UNIVERSITI TEKNOLOGI MARA

JMD358: COMPUTER AIDED DESIGN ADVANCE

Course Name (English)	COMPUTER AIDED DESIGN ADVANCE APPROVED
Course Code	JMD358
MQF Credit	3
Course Description	The course is designed to help students in acquiring advanced knowledge in 2D and 3D software including dimensioning, designing, rendering, and presentation. Students will be equipped with the skills to solve drawing problems and execute presentation drawings using drafting and design software. This course emphasizes completing the task given using the method acquired during the introductory and intermediate levels.
Transferable Skills	1. Critical thinking & problem solving 2. Life long learning
Teaching Methodologies	Lectures, Studio, Tutorial, Computer Aided Learning, Project-based Learning
CLO	CLO1 Apply advanced knowledge of 2D and 3D design software to assist in providing solutions to fine metal design courses. CLO2 Manipulates 3D design software tools and functions to simulation 3-dimensional design rendering. CLO3 Demonstrate autonomous learning in simulating in 3D design software.
Pre-Requisite Courses	No course recommendations
Reading List	**Reference Book Resources** • **David Murray, *Inside SolidWorks* [ISBN: 1-56690-184-7]** • **Gregory Jankowski,David Murray 2000, *SolidWorks for AutoCAD Users*, Onword Press [ISBN: 1-56690-191-X]** • **Kuang-Hua Chang 2014, *Product Design Modeling Using CAD/CAE : The Computer Aided Engineering Design Series (Computer Aided Engineering Design)* Academic Press US [ISBN: 9780123985132]** • **Sarkar, Jayanta 2014, *Computer Aided Design : A Conceptual Approach* [ISBN: 9781482208795]** • **Matt Lombard 2017, *Mastering Solidworks 2017* [ISBN: 9781119300571]** • **David Planchard 2014, *Drawing and Detailing with SolidWorks 2014* [ISBN: 1585038458]**
Article/Paper List	This Course does not have any article/paper resources
Other References	This Course does not have any other resources