



UNIVERSITI TEKNOLOGI MARA

CID650: INDUSTRIAL CERAMIC DEGREE PROJECT

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| Course Name (English) | INDUSTRIAL CERAMIC DEGREE PROJECT APPROVED |
| Course Code | CID650 |
| MQF Credit | 5 |
| Course Description | This course is complying with the needs of critical thinking of planning, process and design by transmitting data from the current studied and findings. Through the process, the knowledge will be broadening up by studying similar scope or concept from the existing design case in the industry. Implementing new ways of working, new markets or new technologies and work towards breaking new ground in own field. In addition, closely examine appropriate presentation skills to promote design work in a competitive market. This in fact provides the opportunity to innovate a sphere of the design world, supported by the elements of creativity and innovation. Emphasis will be on a small batch production including developing design criteria, formulating designs for multiple productions by considering manufacturing and marketing strategies that will resulting progressive creativity and continuous innovation; how designers think and work and how innovation can be encouraged by environmental and management factors. |
| Transferable Skills | Industrial Ceramic Design and Processes |
| Teaching Methodologies | Lectures, Discussion, Presentation, Workshop |
| CLO | <p>CLO1 Construct the important elements and concepts based on the previous project resource.</p> <p>CLO2 Build a prototype based on design works in an applicable manner to be carried out onto the final presentation (visually/verbally).</p> <p>CLO3 Explain logical fallacies in reasoning fabricating process by using logical deduction</p> |
| Pre-Requisite Courses | No course recommendations |
| Topics | |
| 1. Individual Discussion | |
| 1.1) Case Study (Design Problem/ Issues) | |
| 1.2) Surface Design Study (3 dimensional formalization) | |
| 2. Development Skill | |
| 2.1) Creative Process | |
| 3. Ideation Skills & Studies On Related Designer | |
| 3.1) Design Development and data recording through progress | |
| 3.2) Concept/Technique/Process | |
| 4. Fabricating Plan | |
| 4.1) Technical plan | |
| 5. Re-production Procedure | |
| 5.1) Mould Finishing, Material Preparation, Surface | |
| 6. Production Process Flow | |
| 6.1) Slip Casting Process | |
| 7. Production Process Flow | |
| 7.1) Cast ware Inspection, Colour Study | |
| 8. Product Finishing | |
| 8.1) Glaze preparation | |

9. Product Finishing

9.1) Firing

10. Quality Control

10.1) Product Inspection

| Assessment Breakdown | | % | |
|-----------------------|--|---------|--|
| Continuous Assessment | | 100.00% | |

| Details of Continuous Assessment | Assessment Type | Assessment Description | % of Total Mark | CLO |
|----------------------------------|--------------------|------------------------|-----------------|------|
| | Final Project | Final Assessment | 60% | CLO3 |
| | Individual Project | Progress assessment 1 | 20% | CLO1 |
| | Individual Project | Progress assessment 2 | 20% | CLO2 |

| Reading List | Recommended Text | <ul style="list-style-type: none"> • Anthony Quinn 2007, <i>The Ceramic Design Course</i>, Thames & Hudson Ltd London [ISBN: 13: 978050028] • Jacqui Atkin 2009, <i>250 Tips, Techniques, and Trade Secrets for Potters</i>, Barron's Educational Series [ISBN: 0-7641-4116-3] • RotoVision 2003, <i>Materials for Inspirational Design</i> [ISBN: 978-288046668] • Chris Lefteri, <i>Ceramics: Materials for Inspirational Design</i>, Rotovision [ISBN: 9782880466688] • Jim Lesko 2011, <i>Industrial Design: Materials and Manufacturing Guide</i>, 2 Ed., John Wiley & Sons [ISBN: 9781118174173] |
|---------------------------|---|---|
| | Reference Book Resources | <ul style="list-style-type: none"> • Dan Cuffaro, Isaac Zaksenberg 2013, <i>The Industrial Design Reference & Specification Book: Everything Industrial Designers Need to Know Every Day</i>, 1 Ed., Rockport Publishers [ISBN: 9781610587891] |
| Article/Paper List | This Course does not have any article/paper resources | |
| Other References | This Course does not have any other resources | |