UNIVERSITI TEKNOLOGI MARA

ARK800: DESIGN THESIS I

Course Name (English)	DESIGN THESIS I APPROVED
Course Code	ARK800

MQF Credit	8

Course Description	The Design Thesis courses represent the culmination of each student's research in a design project structured in two consecutive semesters. In semester 3, Design Thesis I gives students the opportunity to pursue a design project of their choice on a chosen site, subjected to the approval of a vetting committee. Students are encouraged to attempt a real-life project based on actual needs. The project shall enable the students to develop their skills in architectural design to a professional level and be able to integrate the knowledge acquired from previous semesters. This course is a follow up from the Architectural Research course, ARK805 whereby each student would have the knowledge on how to develop a design thesis proposal from a synthesis of research and design inquiries. Through independent research, individual supervisions and panel review processes, students will analyse/appraise contextual issues, conduct precedent studies, develop their design thesis proposal, formulate the design brief and eventually produce a creative and responsive architectural design scheme.

Transferable Skills	1. Independent & Critical Thinker 2. Confident

Teaching Methodologies	Lectures, Studio, Seminar/Colloquium, Field Trip, Case Study, Tutorial, Problem Based Learning (PBL), Presentation, Directed Self-learning , Supervision

CLO		
	CLO1	Propose an Integrated schematic architectural solution for a medium complexity project as a response to various design parameters.
	CLO2	Compose the presentation and model making skills in design solution.
	CLO3	Practice effective interpersonal and communication skills in the design research.
	CLO4	Relate various aspects of design process until completion of preliminary design stage.
	CLO5	Formulate a preliminary design through the process of synthesizing of ideas derived from theories and contemporary issues.

Pre-Requisite Courses	No course recommendations

Topics
1. Formulation of Design Brief 1.1) N/A
2. Design Themes and Ideas 2.1) N/A
3. Spatial Relationship and Organisation 3.1) N/A
4. Function, Form and Space 4.1) N/A

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	n/a	10%	CLO2
	Assignment	n/a	15%	CLO3
	Assignment	n/a	20%	CLO4
	Assignment	n/a	20%	CLO5
	Assignment	n/a	35%	CLO1

Reading List	Reference Book Resources	• Billing,K. 1993, *Master Planning Architecture: Theory and Practice*, John Wiley & Sons London • Smith, Peter F. 2003, *Sustainability at the Cutting Edge*, Architectural Press Oxford • Graham,P. 2003, *Building Ecology: First Principle for a Sustainable Built Environment*, Blackwell Science Oxford • Slessor,C. 2001, *Eco-Tech: Sustainable Architecture and High Technology*, Thames & Hudson London • Gauzin-Muller,D. 2002, *Sustainable Architecture and Urbanism: Concepts, Technologies, Examples*, Birkhauser Basel • Sanoff,H. 1990, *Visual Research Methods in Design*, John Wiley & Sons London
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	