



## UNIVERSITI TEKNOLOGI MARA

### BTP152: PLANNING SURVEY TECHNIQUES

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| <b>Course Name (English)</b>  | PLANNING SURVEY TECHNIQUES <b>APPROVED</b>   |
| <b>Course Code</b>  | BTP152   |
| <b>MQF Credit</b>   | 2  |
| <b>Course Description</b>   | This course will provide the necessary understanding of the importance of survey techniques in the planning process. Survey is the collection of relevant facts and research in the analysis & interpretation of data.   |
| <b>Transferable Skills</b>  | Demonstrate ability to identify and articulate self skills, knowledge and understanding confidently and in a variety of context.<br>Demonstrate ability to manage personal performance to meet expectations and demonstrate drive, determination, and accountability.<br>Demonstrate practical and contemporary knowledge of relevant professional, ethical and legal framework. |
| <b>Teaching Methodologies</b>   | Lectures, Field Trip, Computer Aided Learning  |
| <b>CLO</b>  | CLO1 Ability to comprehend types of planning survey in the planning process<br>CLO2 Ability to collect relevant facts with applies the scientific method for collecting data, organizing, summarizing and presenting data<br>CLO3 Ability to carry out statistical technique for data analysis, interpretation and presentation of data  |
| <b>Pre-Requisite Courses</b>  | No course recommendations  |
| <b>Topics</b>   |  |
| <b>1. Introduction</b><br>1.1) Survey in relation to planning<br>1.2) Purpose, objectives and scope   |  |
| <b>2. Various type of Planning Surveys</b><br>2.1) Socio-economic survey<br>2.2) Commercial & Industrial survey<br>2.3) Land use survey<br>2.4) Building use & condition survey<br>2.5) Traffic survey  |  |
| <b>3. Data Collection Techniques</b><br>3.1) Methods of gathering Primary & Secondary Data<br>3.2) Design of Questionnaire<br>3.3) Sampling Techniques  |  |
| <b>4. Data Analysis &amp; Interpretation (Manual &amp; Computer Application)</b><br>4.1) Collection & Tabulation<br>4.2) Statistical Analysis<br>4.3) Parameters of Distribution<br>4.4) Correlation<br>4.5) Statistical Package<br>4.6) Interpretation of data |  |
| <b>5. Data presentation &amp; Report Writing</b><br>5.1) Graphic and verbal presentation<br>5.2) Identification of issues & problems<br>5.3) Report format  |  |

| Assessment Breakdown  | %      |
|-----------------------|--------|
| Continuous Assessment | 40.00% |
| Final Assessment      | 60.00% |

| Details of Continuous Assessment | Assessment Type | Assessment Description | % of Total Mark | CLO                |
|----------------------------------|-----------------|------------------------|-----------------|--------------------|
|                                  | Assignment      | n/a                    | 40%             | CLO1 , CLO2 , CLO3 |

| Reading List | Reference Book Resources  |
|--------------|---|
|              | <ul style="list-style-type: none"> <li>• Alistair W Kerr, 2002, <i>Doing Statistics With SPSS</i>, London, The Estates Gazette Ltd.</li> <li>• Blokdiff, A. 1987, <i>Planning and design Information System</i>, London, Academic Press</li> <li>• Ibrahim Wahab 1991, <i>Perancangan Bandar: Aspek Fizikal Dan Kawalan</i>, Dewan Bahasa Dan Pustaka</li> <li>• Jackson, J.N 1966, <i>Survey For Town And Country Planning</i>, London University Library.</li> <li>• Winston Jackson, 1999, <i>Methods Doing Social Research</i>, New York</li> <li>• Lind, Douglas A, 2000, <i>Basic Statistics For Business And Economics</i>. , London University Library.</li> <li>• Peck, Olsen, Devore 2005, <i>Introduction To Statistics And Data Analysis</i>., London Gower.</li> <li>• Ratcliffe, J. 1989, <i>An Introduction to Town and Country Planning</i>, London, Hutchinson.</li> <li>• Robert, M. 1974, <i>An Introduction To Town Planning Techniques</i>, London, Hutchinson</li> <li>• Kalton, G. W. 1983, <i>Introduction to Survey Sampling</i>, London, Sage.</li> </ul> |

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