UNIVERSITI TEKNOLOGI MARA

CDT310: DIPLOMA PROJECT II (CERAMIC ART)

Course Name (English)	DIPLOMA PROJECT II (CERAMIC ART) APPROVED
Course Code	CDT310
MQF Credit	6
Course Description	This course concentrates on basic design process, projects understanding, skill,, glazing technique, surface treatment and firing. Academic visit is required to enhance the student knowledge and creativity in various fields of ceramics manufacturing. For example; clay base industry and ceramic art exhibition.
Transferable Skills	Differentiate the fundamental of basic design process and development of ideas.Explain the art of creative using the basic principle and elements of design. Demonstrate skill on throwing technique, firing and glazing. Also understand basic ceramic materials for ceramic production.Justify the use of handling machinery in ceramic
Teaching Methodologies	Lectures, Studio, Demonstrations, Practical Classes, Presentation, Workshop
CLO	CLO1 1) Differentiate the fundamental of basic design process and developmental of ideas. Developed drawing skill and CAD cam. CLO2 2) Explain the art of creative ceramic using the basic principle and elements of design. CLO3 Demonstrate skill on throwing technique, firing and glazing. Also understand basic ceramic materials for ceramic production. CLO4 Justify the use of handling machineries in ceramic
Pre-Requisite Courses	No course recommendations

Topics
1. Design by Project 1.1) • Theme project 1.2) • Ideation II-continuous project 1.3) • New product development 1.4) • Sketching of Ideas/Working drawing
2. Design Process and Developmental Ideas I 2.1) • Working drawing/sketches of idea's II 2.2) • Design Shape and Form 2.3) • Subject matter 2.4) • Data collection (research and product reference) 2.5) • Development idea
3. Design Process and Developmental Ideas II 3.1) • Sketching on developmental of ideas II 3.2) • Drawing from 2 D to 3 D 3.3) • Critic session 3.4) • Final Ideation on Idea's II 3.5) • Constructing technical drawing
4. Clay Forming and Development of Idea I 4.1) • Mock up made to scale, proportion, profile and surface quality. 4.2) • Working with Throwing wheel machine 4.3) • Sketches on development of ideas
5. Academic Visit to Related Field 5.1) • Academic visiting in related field such as industrial ceramics factory, muzeum, design related outlet, exhibition etc.

6. Clay Forming and Development of Idea I 6.1) • Proportion,profile and surface quality 6.2) • Working with Throwing wheel machine 6.3) • Glaze Test
7. Mid Term Break 7.1) n/a
8. Clay Forming and Development of Idea II 8.1) • Proportion, 8.2) profile and surface quality 8.3) • Working with Throwing wheel machine 8.4) • Glaze Test
9. Clay Forming, bisque and Glaze Firing I 9.1) • Clay forming and finishing 9.2) • Glaze application
10. Clay Forming , bisque and Glaze Firing III 10.1) • Clay forming and finishing 10.2) • Glaze preparation 10.3) • Kiln Packing
11. Finishing 11.1) • Glaze Application and finishing on product 11.2) • Kiln Packing
12. Bisque and Glaze Firing 12.1) • Bisque firing 12.2) • Glaze preparation 12.3) • Glaze finishing
13. Glaze Firing 13.1) • Kiln Packing 13.2) • Electric Kiln Firing 13.3) • Gas Kiln Firing
14. Glaze Firing and Final Project Preparation 14.1) • Glaze Firing 14.2) • Finishing on final project
15. Final Project Presentation 15.1) • Report 15.2) • Design portfolio(design sketches, technical drawing) 15.3) • Research and references.(product and subject matter research, test pieces etc.) 15.4) • 3 dimentional work 15.5) • 2 dimentional work (final drawing, Computer aplication design etc.)
16. study week 16.1) n/a
17. Final Assessment and Presentation 17.1) all project submit.

Assessment Breakdown	%
Continuous Assessment	60.00%
Final Assessment	40.00%

Details of Continuous Assessment

Assessment Type	Assessment Description	% of Total Mark	CLO
Individual Project	Design Sketches 20% Idea and Creativity 20% Technical Skill 20%	60%	CLO1 , CLO2 , CLO3

Reading List

Reference Book Resources

- **Anthony Quinn 2007, *The Ceramics Design Course*, Thames & Hudson London [ISBN: 9780500286890]**
- **Duncan Hooson,Anthony Quinn, *The Workshop Guide to Ceramics*, Thames Hooson and Anthony Quinn London [ISBN: 9780500516218]**
- **Louisa Taylor, *Ceramics*, Words & Visuals Press Singapore [ISBN: 9789810892500]**
- **Susan Peterson,Jan Peterson 2003, *The Craft and Art of Clay*, Laurence King Publishing [ISBN: 9781856693547]**
- **Paak,. Carl E 2003, *The decorative touch : How to Decorate, Glaze and Fire Your Pots.*, Englewood Cliffs,. New Jersey : Prentice Hall**

Article/Paper List: This Course does not have any article/paper resources

Other References: This Course does not have any other resources