



UNIVERSITI TEKNOLOGI MARA

ALS611: RESEARCH METHODOLOGY

Course Name (English)	RESEARCH METHODOLOGY APPROVED
Course Code	ALS611
MQF Credit	2
Course Description	This course aims to equip students with knowledge of various methods appropriate for research. Students will become familiar with the systematic processes needed to ensure the reliability and validity of quantitative and qualitative research. The course emphasizes theoretical and practical issues in research design and methodology. At the end of the course, the students demonstrate their knowledge and skills acquired in a research proposal.
Transferable Skills	Demonstrate ability to manage personal performance to meet expectations and demonstrate drive, determination, and accountability - Resourceful and Responsible Demonstrate ability to communicate clearly and confidently, and listen critically - Effective Communicator Demonstrate ability to apply creative, imaginative and innovative thinking and ideas to problem solving - Independent and Critical Thinker
Teaching Methodologies	Lectures, Blended Learning, Problem Based Learning (PBL), Discussion, Presentation, Self-directed Learning, Supervision
CLO	CLO1 determine and define research problems CLO2 conduct literature search and write literature reviews CLO3 choose appropriate research methods for the problems identified CLO4 write a research proposal CLO5 explain the overall research design
Pre-Requisite Courses	No course recommendations
Topics	
1. The Research Process 1.1) Understand the research process 1.2) Select a topic 1.3) Identify a problem	
2. Literature review 2.1) Understand and know how to do a literature 2.2) Read an article and give a critique	
3. Research Methods 3.1) Understand the methodology in research 3.2) Know sampling procedures, research instruments and data collection process	
4. Research Methods 4.1) Understand how to interpret and present data 4.2) Know how to use descriptive and inferential statistics 4.3) Know how to use statistical packages of data analyses	
5. The Research Proposal 5.1) Write research questions 5.2) Write objectives of research 5.3) Write a research proposal on the chosen topic	

6. Research Design

- 6.1) Understand research design
- 6.2) Know how to do research with primary and secondary sources
- 6.3) Know the characteristics of qualitative and quantitative research
- 6.4) Know operational definitions
- 6.5) Understand reliability and validity in research

Assessment Breakdown	%
Final Assessment	100.00%

Details of Continuous Assessment				
	Assessment Type	Assessment Description	% of Total Mark	CLO
Reading List	This Course does not have any book resources			
Article/Paper List	This Course does not have any article/paper resources			
Other References	This Course does not have any other resources			