



UNIVERSITI TEKNOLOGI MARA

JMD235: FUNDAMENTAL OF METAL FORMING

Course Name (English)	FUNDAMENTAL OF METAL FORMING APPROVED		
Course Code	JMD235		
MQF Credit	3		
Course Description	This course is designed to introduce students to the fundamentals of metal forming includes working knowledge of metalsmithing and fabrication skills. Basic metal manipulation and developing proficiency with the tools of metal forming are essential to this course. The student will explore the elements of design, various materials, and techniques of metalwork with a variety of materials while developing the ability to execute simple metal designs and confidence to incorporate various metal components into the projects.		
Transferable Skills	Long Life Learning Skill, Managerial, Critical thinking and Problem-Solving skill		
Teaching Methodologies	Lectures, Demonstrations, Practical Classes, Workshop, Supervision, Project-based Learning		
CLO	CLO1 Demonstrate knowledge and skill in metal forming CLO2 Constructs metal forming projects according to work procedure. CLO3 Practice good work ethic upon completing quality metal forming finished works.		
Pre-Requisite Courses	No course recommendations		
Reading List	<table border="1"> <tr> <td>Recommended Text</td> <td> <ul style="list-style-type: none"> • Adolfo Mattiello, Judith Evans, Cy Cylkowski 1995, <i>Techniques of Jewelry Illustration and Color Rendering</i>, Du Matt Corporation [ISBN: 9780964419308] • Wing Mun Devenney, <i>The Art of Soldering for Jewellery Makers</i> [ISBN: 9781844489626] • Elizabeth Olver 2000, <i>Jewelry Design</i>, Northlight [ISBN: 1581800940] • Keith Smith 2005, <i>Silversmithing</i>, Crowood Press [ISBN: 1861267983] • Alex Austin 2004, <i>The Craft of Silversmithing</i>, Sterling Publishing Company [ISBN: 9781579904494] • Carles Codina 2003, <i>Goldsmithing & Silver Work</i>, Lark Books [ISBN: 1579903568] • Peter Parkinson 2001, <i>The Artist Blacksmith</i>, Crowood Press [ISBN: 1861264283] </td> </tr> </table>	Recommended Text	<ul style="list-style-type: none"> • Adolfo Mattiello, Judith Evans, Cy Cylkowski 1995, <i>Techniques of Jewelry Illustration and Color Rendering</i>, Du Matt Corporation [ISBN: 9780964419308] • Wing Mun Devenney, <i>The Art of Soldering for Jewellery Makers</i> [ISBN: 9781844489626] • Elizabeth Olver 2000, <i>Jewelry Design</i>, Northlight [ISBN: 1581800940] • Keith Smith 2005, <i>Silversmithing</i>, Crowood Press [ISBN: 1861267983] • Alex Austin 2004, <i>The Craft of Silversmithing</i>, Sterling Publishing Company [ISBN: 9781579904494] • Carles Codina 2003, <i>Goldsmithing & Silver Work</i>, Lark Books [ISBN: 1579903568] • Peter Parkinson 2001, <i>The Artist Blacksmith</i>, Crowood Press [ISBN: 1861264283]
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Article/Paper List	This Course does not have any article/paper resources		
Other References	This Course does not have any other resources		