



UNIVERSITI TEKNOLOGI MARA

EAD451: RAKU

Course Name (English)	RAKU APPROVED
Course Code	EAD451
MQF Credit	2
Course Description	This course will be engaging students to the history, knowledge and technical skills of basic Raku firing process. Students will be exposed to fundamental safety procedures in performing Raku firing based on lecturer in charge supervision. Apart from that, this course will be discussing on the knowledge of preparing Raku firing graph, glaze preparation and creative forming projects.
Transferable Skills	Glazing, Loading & Firing
Teaching Methodologies	Lectures, Studio, Demonstrations, Workshop
CLO	CLO1 Illustrate the knowledge of Raku firing concept and procedures. CLO2 Identify (C1,C4) Raku firing process (A1,A4) in studio ceramic production (PO3) CLO3 Perform (C2) Raku firing according to studio ceramic production process (A2,A5)
Pre-Requisite Courses	No course recommendations
Topics	
1. 1. Introduction to Raku 1.1) 1.1 Definition and terminology of Raku firing 1.2) 1.2 Brief History on Japanese Tea Ceremony and Zen Tea Bowl	
2. 2. Clay Forming 2.1) 2.1 Materials application and techniques 2.2) 2.2 Drying process 2.3) 2.3 Fault and remedies	
3. 3. Glazing theory 3.1) 3.1 Basic Glaze components and formulation 3.2) 3.2 Glaze reaction during firing 3.3) 3.3 Raku Glazing parameter, preparation and application technique	
4. 4. Kiln – Principles of Design 4.1) 4.1 Preliminary considerations 4.2) 4.2 Kiln Design Principles 4.3) 4.3 High altitude adjustment 4.4) 4.4 Introduction to Tools and Equipment 4.5) 4.5 Kiln construction & partition 4.6) 4.6 Technical consideration in Raku firing process	

Assessment Breakdown		%	
Continuous Assessment		100.00%	

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Assignment 1	30%	CLO1
	Assignment	Assignment 2	30%	CLO2
	Individual Project	Final Product	40%	CLO3

Reading List	Recommended Text	<ul style="list-style-type: none"> • Steven Branfman 2012, <i>Mastering Raku: Making Ware * Glazes * Building Kilns * Firing March</i>, A Lark Ceramics Book 6 • Allen Dinsdale; ,1993. 1993, <i>Sains Tembikar (Bahan, proses dan hasilan)</i> • Cardew Michael 2002, <i>Pioneer Pottery</i>, A&C Black Publishers Ltd • Frank and H. Janet 2004, <i>The Potter's Dictionary of Materials and Techniques</i>, 5th Ed., A&C Black London • Quinn Anthony 2007, <i>The Ceramics Design Course</i>, 1st Ed., Thames & Hudson Ltd London • Warshaw Josie 2003, <i>The Practical Potter a step by step Handbook</i>, Hermes Houses London
	Reference Book Resources	<ul style="list-style-type: none"> • Anderson Turner 2011, <i>Raku, Pit & Barrel: Firing Techniques</i> „ The American Ceramic Society
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	