UNIVERSITI TEKNOLOGI MARA

ARK850: DESIGN THESIS II

Course Name (English)	DESIGN THESIS II APPROVED
Course Code	ARK850
MQF Credit	8
Course Description	This course is a continuation of the previous one where the design thesis will be studied in greater detail in terms of construction and structural technology and systems, building fabric, and building and environmental services. An area of special study will be undertaken with detail section drawings to show the innovation and understanding of integrated building services with the design and structure. The final scheme presented for assessment shall be a thorough portfolio of design development from Design Thesis I through to the technical developments of Design Thesis II.
Transferable Skills	Independent and Critical Thinker Confident Solution Provider
Teaching Methodologies	Lectures, Studio, Seminar/Colloquium, Field Trip, Case Study, Tutorial, Problem Based Learning (PBL), Presentation, Directed Self-learning , Supervision
CLO	CLO1 Propose a holistic architectural solution for a medium complexity project as a response to various design parameters and incorporating technical provisions and needs of other consultants. CLO2 Compose effective presentation through various architectural communication mode. CLO3 Practice effective interpersonal and communication skills in the design research. CLO4 Relate various aspects of design solutions until schematic design stage. CLO5 Formulate a schematic design through integration of various technical and environmental solutions.
Pre-Requisite Courses	No course recommendations

Topics
1. Design Themes and Ideas 1.1) N/A
2. Spatial Relationship and Organisation 2.1) N/A
3. Function, Form and Space 3.1) N/A
4. Integration with Construction and Building Services 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	10%	CLO4
Assignment	n/a	15%	CLO3
Assignment	n/a	25%	CLO5
Assignment	n/a	40%	CLO1

Reading List

Reference Book Resources

- **Dept of Architecture & Civic Design GLC 1980, *Good Practice Details*, Architectural Press London**
- **Rush,R.D. (ed.) 1986, *The Building System Integration Handbook*, Butterworth-Heinemann Oxford**
- **Wilkinson,C. 1991, *Supersheds: The Architecture of Long-span and Large-volume Buildings*, Butterworth-Heinemann Oxford**
- **Merrit,F., Ambrose,J. 1989, *Building Engineering and Systems Design*, V.N.R. New York**
- **Graham,P. 2003, *Building Ecology: First Principle for a Sustainable Built Environment*, Blackwell Science Oxford**
- **Vischer,J., Preiser,W. 2005, *Assessing Building Performance*, Butterworth-Heinemann Oxford**

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

Other References This Course does not have any other resources