



## UNIVERSITI TEKNOLOGI MARA

### CDT221: CERAMIC TECHNICAL DRAWING

<b>Course Name (English)</b>	CERAMIC TECHNICAL DRAWING <b>APPROVED</b>
<b>Course Code</b>	CDT221
<b>MQF Credit</b>	2
<b>Course Description</b>	This course concentrates on basic technical drawing. The main objective of this course is to develop student's knowledge in understanding of technical drawing. Student will expose with the element of technical drawing such as variety of line, dimension, writing, cleanliness and drawing proportion.
<b>Transferable Skills</b>	basic technical drawing for 3D works
<b>Teaching Methodologies</b>	Lectures, Studio, Demonstrations, Practical Classes
<b>CLO</b>	CLO1 Recognize basic knowledge in technical drawing CLO2 Demonstrate skill in technical drawing CLO3 Apply technical drawing base on assigning project
<b>Pre-Requisite Courses</b>	No course recommendations
<b>Topics</b>	
<b>1. Introduction to Technical Drawing</b> 1.1) Course Brief 1.2) Project Brief	
<b>2. Introduction to Line</b> 2.1) Horizontal, Vertical and Diagonal line	
<b>3. Introduction to Lettering</b> 3.1) Creating Drawing Template 3.2) Alphabet and Numbering	
<b>4. Angle</b> 4.1) Construction angle	
<b>5. Geometric Shape</b> 5.1) Construction of geometric shape	
<b>6. Polygon</b> 6.1) Construction of polygon	
<b>7. Tangent and ellipse</b> 7.1) Construction of tangent 7.2) Types of ellipse and Isometric ellipse	
<b>8. Orthographic View</b> 8.1) Introduction to Orthographic drawing.	
<b>9. Orthographic view</b> 9.1) Continuous project	
<b>10. Final Project 1 - Orthographic drawing</b> 10.1) Orthographic drawing.	
<b>11. Final Project 1 - Orthographic drawing</b> 11.1) Continuous project	
<b>12. Final Project 1 - Orthographic drawing</b> 12.1) Continuous project	
<b>13. Final Project 2 - Ceramic Industrial Work</b> 13.1) Ceramic Industrial orthographic view drawing.	



Assessment Breakdown	%
Continuous Assessment	60.00%
Final Assessment	40.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Introduction to line	10%	CLO1 , CLO2
	Assignment	Introduction to lettering	10%	CLO1 , CLO2
	Assignment	Angle	10%	CLO2
	Assignment	Geometric shape and Polygon	10%	CLO2
	Assignment	Tangent and Ellipse	10%	CLO2
	Assignment	Orthographic view	10%	CLO2

Reading List	Recommended Text
	<ul style="list-style-type: none"> <li>• 1986, <i>Technical Drawing</i>, Simon &amp; Schuster Books For Young Readers [ISBN: 0023426004]</li> <li>• David L. Goetsch, John A. Nelson, <i>Technical Drawing and Design</i> [ISBN: 0827322232]</li> <li>• Martha Sutherland 1989, <i>Lettering for Architects and Designers</i>, Wiley [ISBN: 0471289558]</li> <li>• Gary Thorne 2009, <i>Technical Drawing for Stage Design</i>, Crowood Press (UK) [ISBN: 9781847971517]</li> <li>• Bert Bielefeld, Isabella Skiba 2007, <i>Basics Technical Drawing</i>, Birkhauser [ISBN: 9783764376444]</li> <li>• John R. Walker 2000, <i>Exploring Drafting</i>, Goodheart-Willcox Pub [ISBN: 1566375657]</li> </ul>

<b>Article/Paper List</b>	This Course does not have any article/paper resources
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<b>Other References</b>	This Course does not have any other resources
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