



UNIVERSITI TEKNOLOGI MARA

FSG721: DISSERTATION I

Course Name (English)	DISSERTATION I APPROVED	
Course Code	FSG721	
MQF Credit	14	
Course Description	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 plan their research study under the supervision of one or more lecturers in the faculty or industry. Students are expected to give oral presentation on their proposals as well as the preliminary results (if any).	
Transferable Skills	scientific oral presentation scientific writing self time management searching relevant literature review journal review and critical thinking	
Teaching Methodologies	Lab Work, Presentation, Directed Self-learning , Supervision	
CLO	CLO1 Formulate a hypothesis, then design appropriate experiments to test the hypothesis and present the scientific methodology with sufficient clarity CLO2 Write a complete research proposal with timelines for the research project CLO3 present research proposal scientifically	
Pre-Requisite Courses	No course recommendations	
Reading List	Recommended Text	<ul style="list-style-type: none"> • Alred, G.J., Brusaw, C. T. and Oliu, W. E. 2018, <i>Handbook of technical writing.</i>, 12th. Ed., 12, St. Martin's Inc, New York, USA. USA [ISBN: 978-131905852] • Hofmann. A.H. 2016, <i>Scientific writing and communication: Papers. Proposal and presentations.</i>, 3rd. Ed., 10, Oxford University Press, UK. UK [ISBN: 978-019027854] • Diskin, Shiri 2018, <i>The 21St Century Guide To Writing Articles In The Biomedical Sciences</i>, 1 Ed., 10, World Publishing Co Danver, USA [ISBN: 978-98132337]
Article/Paper List	Recommended Article/Paper Resources	<ul style="list-style-type: none"> • P. Singh, Y. Patil , V. Rale 2018, Biosurfactant production: emerging trends and promising strategies, <i>Jurnal of Applied Microbiology</i>, 126, 213 [ISSN: 1365-2672] https://onlinelibrary.wiley.com/journal/13652672
Other References	<ul style="list-style-type: none"> • Book Richard Johnson-Sheehan 2017, <i>Technical Communication Today</i>, Pearson, USA 	