



**UNIVERSITI TEKNOLOGI MARA**

**JMC520: COMPUTER AIDED DESIGN 2**

<b>Course Name (English)</b>	COMPUTER AIDED DESIGN 2 <b>APPROVED</b>				
<b>Course Code</b>	JMC520				
<b>MQF Credit</b>	2				
<b>Course Description</b>	The course offers a basic skill of integration CAD 2D and CAD 3D software in design ideas development process. It focuses the concept and the importance of CAD software application as part in jewellery and metalsmithing designing process.				
<b>Transferable Skills</b>	Computerized 3D Design skill through relevant software.				
<b>Teaching Methodologies</b>	Lectures, Blended Learning, Inquiry-based Learning, Demonstrations, Practical Classes, Tutorial, Computer Aided Learning				
<b>CLO</b>	<p>CLO1 Apply the CAD system's knowledge as a tool of design and its importance in designing process.</p> <p>CLO2 Practice basic CAD/CAM skills in design work to produce wireframe modeling and 3D rendering in idea development process.</p> <p>CLO3 Organize the integration between CAD 2D and CAD 3D software skills to create 3D design in jewellery and metalwork design advertising.</p>				
<b>Pre-Requisite Courses</b>	No course recommendations				
<b>Reading List</b>	<table border="1"> <tr> <td><b>Recommended Text</b></td> <td> <ul style="list-style-type: none"> <li>• HOHS Academy 2003, <i>ArtCam Jewelsmith and Delcam Designer</i>, Ed., , officially certified Delcam Training London [ISBN: ]</li> <li>• Chris McMuhon, Jimmie Browne 1993, <i>CAD/CAM: From Principle to Practice</i>, Ed., , Addison-Wesley Publishing Company [ISBN: ]</li> </ul> </td> </tr> <tr> <td><b>Reference Book Resources</b></td> <td> <ul style="list-style-type: none"> <li>• Ann Marie Shillito 2013, <i>Digital Crafts: Industrial Technologies for Applied Artists and Designer Makers</i>, United Kingdom</li> <li>• Tien-Chien Chang, Richard A. Wysle, Hsu-Pin W 2005, <i>Computer Aided Manufacturing : Third Editi</i>, Ed., , Pearson Education, Inc [ISBN: ]</li> <li>• L.C. Molmari, M.C. Magarine, E.Bemporad 1988, <i>The Role of CAD/CAM in the Modern Jewellery B</i>, Ed., ,</li> </ul> </td> </tr> </table>	<b>Recommended Text</b>	<ul style="list-style-type: none"> <li>• HOHS Academy 2003, <i>ArtCam Jewelsmith and Delcam Designer</i>, Ed., , officially certified Delcam Training London [ISBN: ]</li> <li>• Chris McMuhon, Jimmie Browne 1993, <i>CAD/CAM: From Principle to Practice</i>, Ed., , Addison-Wesley Publishing Company [ISBN: ]</li> </ul>	<b>Reference Book Resources</b>	<ul style="list-style-type: none"> <li>• Ann Marie Shillito 2013, <i>Digital Crafts: Industrial Technologies for Applied Artists and Designer Makers</i>, United Kingdom</li> <li>• Tien-Chien Chang, Richard A. Wysle, Hsu-Pin W 2005, <i>Computer Aided Manufacturing : Third Editi</i>, Ed., , Pearson Education, Inc [ISBN: ]</li> <li>• L.C. Molmari, M.C. Magarine, E.Bemporad 1988, <i>The Role of CAD/CAM in the Modern Jewellery B</i>, Ed., ,</li> </ul>
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<b>Article/Paper List</b>	This Course does not have any article/paper resources				
<b>Other References</b>	<ul style="list-style-type: none"> <li>• CD-ROM O'Brian Lim S.L 2010, <i>Tutorial Book</i>, Malaysia</li> </ul>				