



UNIVERSITI TEKNOLOGI MARA

EAD433: METAL FORMING

Course Name (English)	METAL FORMING APPROVED
Course Code	EAD433
MQF Credit	2
Course Description	This course is introduced as a basic foundation in metal forming and the creation of objects. The students are able to gain direct experience with a basic set of methods consistently through an extensive practice.
Transferable Skills	1. To evaluate the student ability in understanding material, techniques and vocabulary in silversmithing (C-2) 2. To evaluate the student ability on formalized in a design process in align material and technique (C-3, P-4) 3. To evaluate the student ability in demonstrates a proficient understanding in design process the use of specific metal forming. (A-3, P-4)
Teaching Methodologies	Demonstrations, Workshop
CLO	CLO1 To understand material, techniques and vocabulary in silversmithing CLO2 To formalized in a design process in align material and technique CLO3 To demonstrates a proficient understanding in design process the use of specific metal forming
Pre-Requisite Courses	No course recommendations
Topics	
1. 1. Course overview 1.1) 1.1 Walk through studio/workshop 1.2) 1.2 Handout (i-learn) discuss Project 1 1.3) 1.3 Assignment: Ideas for wares product	
2. 2. Introduction to Creative thinking 2.1) 2.1. Group critique on Mind mapping brainstorming 2.2) 2.2. Demo Metal-forming (Doming) technique 2.3) 2.3. Raising	
3. 3. Extraction of motifs/subject matter and development of ideas 3.1) 3.1. In progress design/idea critique (sketches)	
4. 4. Project Evaluation 4.1) 4.1. Critique on Project 1- Mock up 4.2) 4.2. Handout (i-learn) discuss Project 2	
5. 5. Creative thinking 5.1) 5.1. Assignment: Ideas for jewellery project 5.2) 5.2. Group critique on Mind mapping brainstorming 5.3) 5.3. Demo Metal-forming (Bending) technique 5.4) 5.4. Seaming	
6. 6. Extraction of motifs/subject matter and development of ideas 6.1) 6.1. In progress design/idea critique (sketches)	
7. 7. Project Evaluation 7.1) 7.1. Critique on Project 2 – Mock up	

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Final Project	Final Project	40%	CLO3
	Individual Project	1. Design Research Report (Concept, Theory, Sketches)	30%	CLO1
	Individual Project	Design and Product Development (Applied Skills)	30%	CLO2

Reading List	Recommended Text	<ul style="list-style-type: none"> • 1. Judith Crowe. 2006. <i>The Jeweler's Directory Of Gemstone By Crowe., A Firefly Book New York</i>
	Reference Book Resources	<ul style="list-style-type: none"> • 2. <i>Mechanical Metallurgy</i> By George Dieter, McGraw Hill, McGraw Hill • 3. William Seitz and Rupert Finegold. 1983. <i>Silversmithing., Krause Publications</i> • 4. Keith Smith. <i>Silversmithing: A Manual of Design and Techniques, The Crowood Press Ltd</i>
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	