



UNIVERSITI TEKNOLOGI MARA

CSC734: READINGS IN COMPUTER SCIENCE

Course Name (English)	READINGS IN COMPUTER SCIENCE APPROVED
Course Code	CSC734
MQF Credit	3
Course Description	The objective of this course is to help a student to get started in the Research Project in the following semester. The course provides for individual study in areas of computer science not covered in the regular curriculum under the supervision of a computer science lecturer. The supervisor guides the student in the research process. The student and the supervisor should have an agreement on the work to be done by the student in advance; and then, develop the work over the semester. Regular meetings with the supervisor are required. The student may be asked to research and review literature in the area of the planned Research Project, or to analyse/ compare/ improve/ apply selected algorithms or methods as part of the process of developing solutions to the Research Project's problem. The work done is to be presented in a form of a paper that is phrased and structured like an academic article, and also communicated in an informal oral presentation
Transferable Skills	Students will develop a higher degree of appreciations an able to discuss on topics relevant to the body of knowledge and disciplines in computer science.
Teaching Methodologies	Lectures, Discussion
CLO	CLO1 Demonstrate values attitudes and professionalism on a selected research topic of interest CLO2 Discriminate among the related researches and methods to propose suitable solution strategies CLO3 Report verbally and in writing on the scientific findings.
Pre-Requisite Courses	No course recommendations
Topics	1. Understanding the process of writing a scientific paper 1.1) Definition of a scientific paper 1.2) Concepts and principles of writing a specific paper 1.3) Search related scientific papers 2. Concepts and principles of critical thinking and analysis 2.1) Understanding the process of critical thinking and analysis 2.2) Revise prior research and methods 2.3) Determine research gap 3. Compose research activities and findings in oral and written form 3.1) Construct an artifact to present the results of the previous topics (in the form of model, architecture etc

Assessment Breakdown		%	
Continuous Assessment		100.00%	

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Journal/Article Critique	Observation on the students carry out the task	15%	CLO2
	Presentation	Presentation of report (conference style)	10%	CLO3
	Written Report	Produce a draft of research paper	15%	CLO1
	Written Report	Similar to a conference paper	60%	CLO1

Reading List	Reference Book Resources
	<ul style="list-style-type: none"> • Joyner, R.L., (Arthur) Rouse, W.A. and Glatthorn, A. A 2013, <i>Writing the Winning Thesis or Dissertation: A Step-by-Step Guide</i> • Skwire, S.E. and Skwire, D. 2013, <i>Writing with a Thesis: A Rhetoric and Reader</i> • Ogden, E. H. 2013, <i>Complete Your Dissertation or Thesis in Two Semesters or Less</i> • Remler, D.K. and Van Ryzin, G.G. 2014, <i>Research Methods in Practice: Strategies for Description and Causation</i> • Passer., M.W 2014, <i>Research Methods Concepts and Connections</i>
Article/Paper List	This Course does not have any article/paper resources
Other References	This Course does not have any other resources