



UNIVERSITI TEKNOLOGI MARA

CDT302: CREATIVE CAST WARE

Course Name (English)	CREATIVE CAST WARE APPROVED
Course Code	CDT302
MQF Credit	5
Course Description	This course concentrates on design methodology, projects management, skill, creative thinking, casting, glazing technique, surface treatment and firing. Design survey will be advantage for students to enhance their knowledge and creativity in various fields of ceramics manufacturing.
Transferable Skills	Industrial Ceramic Design Development Model making Mould making Casting & Finishing
Teaching Methodologies	Lectures, Studio, Discussion, Presentation, Workshop, Supervision
CLO	CLO1 1. Recognize basic fundamental of design, application of design process and developmental of ideas CLO2 2. Demonstrate the procedure of cast ware including model making, molding, casting, industrial decoration, glazing and firing process CLO3 3. Create creative cast products and visual presentation
Pre-Requisite Courses	No course recommendations
Topics	
1. Design By Project 1.1) 1.1 Ideation 1.2) 1.2 New product development 1.3) 1.3 Sketching of Ideas/Working Drawing	
2. Design Process and Developmental Ideas 2.1) 2.1 Design Shape and Form 2.2) 2.2 Form And Function/Ergonomics 2.3) 2.3 Drawing from 2D to 3D 2.4) 2.4 Critic /Brainstorming session	
3. Design Process and Developmental Ideas 3.1) 3.1 Design Shape and Form 3.2) 3.2 Form And Function/Ergonomics 3.3) 3.3 Drawing from 2D to 3D 3.4) 3.4 Critic /Brainstorming session	
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6. Model Making Process 6.1) 6.1 Prototype/Modeling, proportion and surface quality. 6.2) 6.2 Different modeling techniques: hand sculpted, using lathe machine or wheeler machine. 6.3) 6.3 Development, modification and finishing (model)	

7. Mid Term Break 7.1) 7.1 Mid Term Break
8. Model Making Process 8.1) 8.1 Prototype/Modeling, proportion and surface quality. 8.2) 8.2 Different modeling techniques: hand sculpted, using lathe machine or wheeler machine. 8.3) 8.3 Development, modification and finishing (model)
9. Model Making Process 9.1) 9.1 Prototype/Modeling, proportion and surface quality. 9.2) 9.2 Different modeling techniques: hand sculpted, using lathe machine or wheeler machine. 9.3) 9.3 Development, modification and finishing (model)
10. Mould Making Process 10.1) 10.1 Different moulding types: piece of mould. 10.2) 10.2 Modification and finishing mould
11. Mould Making Process 11.1) 11.1 Different moulding types: piece of mould. 11.2) 11.2 Modification and finishing mould
12. Mould Making Process 12.1) 12.1 Different moulding types: piece of mould. 12.2) 12.2 Modification and finishing mould
13. Slip Casting & Bisque Firing 13.1) 13.1 Slip cast body preparation and slips casting 13.2) 13.2 Finishing green ware and dry ware 13.3) 13.3 Preparing Bisque firing /packing 13.4) 13.4 Decoration
14. Decorating 14.1) 14.1 Decoration process: Under glaze, hand painted, Stencil and others 14.2) 14.2 Finishing 14.3) 14.3 Bisque and glaze firing
15. Glazing and Firing 15.1) 15.1 Preparing glaze materials 15.2) 15.2 Glaze test and On glaze / Decal 15.3) 15.3 Glazing Final Product and Firing Process
16. Study Week 16.1) 16.1 Study Week
17. Final Project Presentation & Assessment 17.1) 17.1 2D Visual Presentation 17.2) 17.2 3D Work Progress & Presentation

Assessment Breakdown		%		
Continuous Assessment		100.00%		
Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Final Project	2D Paperwork	20%	CLO3
	Final Project	3D Work	20%	CLO3
	Individual Project	Idea, Design & Sketches	20%	CLO1
	Individual Project	Process & Technical Skill	40%	CLO2
Reading List	Recommended Text	<ul style="list-style-type: none"> • LOUISA TAYLOR 2011, <i>CERAMICS</i>, W&V PRESS [ISBN: 9789810892500] • Anthony Quinn 2007, <i>The ceramics design course</i>, Thames & Hudson London [ISBN: 9780500286890] • Andrew Martin, <i>The Essential Guide to Mold Making & Slip Casting</i>, Lark Books [ISBN: 9781600590771] • Duncan Hooson, <i>Workshop Guide to Ceramics</i>, Thames & Hudson [ISBN: 9780500516218] 		
Article/Paper List	This Course does not have any article/paper resources			
Other References	This Course does not have any other resources			