



UNIVERSITI TEKNOLOGI MARA

**BSS553: BUILDING DESIGN II**

<b>Course Name (English)</b>	BUILDING DESIGN II <b>APPROVED</b>
<b>Course Code</b>	BSS553
<b>MQF Credit</b>	3
<b>Course Description</b>	This course involved the integration of design and structural subjects with an emphasis on aesthetics, structural criteria, integrity and behaviour. Students need to understand the client's requirement and intention prior to proposing a comprehensive alteration project to client. Development and application of any forms of Computer Aided Design is required in order to provide an understanding of the application of CAD systems and their development in the future.
<b>Transferable Skills</b>	Design and planning skills on alteration, renovation and refurbishment projects.
<b>Teaching Methodologies</b>	Lectures, Studio, Field Trip, Presentation
<b>CLO</b>	CLO1 Identify and interpret the principles of building alterations in term of aesthetic, materials, services and structural integrity with particular attention to the requirement of the Building Regulation CLO2 Apply the design evaluation in respect to refurbishment and adaptation projects
<b>Pre-Requisite Courses</b>	No course recommendations
<b>Topics</b>	
<b>1. Site Analysis and Appraisal of Existing Building</b> 1.1) n/a	
<b>2. Implication of Building Regulations</b> 2.1) n/a	
<b>3. Refurbishment and Adaptation of Existing Building</b> 3.1) n/a	
<b>4. Appraisal of Existing Building (Use and Optimism for Re-Use)</b> 4.1) n/a	
<b>5. Sustainable Adaptation</b> 5.1) n/a	

Assessment Breakdown	%
Continuous Assessment	40.00%
Final Assessment	60.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Individual and Group Assignments	40%	CLO1 , CLO2

Reading List	Recommended Text	<ul style="list-style-type: none"> <li>• James Douglas, <i>Building adaptation</i>, Amsterdam ; Butterworth-Heinemann, 2006. [ISBN: 9780750666671]</li> <li>• David Littlefield, <i>Metric Handbook, Fourth Edition</i>, Architectural Press [ISBN: 9781856178068]</li> <li>• Christopher Gorse and David Highfield, <i>Refurbishment and upgrading of buildings</i>, London Spon Press 2009 [ISBN: 9780415441247]</li> <li>• Ernst Neufert, Peter Neufert, <i>Architects' Data</i>, Wiley-Blackwell [ISBN: 9781405192538]</li> <li>• Georg Giebeler, <i>Refurbishment Manual</i>, Birkh?user Architecture [ISBN: 9783764399474]</li> <li>• Arian Mostaedi, <i>New Domestic Interiors</i>, Links International [ISBN: 9788496263185]</li> <li>• James E. Piper, <i>Building Design and Maintenance Integration Handbook</i>, Fairmont Press [ISBN: 9780849390548]</li> <li>• Francis D. K. Ching 2007, <i>Architecture--form, space, &amp; order</i>, John Wiley &amp; Sons Hoboken, N.J. [ISBN: 0471752169]</li> <li>• George Tsoumis 1991, <i>Science and technology of wood</i>, Van Nostrand Reinhold New York [ISBN: 0442239858]</li> <li>• George R. White, <i>Concrete Technology</i>, Delmar Publishers [ISBN: 9780827310957]</li> <li>• Chanakya Arya, <i>Design of structural elements</i>, London ; Spon Press, 2009. [ISBN: 9780415467209]</li> </ul>
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	