



UNIVERSITI TEKNOLOGI MARA

BTP352: RESEARCH METHODS

Course Name (English)	RESEARCH METHODS APPROVED
Course Code	BTP352
MQF Credit	2
Course Description	The course is aimed to provide students with the knowledge of various research theory and design pertinent to town and regional planning. The student will apply the knowledge in carrying out their individual research.
Transferable Skills	Demonstrate ability to manage personal performance to meet expectations and demonstrate drive, determination, and accountability. Demonstrate practical and contemporary knowledge of relevant professional, ethical and legal frameworks
Teaching Methodologies	Lectures, Blended Learning, Discussion
CLO	CLO1 Ability to develop critical thinking in research methodology, its application and process; CLO2 Ability to decide which type research to be conducted; CLO3 Ability to critically assess and comment on issues related to research procedures CLO4 Ability to consider a holistic approach in research methods, also to understand the future trends, needs and opportunities in doing research and procedures.
Pre-Requisite Courses	No course recommendations
Topics	
1. Introduction to Research 1.1) Research philosophy 1.2) Need for research methods	
2. Research Theory 2.1) Theory and causality 2.2) The scientific approach	
3. Research Design 3.1) Design and validity 3.2) Experimental research 3.3) Survey research 3.4) Field research 3.5) Existing data research Historical research 3.6) Comparative research 3.7) Evaluation research	
4. Research Concepts and Operation 4.1) Concept formulation 4.2) Variables and observations 4.3) Measurement and scales 4.4) Error, validity and reliability 4.5) Survey principles 4.6) Survey design 4.7) Sampling design	

5. Research Analysis 5.1) Inductive approach 5.2) Deductive approach 5.3) Causal inference (simulation models)
6. Research Proposal 6.1) Aim, Objectives, Research Design etc
7. Research Contribution 7.1) Reporting 7.2) Implications

Assessment Breakdown	%
Continuous Assessment	40.00%
Final Assessment	60.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Individual assignment	15%	CLO1 , CLO2 , CLO3 , CLO4
	Test	Individual test	25%	CLO1 , CLO3

Reading List	Recommended Text	Reference Book Resources
	<ul style="list-style-type: none"> • Ranjit Kumar 2014, <i>Research Methodology : A step-by-step guide for beginners</i>, Sage London • Uma Sekaran and Roger Bougie 2013, <i>Research Methods for business : A skill-building Approach</i>, 6th Edition Ed., Wiley & Sons New Jersey • William Paul Vogt and Robert Burke Johnson 2011, <i>Dictionary of Statistics & Methodology</i>, Sage Publication London 	<ul style="list-style-type: none"> • Yin, R. 2002, <i>Case Study Research: Design and Methods</i>, Thir, Ed., , Beverly Hills, Sage [ISBN:] • John W. Creswell, 2002, <i>Research Design: Qualitative, Quantitative, a</i>, 2 Ed., , Beverly Hills, Sage Publications [ISBN:] • Yin, R. 2002, <i>Application of Case Study Research</i>, Ed., , Beverly Hills, Sage Publications [ISBN:] • Baxter, R.S. 1976, <i>Computer and Statistical Techniques for Plann</i>, Ed., , London, Methuen [ISBN:] • Scheffler, W. C. 1988, <i>Statistics : Concepts and Operations</i>, Ed., , California Benjamin/Cummings Pub [ISBN:] • Bumer, M. (ed), 1984, <i>Sociological Research Methods: An Introductio</i>, 2 Ed., , London, Macmillan [ISBN:] • Cochran, W.G. 1977, <i>Sampling Techniques</i> , 3 Ed., , London, Wiley [ISBN:] • Krueckeberg, D.A. and Silvers, A.C. 1974, <i>Urban Planning Analysis: Methods and Models</i>, Ed., , New York, John Wiley & Sons [ISBN:] • Miller, P.M. and Wilson, M.J. 1983, <i>A Dictionary of Social Science Methods</i>, Ed., , New York, Wiley [ISBN:] • Bracken, I 1981, <i>Urban Planning Methods</i>, Ed., , London, Methuen & Co.Ltd [ISBN:]
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	