



UNIVERSITI TEKNOLOGI MARA

EAD431: CHAIN MAKING

Course Name (English)	CHAIN MAKING APPROVED
Course Code	EAD431
MQF Credit	2
Course Description	This course focuses on the skill in chain making and introduces the students to materials and processes. It requires the students to complete exercises and projects with different approach, precision and finishing.
Transferable Skills	Students able to recognize basic knowledge of chain making, metals forming and illustrate creative and innovative ideas in the fabrication of metalwork practice.
Teaching Methodologies	Lectures, Blended Learning, Studio, Demonstrations, Practical Classes
CLO	CLO1 Understand basic knowledge of chain making techniques. (C1) CLO2 Demonstrate knowledge of basic metals forming techniques. (P2) CLO3 Illustrate creative and innovative ideas in the fabrication of metalwork practice. (A4)
Pre-Requisite Courses	No course recommendations
Topics	
1. 1. Overview of the course 1.1) 1.1 Introduction to chain making 1.2) 1.2. Objective of the course	
2. 2. Introduction to workshop: 2.1) 2.1 Safety precaution 2.2) 2.2 Rules and regulation in the workshop	
3. 3. Introduction to tools, equipment and material 3.1) n/a	
4. 4. Introduction to basic chain making techniques 4.1) 4.1 The chains units 4.2) 4.2 Basic techniques of chain making 4.3) 4.2.1 Making plain link chain 4.4) 4.2.2 Joining link by fusion without solder 4.5) 4.2.3 Forming a twisting chain	
5. 5. Fabrication process 5.1) 5.1 Drawing wire 5.2) 5.2 Winding wire on mandrel 5.3) 5.3 Cutting and piercing links 5.4) 5.4 Filing and fittings jump ring 5.5) 5.5 Assembly and soldering jump ring 5.6) 5.6 Finishing and polishing	
6. 6. Fitting and Finding 6.1) 6.1 S-loop 6.2) 6.2 Simple hook 6.3) 6.3 Toggle clasp	
7. 7. Creating new design for chain: Practice projects 7.1) n/a	

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Understand basic knowledge of chain making techniques.	30%	CLO1
	Assignment	Illustrate creative and innovative ideas in the fabrication of metalwork practice	30%	CLO3
	Assignment	Demonstrate knowledge of basic metals forming techniques	40%	CLO2

Reading List	Recommended Text	<ul style="list-style-type: none"> • Glen Waszek 2001, <i>Making Silver Chains: Simple Techniques, Beautiful Designs</i> • Petersen. I. 1999, <i>Great Wire Jewelry: Projects & Techniques</i>, Lark Books Sterling Publishing. • Revere, A. 2001, <i>The Art Jewelry Making Classic & Original Design</i>, Sterling Publishing Company, New York.
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Article/Paper List	This Course does not have any article/paper resources
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Other References	This Course does not have any other resources
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