



UNIVERSITI TEKNOLOGI MARA

JMC462: COMPUTER AIDED DESIGN 1

Course Name (English)	COMPUTER AIDED DESIGN 1 APPROVED		
Course Code	JMC462		
MQF Credit	2		
Course Description	The course is designed to help students to learn dimensioning, designing and rendering using 3 Dimensional software. Students will be equipped with the skills to solve drawing problems and execute drawings using drafting and design software. Students will also be introduced to isometric, 3D drawing and rendering in various scenes.		
Transferable Skills	Be able to design a solid modelling by using 3 Dimensional software design.		
Teaching Methodologies	Lectures, Demonstrations, Computer Aided Learning		
CLO	<p>CLO1 CLO1: Analyze the key characteristics of feature based on solid modelling of 3 Dimensional software. (C-4)</p> <p>CLO2 CLO2: Conduct and identify the principal components of the 3 Dimensional software user interfaces. (P-4)</p> <p>CLO3 CLO3: Initiate the programme for drafting and designing in accomplished 3 Dimensional designs. (A-3)</p>		
Pre-Requisite Courses	No course recommendations		
Reading List	<table border="1"> <tr> <td>Recommended Text</td> <td> <ul style="list-style-type: none"> • 1998, <i>Information and Communication Technology in Subject Teaching</i>, Canterbury College • David Murray 2003, <i>Inside Solidworks 2003</i>, OnWord Press and International Thomson Learning • David C. Planchard, Marie P. Planchard 2004, <i>Drawing and Detailing with SolidWorks</i> </td> </tr> </table>	Recommended Text	<ul style="list-style-type: none"> • 1998, <i>Information and Communication Technology in Subject Teaching</i>, Canterbury College • David Murray 2003, <i>Inside Solidworks 2003</i>, OnWord Press and International Thomson Learning • David C. Planchard, Marie P. Planchard 2004, <i>Drawing and Detailing with SolidWorks</i>
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Article/Paper List	This Course does not have any article/paper resources		
Other References	<ul style="list-style-type: none"> • http://www.solidworks.com <i>3D CAD Design Software SOLIDWORKS</i> 		