



UNIVERSITI TEKNOLOGI MARA

FST300: INDEPENDENT STUDIES

Course Name (English)	INDEPENDENT STUDIES APPROVED
Course Code	FST300
MQF Credit	1
Course Description	Group of student are required to carry out an approved research project under the supervision of on lecturer in the faculty. They are required to submit a research proposal and upon completion of a research project, a bound report as to be submitted to the faculty and the research proposal will be presented. The report together with an oral presentation will be assessed and graded.
Transferable Skills	Expert in field.
Teaching Methodologies	Lectures, Lab Work, Problem Based Learning (PBL)
CLO	CLO1 Apply knowledge in food science and technology in the preparation of research work CLO2 Identify the research problems, objectives and significance of study. CLO3 Gather information related to the area of study and generate experimental design CLO4 Present and defend research proposal. CLO5 Conduct experimental work, analyze and interpret data. CLO6 Present and defend research outcome. CLO7 Compose and write report.
Pre-Requisite Courses	No course recommendations
Topics	
1. Technique of writing and presenting research proposal 1.1) 1. Research proposal components. 1.2) a) Background of study 1.3) b) Problem statement 1.4) c) Significant of study 1.5) d) Objectives	
2. Literature search. 2.1) 1. Finding and gather information related to the study.	
3. Methodology/ research design 3.1) 1. Finding established method of analysis.	
4. Oral presentation of research proposal 4.1) 1. Guidelines for proposal presentation. 4.2) 2. Technique for present and defend research proposal.	
5. Experimental work 5.1) 1. Laboratory work activities according to the proposal.	
6. Data collection and analysis of data 6.1) 1. Arrangement of data obtained. 6.2) 2. Analyzed data using statistical analysis.	
7. Oral presentation of research findings 7.1) 1. Present and defend research findings.	
8. Preparation and submission of written report 8.1) 1. Writing report according to the given format/guidelines.	

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Attendance	Commitment and effort will be assessed by their own supervisor.	20%	CLO3 , CLO5
	Presentation	Students are required to present and defend their research outcome in group.	30%	CLO1 , CLO2 , CLO3 , CLO4 , CLO5 , CLO6
	Written Report	Students are required to submit written report in group to be assessed by panel.	50%	CLO1 , CLO2 , CLO3 , CLO5 , CLO7

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