## UNIVERSITI TEKNOLOGI MARA
**IDT115: INTRODUCTION TO COMPUTER AIDED DESIGN**

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| **Course Name (English)** | INTRODUCTION TO COMPUTER AIDED DESIGN   APPROVED |
| **Course Code** | IDT115 |

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| **MQF Credit** | 2 |

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| **Course Description** | This course is a digital type of technical drawing course, to give understanding to students in order for them to produce technical drawing using computer-aided software. This course explained the significant of technical drawing as a standard drawing which is used in the product manufacturing. It is also used in other discipline such as engineering, architecture, interior design and other related fields. Students will be introduced and trained to digitally draw (technical drawing) and the training will be extended to following semester in Computer Aided Industrial Design II course. These aspects concentrate in: • Theory and method of CAD • 2-Dimensional and 3-Dimensional drawing such as detailing, lines, dimensioning, orthographic, isometric, exploded, cross-section and assembling. |

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| **Teaching Methodologies** | Lectures, Studio, Demonstrations, Tutorial, Discussion |

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| **CLO** | CLO1  Demonstrate basic technical drawing based on programmed CAD software.<br>CLO2  Conduct basic calculations, estimation in drawing.<br>CLO3  Carry out technical drawing exercise from 2-dimensional and 3-dimensional in the form of student's project by certain subject that can be detected through a model making and prototype. |

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| **Pre-Requisite Courses** | No course recommendations |