



UNIVERSITI TEKNOLOGI MARA

SRT603: RESEARCH METHODOLOGY IN SPORT AND BEHAVIOURAL SCIENCES

Course Name (English)	RESEARCH METHODOLOGY IN SPORT AND BEHAVIOURAL SCIENCES APPROVED
Course Code	SRT603
MQF Credit	3
Course Description	This course introduces students to the research processes in the field of sports sciences, sports management, recreation and leisure. Students will be exposed to various research methods including qualitative, quantitative, survey and experimental methods. They will be guided in data collection procedure and methods of sampling as well as data analysis. The course will also guide student in applying format and principles to prepare their research proposal and research report.
Transferable Skills	i. Knowledge in Specific Area ii. Practical Skills iii. Thinking and Scientific Skills iv. Communication Skills v. Values, Ethics and professionalism vi. Information Management and Life Long Learning
Teaching Methodologies	Lectures, Blended Learning, Web Based Learning, Discussion, Presentation, Small Group Sessions , Self-directed Learning, Directed Self-learning , Journal/Article Critique
CLO	CLO1 Describe the processes involved in conducting research in the field of sport science, sport management and exercise CLO2 Apply and evaluate the research designs and various methods employed in data collection CLO3 Apply the research proposal format to various topics in developing research proposal CLO4 4 Interpret research results and findings in preparing the research report.
Pre-Requisite Courses	No course recommendations
Topics	
1. 1. The meaning of research 1.1) 1.1 What is research? 1.2) 1.2 Purposes of research 1.3) 1.3 Ethics in research 1.4) 1.4 Type of research	
2. 2. Research processes 2.1) 2.1 Identify Problem and select a topic 2.2) 2.2 Review the literature 2.3) 2.3 Devise a conceptual framework 2.4) 2.4 Formulate research hypothesis/question 2.5) 2.5 Decide on the design of the study 2.6) 2.6 Conduct research/Gather data 2.7) 2.7 Analyze and interpret data 2.8) 2.8 Report findings	
3. 3. Developing research proposal 3.1) 3.1 Introduction and Statement of the Problem 3.2) 3.2 Review of literature 3.3) 3.3 Design, Instrumentation and Procedures 3.4) 3.4 Appendices (Time Schedule, Selected Bibliography)	

4. 4. Literature search 4.1) 4.1 Write the problem statement 4.2) 4.2 Consult secondary sources 4.3) 4.3 Determine descriptors 4.4) 4.4 Search for primary sources 4.5) 4.5 Read and record the literature 4.6) 4.6 Write the literature review
5. 5. Research methods 5.1) 5.1 Quantitative research versus qualitative research 5.2) 5.2 Experimental research 5.3) 5.3 Non-experimental research 5.4) 5.4 Other research methods
6. Design of the study & Conceptual Framework 6.1) n/a
7. 8. Sampling 7.1) 8.1 Population and samples 7.2) 8.2 Probability sampling strategies 7.3) 8.3 Non-probability sampling strategies
8. 9. Data collection, descriptive statistics and inferential statistics 8.1) 9.1 Data collection process 8.2) 9.2 Descriptive statistics 8.3) 9.3 Inferential statistics
9. Writing Research Proposal 9.1) 3. Research Proposal Format: 9.2) 3.1 Introduction and Statement of the Problem 9.3) 3.2 Review of literature 9.4) 3.3 Design, Instrumentation and Procedures 9.5) 3.4 Appendices (Time Schedule, Selected Bibliography)
10. Writing research report 10.1) 10.1 Title and abstract 10.2) 10.2 Introduction and literature review section 10.3) 10.3 The method section 10.4) 10.4 The results section 10.5) 10.5 The discussion section 10.6) 10.6 References/Bibliography and appendices

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Individual Project	Proposal	10%	CLO4
	Individual Project	Proposal	50%	CLO3
	Journal/Article Critique	Related to the research proposal theme	25%	CLO2
	Presentation	Proposal	15%	CLO1

Reading List	Recommended Text	Reference Book Resources
	<ul style="list-style-type: none"> • Ted Baumgartner, Larry Hensley 2012, <i>Conducting & Reading Research In Kinesiology</i>, 5 Ed., McGraw-Hill Education [ISBN: 0-07-802255-X] • Thomas, J.R., Nelson, J.K. & Silverman, S.J. 2005, <i>Research methods in physical activity</i>, 5 Ed., , Champaign, IL: Human Kinetics 	<ul style="list-style-type: none"> • Berg, B.L. 2001, <i>Qualitative research methods for social scienc</i>, 4 Ed., , Needham Heights, MA: Allyn & Bacon. [ISBN:] • Blaxter, L., Hughes, C. & tight, M. 2001, <i>How to research</i> , 2 Ed., , Buckingham: Open University Press [ISBN:] • Bowling, A. 2002, <i>Research methods in healt</i>, 2 Ed., , Maidenhead, Philadelphia: Open University pr [ISBN:] • Ntoumanis, N. 2001, <i>A step-by-step guide to SPSS for sport and e</i>, Ed., , London: Routledge [ISBN:] • Polgar, S. & Thomas, S.A. 2001, <i>Introduction to research in the health scienc</i>, 4 Ed., , London: Harcourt. [ISBN:]
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	