



UNIVERSITI TEKNOLOGI MARA

BCM622: DISSERTATION I

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| Course Name (English) | DISSERTATION I APPROVED |
| Course Code | BCM622 |
| MQF Credit | 2 |
| Course Description | This course is a continuation of Research Methodology and Methods (BCM542). It gives opportunities for students to apply the knowledge gained previously. Students need to choose a research topic and produce well structured literature review, statement of research question and formulation of hypothesis. The students have to identify the population and choose appropriate research techniques/tools. Students are required to consult their respective supervisors at least 7 times per semester at two hours per consultation. A log book will be used to track student's progress. Students will be assessed upon completing the problem statement, research objectives, literature review, hypotheses (optional) and research design. |
| Transferable Skills | Planning, analysis and communication skills |
| Teaching Methodologies | Inquiry-based Learning, Reading Activity, Discussion, Supervision |
| CLO | CLO1 Write problem statements, research objectives, literature review, research design and methods related to the research topics systematically and independently on appropriate research topic or issue relevant to the construction industry CLO2 Demonstrate the understanding of research process. CLO3 Practice ethical standards of conduct in research development work. |
| Pre-Requisite Courses | No course recommendations |
| Topics | |
| 1. Selection of a research topic and a paradigm 1.1) Identifying and writing a research topic by describing it succinctly 1.2) Drafting a working title and considering whether it is researchable 1.3) Choosing a paradigm, either quantitative, qualitative or a combination of both | |
| 2. Problem Statement, Objectives and Hypotheses 2.1) Identifying and writing a clear, right and important problem statement 2.2) Developing and writing clear objectives that are relevant to the problem statement 2.3) Developing and writing relevant, testable and resolvable hypotheses | |
| 3. Reviewing the literature 3.1) Conducting literature search and writing literature review 3.2) Producing conceptual/theoretical framework | |
| 4. Methodology 4.1) Identifying and writing research variables and reliable research population. 4.2) Identifying and explaining measuring instruments 4.3) Identifying and explaining the limitations of research design 4.4) Identifying and writing appropriate research methodology | |

| Assessment Breakdown | | % | |
|-----------------------|--|---------|--|
| Continuous Assessment | | 100.00% | |

| Details of Continuous Assessment | Assessment Type | Assessment Description | % of Total Mark | CLO |
|----------------------------------|-----------------|---|-----------------|------|
| | Assignment | Originality | 20% | CLO3 |
| | Discussion | 6 time meeting with supervisor | 10% | CLO2 |
| | Disertation | To follow the assesement matrix provided by dissertation 1 coordinator. | 70% | CLO1 |

| Reading List | Recommended Text |
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| | <ul style="list-style-type: none"> • Creswell, J.W 1994, <i>Research Design Qualitative & Quantitative Approaches</i>, SAGE Publication London • Richards F 1997, <i>Research Method for Construction</i>, 3 Ed., Blackwell Publishing Oxford [ISBN: 978-14051779] • McBurney, D.H 1998, <i>Research Methods</i>, SAGE Publications London • Hard, C 1998, <i>Doing a Literature Review</i>, SAGE Publications London • Green, S.B, Salkind, N.J., and Akey, T.M 2000, <i>Using SPSS for Windows: Analysing and Understanding Data</i>, 2 Ed., Prentice Hall London • Bryman, A. and Cramer, D 2001, <i>Quantitative data Analysis with SPSS Release 10 for Windows, A Guide for Social Scientetists</i>, Routledge New York [ISBN: 13: 978-04152] • Naoum, S.G 2001, <i>Dissertation Research and Writing for Construction Students</i>, Butterworth-Heinemann Oxford [ISBN: 978-04155384] • McQueen, R and Knussen, C 2001, <i>Research Methods for Social Science, An Introduction</i>, Prentice-Hall Lonson • Murray, R 2006, <i>How to write a thesis</i>, 2 Ed., Open Universiti Press London |

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| Article/Paper List | This Course does not have any article/paper resources |
| Other References | This Course does not have any other resources |