



UNIVERSITI TEKNOLOGI MARA

BSS653: BUILDING DESIGN AND CONSERVATION

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| Course Name (English) | BUILDING DESIGN AND CONSERVATION APPROVED |
| Course Code | BSS653 |
| MQF Credit | 3 |
| Course Description | The course provides knowledge on theories and practices regarding building conservation, area conservation and architectural characters of historic buildings. |
| Transferable Skills | Understanding and comprehension of the characters of historic builds. Assessment of conservation methods, principles and policies. Preparations of dilapidation report, measured drawings and building conservation techniques. |
| Teaching Methodologies | Lectures, Blended Learning, Studio, Field Trip, Tutorial, Discussion, Presentation, Supervision |
| CLO | <p>CLO1 Upon completion, students are expected to be able to understand an overview of the methods and techniques utilized in building conservation.</p> <p>CLO2 Students are expected to be able to acquire an opportunity to develop more in-depth knowledge of a specific aspect of building conservation through group assignment which involves preparation of dilapidation survey report, measured drawings and building conservation revitalization programme.</p> <p>CLO3 Students are expected to be able to understand a common vocabulary and understanding of building conservation principles and practice so they can establish a dialogue with peers and allied professionals within the field of architectural conservation.</p> |
| Pre-Requisite Courses | No course recommendations |
| Topics | |
| 1. INTRODUCTION TO CONSERVATION 1.1) Definitions of Terminology, Rationale, Conservation Processes, Conservation Principles | |
| 2. CONSERVATION LEGISLATION, GUIDELINES AND ORGANIZATIONS 2.1) Conservation Related Laws, Conservation Charters | |
| 3. INTERNATIONAL CONSERVATION ORGANIZATION 3.1) ICOMOS, BURRA CHARTERS, HOI ANN, | |
| 4. WORLD AND NATIONAL HERITAGE LIST 4.1) tangible and intangible heritage, Jabatan Warisan Negara | |
| 5. AREA CONSERVATION 5.1) principles and methods of historical area conservation | |
| 6. COLONIAL BUILDINGS 6.1) character, history and architectural details | |
| 7. OLD SHOPHOUSES 7.1) History, architectural styles and details | |
| 8. THE ARCHITECTURAL STYLE OF BUILDINGS 8.1) Evolution of architectural styles of buildings in Malaysia | |
| 9. Historical Architectural Building Survey (HABS) 9.1) Introduction to HABS, The HABS process. Dilapidation survey. | |
| 10. MAINTENANCE OF HISTORIC BUILDINGS 10.1) Current maintenance condition of the National Heritage Buildings | |

11. MINOR PROJECT

- 11.1) site visit
- 11.2) pamphlet design
- 11.3) presentation

12. MAIN PROJECT

- 12.1) site visit
- 12.2) measured drawings
- 12.3) dilapidation reports
- 12.4) conservation proposal
- 12.5) conservation report
- 12.6) presentation materials

13. INDIVIDUAL COMMITMENT

- 13.1) individual participation
- 13.2) contribution to ideas
- 13.3) presentation

| Assessment Breakdown | % |
|-----------------------|--------|
| Continuous Assessment | 90.00% |
| Final Assessment | 10.00% |

| Details of Continuous Assessment | Assessment Type | Assessment Description | % of Total Mark | CLO |
|----------------------------------|-----------------|---|-----------------|-------------|
| | Assignment | short project on historical building identification and analysis. | 10% | CLO1 |
| | Group Project | preliminary study (historic survey) | 10% | CLO2 |
| | Group Project | conservation proposal | 10% | CLO2 , CLO3 |
| | Group Project | dilapidation survey and report | 30% | CLO1 , CLO2 |
| | Group Project | measured drawing | 30% | CLO1 , CLO2 |

| Reading List | Reference Book Resources |
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| | <ul style="list-style-type: none"> • Ross, Micheal, 1996, <i>Planning and the Heritage</i>, E & Fan Spon London. • Le Febvre, Henri 1996, <i>Writing on Cities</i>, Blackwell Oxford • Feilden, B.M, 2003, <i>Conservation of Historic Buildings</i>, Arch. Press London • Ghafer Ahmad, A 2001, <i>Restoration of the Historic Fort Cornwallis, Penang, Malaysia</i>, 7th Int. Conf. Ed., Trent Uni UK. • Ahmad, Y & Wood, P, , <i>Building Conservation in Malaysia : Current Practices & Challenges, PAM : 80 years Architecture in Malaysia. 2000, Building Conservation in Malaysia : Current Practices & Challenges, PAM : 80 years Architecture in Malaysia.</i> • Helme, D 1998, <i>Conservation Handbook : A Guide to the Conservation of Historic Buildings and Ancient Monuments</i>, , Property Service Agency, Crown Copyright. • breerton C 1995, <i>the repair of historic building: advice on principles and method</i> • British Standard Institute 1998, <i>BS7913: A Guide to the Principles of the Conservation of Historic Buildings</i>, British Standard Institute London • Chen Voon Fee (Ed) 1998, <i>The Encyclopedia of Malaysia Architecture.</i>, (Volume 5) Ed., Archipelago Press. Kuala Lumpur • Feilden, B.M 2003, <i>Conservation of Historic Buildings</i>, Arch. Press London. • Fielden, B. M., & Jokilehto, J. 1993, <i>Management Guidelines for World Cultural Heritage Sites</i>, ICCROM. Rome • Helme, D, 1998, <i>Conservation Handbook : A Guide to the Conservation of Historic Buildings and Ancient Monuments</i>, Property Service Agency , Crown Copyright • Ku Azhar Ku Hassan 2003, <i>Seni Bina Bangunan Kayu: Rekabentuk dan Implikasi Beban Kos Penyelenggaraan: ,</i> Universiti Sains Malaysia Pulau Pinang. • Larkham, P. J. 1996, <i>Conservation and The City.</i>, Routledge. London • Lee, R, 1998, <i>Building Maintenance Management</i>, 3rd Edition Ed., Blackwell Science. • Legal Research Board, <i>Law of Malaysia, Town and Country Planning Act 1976, (Act 172).</i> • Legal research board, <i>Law of Malaysia, National Heritage Act 2005 (Act 645)</i> • Legal research board, <i>Law of Malaysia, Local Government Act</i> |

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| | <p>1976 (Act 171).</p> <ul style="list-style-type: none"> • Legal research board, <i>Law of Malaysia, Uniform Building By-Laws, 1984.</i> • Dennis Rodwell 2007, <i>Conservation and Sustainability In Historic Cities.</i>, Blackwell • Edward Hobson 2004, <i>Conservation and Planning: Changing Value in Policy and Practice.</i>, Spon Press. • Ian Bentley 198, <i>Responsive Environment – A manual for designers</i>, Architectural Press. • Wood, B, 200, <i>Building Care</i>, Blackwell Science Oxford. |
| Article/Paper List | This Course does not have any article/paper resources |
| Other References | This Course does not have any other resources |