



## UNIVERSITI TEKNOLOGI MARA

### FSG731: DISSERTATION II

<b>Course Name (English)</b>	DISSERTATION II <b>APPROVED</b>
<b>Course Code</b>	FSG731
<b>MQF Credit</b>	14
<b>Course Description</b>	This course provides advanced level training for research studies and subsequent careers in a variety of industrial, professional and academic fields. Students are required to carry out an approved research project under the supervision of one or more lecturers in the faculty or industry. They are required to submit a written research thesis and upon completion of a research project, a bound thesis is to be submitted to the faculty and the research outcome will be orally presented. The thesis together with an oral presentation will be assessed and graded.
<b>Transferable Skills</b>	Advanced laboratory and problem solving skills assessed by written thesis Scientific written communication skills assessed on written thesis and manuscript Scientific verbal communication skills assessed on oral presentation
<b>Teaching Methodologies</b>	Lab Work, Discussion, Presentation, Directed Self-learning , Supervision
<b>CLO</b>	CLO1 Formalise literature review, results, discussions and conclusions into a well-organised thesis document CLO2 Perform laboratory experiments to achieve the research objectives identified in FSG721, and record the data in an acceptable manner CLO3 Analyse the experimental data, summarise the results and discuss the findings in relation to the hypothesis formulated in FSG721 CLO4 present research project in a scientific manner CLO5 Write a concise manuscript in the format of a journal article on the findings of the research project
<b>Pre-Requisite Courses</b>	No course recommendations
<b>Topics</b>	
<b>1. final dissertation writing</b> 1.1) Five copies of thesis will be submitted to the Faculty for the viva voce and graded purposes. Two panels of external and internal examiners will be appointed to assess the thesis. Correction to be made within a timeframe before final grade can be released to the student. There are four level of grades to be given after the final correction namely thesis is accepted without correction, thesis is accepted with minor correction, thesis is accepted with major correction with reviva and failed.	
<b>2. laboratory work</b> 2.1) Students will proceed to the experimental work agreed from the previous semester (FSG721). Experimental work can be performed inside FSG laboratories, or other collaborative laboratories from other faculty or industries.	
<b>3. Data analysis</b> 3.1) Experimental data will be analysed scientifically and reported accordingly to the supervisor. Software for basic training such as statistical software and bioinformatics tool will be provided to related student to analyse their data. Special software for training special data will also be provided by relevant supervisor to their respective student at their own cost.	
<b>4. oral presentation</b> 4.1) Students are required to present their research findings at the viva-voce session organised by faculty. Panel of examiner consisting an internal and external examiner will be appointed based on their knowledge and skills in the relevant research areas. Students have approximately 1 hour to present their thesis including the Q&A session. The oral presentation will be marked and graded according to relevant rubric.	

**5. manuscript or poster writing**

5.1) Students are required to produce at least one manuscript or poster towards the end of their postgraduate studies at UiTM. The manuscript / poster must follow a jurnal article format either at the National or International level.

<b>Assessment Breakdown</b>	<b>%</b>
Continuous Assessment	100.00%

<b>Details of Continuous Assessment</b>	<b>Assessment Type</b>	<b>Assessment Description</b>	<b>% of Total Mark</b>	<b>CLO</b>
	Disertation	writing result & discussion	30%	CLO1
	Disertation	Writing conclusion	30%	CLO3
	Presentation	oral presentation	20%	CLO4
	Written Report	logbook entries	10%	CLO2
	Written Report	manuscript or poster writing	10%	CLO5

<b>Reading List</b>	This Course does not have any book resources
<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