment	Progress 1	10%	CLO1
	Assignment	Progress 3	10%	CLO3
	Assignment	Progress 4	10%	CLO4
	Assignment	Final Assessment	60%	CLO4

Reading List	This Course does not have any book resources
Article/Paper List	This Course does not have any article/paper resources
Other References	This Course does not have any other resources