



UNIVERSITI TEKNOLOGI MARA

ADE431: COOPER TOOLING

Course Name (English)	COOPER TOOLING APPROVED
Course Code	ADE431
MQF Credit	3
Course Description	The course introduces the students to materials, tools, techniques, and processes of copper tooling art.
Transferable Skills	Students will have to complete a variety of exercises and projects focuses on techniques, and finishing of copper tooling art.
Teaching Methodologies	Lectures, Demonstrations, Workshop
CLO	<p>CLO1 CO1: Acquire and apply knowledge of copper tooling technique on copper foil or any suitable metal foil. (C4)</p> <p>CLO2 CO2: Recognize copper tooling tools and their use throughout fabrication process. (P3)</p> <p>CLO3 CO3: Exhibit familiarity and competence with basic copper tooling skills. (A4)</p>
Pre-Requisite Courses	No course recommendations
Topics	
1. 1. Introduction to copper tooling	
1.1) 1.1 Copper tooling art 1.2) 1.2 Types of materials 1.3) 1.3 Tools and equipment	
2. 2. Workshop safety and regulation	
2.1) N/A	
3. 3. Exercise i	
3.1) 3.1 Introduction 3.2) 3.2 Line 3.3) 3.3 Shape 3.4) 3.4 Making process	
4. 4. Exercise ii	
4.1) 4.1 Introduction 4.2) 4.2 Form 4.3) 4.3 Texture 4.4) 4.5 Making process	
5. 5. Exercise iii	
5.1) 5.1 Introduction 5.2) 5.2 Tracing 5.3) 5.3 Image/design transferring 5.4) 5.5 Making process	
6. 6. Exercise iv	
6.1) 6.1 Introduction 6.2) 6.2 Types of finishing 6.3) 6.3 Making process	
7. 7. Final project	
7.1) 4.1 Introduction 7.2) 4.2 Design preparation 7.3) 4.3 Design selection 7.4) 4.4 Making process 7.5) 4.5 Finishing	

Assessment Breakdown		%	
Continuous Assessment		100.00%	

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Exercise on the different types of medium and material in rendering.	20%	CLO1
	Final Project	Visualised the ideas in rendering design to ensure that the standard align with the client requirements.	40%	CLO3
	Individual Project	Manage to differentiate the quality of tone color according to the requirements and standard in jewellery design.	40%	CLO2

Reading List	Recommended Text
	<ul style="list-style-type: none"> • Hill, B., and Putland, A., 2014, <i>Silversmithing A Contemporary Guide to Making.</i>, The Crowood Press. Brunswick, Maine. • Evan, J., 2013, <i>Jewelry Making for the beginners; A complete and easy step by step.</i>, Speedy Publishing • Richbourg, Kate Ferrant 2016, <i>Metalsmithing Made Easy: A Practical Guide to Cold Connections, Simple Soldering, Stone Setting, and More!</i>, Interweave.

Article/Paper List	This Course does not have any article/paper resources
Other References	<ul style="list-style-type: none"> • Website <i>diamond jeweler</i> http://www.diamondjewelersonline.com/ • Website <i>lapidary</i> http://www.lapidaryjournal.com/ • Website <i>riogrande</i> http://www.riogrande.com/ • Website <i>jewelry making</i> http://www.jewelry-making/ganoskin.com • Website <i>jewelry making</i> http://www.jewelry-making-instructions.c om