



**UNIVERSITI TEKNOLOGI MARA**

**JMD244: METALWARE DESIGN FABRICATION**

<b>Course Name (English)</b>	METALWARE DESIGN FABRICATION <b>APPROVED</b>				
<b>Course Code</b>	JMD244				
<b>MQF Credit</b>	5				
<b>Course Description</b>	This course introduces students to the various methods and techniques in functional metalware. This study focuses on produce and sketch new design and the ability to produce metalware products using several metalsmithing techniques of forming and fabrication. The relationship between design, creativity, craftsmanship and the use of materials will be discussed during critique sessions to demonstrate critical thinking and problem-solving skills among students.				
<b>Transferable Skills</b>	Critical Thinking and Problem Solving Lifelong Learning				
<b>Teaching Methodologies</b>	Lectures, Studio, Demonstrations, Workshop, Supervision				
<b>CLO</b>	CLO1 Display drawing and fabrication skills in metalware products. CLO2 Analyse issues and solution for metalware design ideation. CLO3 Demonstrate communicate skills in metalware design fabrication process. CLO4 Demonstrate autonomous learning in metalware design fabrication				
<b>Pre-Requisite Courses</b>	FUNDAMENTAL OF METAL FORMING (JMD235) METALWARE DESIGN FABRICATION (JMD244)				
<b>Reading List</b>	<table border="1"> <tr> <td><b>Recommended Text</b></td> <td> <ul style="list-style-type: none"> <li>Elizabeth Olver 2000, <i>The Jeweller's Directory of Shape and Form</i> [ISBN: 9781876142957]</li> <li>Oppi Untracht 1975, <i>Metal Techniques for Craftsmen</i>, Doubleday Books [ISBN: 9780385030274]</li> </ul> </td> </tr> <tr> <td><b>Reference Book Resources</b></td> <td> <ul style="list-style-type: none"> <li>Adolfo Mattiello, Judith Evans 1995, <i>Techniques of Jewelry Illustration and Color Rendering</i>, Du Matt Corporation [ISBN: 9780964419308]</li> <li>Keith Smith 2005, <i>Silversmithing</i>, Crowood Press [ISBN: 1861267983]</li> <li>Elizabeth Olver 2000, <i>Jewelry Design</i>, Northlight [ISBN: 1581800940]</li> </ul> </td> </tr> </table>	<b>Recommended Text</b>	<ul style="list-style-type: none"> <li>Elizabeth Olver 2000, <i>The Jeweller's Directory of Shape and Form</i> [ISBN: 9781876142957]</li> <li>Oppi Untracht 1975, <i>Metal Techniques for Craftsmen</i>, Doubleday Books [ISBN: 9780385030274]</li> </ul>	<b>Reference Book Resources</b>	<ul style="list-style-type: none"> <li>Adolfo Mattiello, Judith Evans 1995, <i>Techniques of Jewelry Illustration and Color Rendering</i>, Du Matt Corporation [ISBN: 9780964419308]</li> <li>Keith Smith 2005, <i>Silversmithing</i>, Crowood Press [ISBN: 1861267983]</li> <li>Elizabeth Olver 2000, <i>Jewelry Design</i>, Northlight [ISBN: 1581800940]</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><a href="http://www.lapidaryjournal.com/">http://www.lapidaryjournal.com/</a> Helen Driggs 2015, <i>Cool Tools and Hip Tips</i></li> <li><a href="http://www.riogrande.com/">http://www.riogrande.com/</a> Phillip Baldwin 2014, <i>How To Etch and Apply Patina To Metal</i></li> </ul>				