



UNIVERSITI TEKNOLOGI MARA

ARK750: ADVANCED DESIGN II

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| <b>Course Name (English)</b>  | ADVANCED DESIGN II <b>APPROVED</b>  |
| <b>Course Code</b>  | ARK750  |
| <b>MQF Credit</b>   | 8   |
| <b>Course Description</b>   | This course challenges students to consider the design of a high-rise or multi storey building of significant complexity. It encourages students to critically assess the architectural relevance and values of a project proposal within an urban setting. They are to resolve a design task that integrates various aspects of architectural concerns including client's brief, contextual issues, structural rationality, services applications and requirements. The proposals should exhibit competency in producing a scheme that resolves site layout, efficient and flexible planning of interior space, basement parking layout, interior spaces which are responsive to human needs and comfort, materiality, façade design, as well as the project contribution to the urban environment. Knowledge of prevailing planning and building by-laws is also important. |
| <b>Transferable Skills</b>  | 1. Independent and Critical Thinker<br>2. Systematically Inquisitive  |
| <b>Teaching Methodologies</b>   | Lectures, Studio, Seminar/Colloquium, Field Trip, Case Study, Tutorial, Problem Based Learning (PBL), Presentation, Directed Self-learning  |
| <b>CLO</b>  | CLO1 Propose an integrated architectural solution in the high rise building as a response to urban demands and corporate philosophy or other pertinent issues.<br>CLO2 Compose the presentation and model making skills in design solutions.<br>CLO3 Practice effective interpersonal and communication skills in the design research.<br>CLO4 Relate various aspects of design process from inception to project completion in architectural profession.<br>CLO5 Formulate a high rise building that considers the impacts upon society, culture, economy and environment.   |
| <b>Pre-Requisite Courses</b>  | No course recommendations   |
| <b>Topics</b>   |   |
| <b>1. Formulation of Design Brief</b><br>1.1) N/A                         |   |
| <b>2. Design Themes and Ideas</b><br>2.1) N/A                             |   |
| <b>3. Spatial Relationship and Organisation</b><br>3.1) N/A               |   |
| <b>4. Function, Form and Space</b><br>4.1) N/A                            |   |
| <b>5. Integration with Construction and Building Services</b><br>5.1) 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%             | CLO3 |
|                                  | Assignment  | n/a  | 10%             | CLO4 |
|                                  | Assignment  | n/a  | 20%             | CLO5 |
|                                  | Assignment  | n/a  | 50%             | CLO1 |
| Reading List                     | Reference Book Resources                              | <ul style="list-style-type: none"> <li>• Lawson,F.(Ed) 1991, <i>Design Development Guides</i>, Butterworth-Heinemann Oxford</li> <li>• Bailey,S. 1990, <i>Offices: Briefing and Design Guide</i>, Butterworth-Heinemann Oxford</li> <li>• Cowan,H.J. 1991, <i>Handbook of Architectural Technology</i>, V.N.R. London</li> <li>• Schueller,W. 1990, <i>The Vertical Building Structure</i>, V.N.R. New York</li> <li>• Craighead,G. 2009, <i>Highrise Security and Fire Life Safety (3rd Ed.)</i> Butterworth-Heinemann Oxford</li> <li>• Scuri,P. 1990, <i>Late Twentieth Century Skyscrapers</i>, V.N.R. New York</li> </ul> |                 |      |
| Article/Paper List               | This Course does not have any article/paper resources |  |                 |      |
| Other References                 | This Course does not have any other resources         |  |                 |      |