UNIVERSITI TEKNOLOGI MARA

INA514: 3D COMPUTER AIDED DESIGN

Course Name (English)	3D COMPUTER AIDED DESIGN APPROVED
Course Code	INA514

MQF Credit	2

Course Description	This course is intended to provide skills on 3D CAD software at advanced level. Students will learn how to manage, organize and explore the potentials of the system to enhance their visualization skills.

Transferable Skills	3D maker

Teaching Methodologies	Lectures, Demonstrations, Tutorial

CLO	CLO1 Apply the vocabulary of basic software components and commands of 3D CAD. CLO2 Produce 3 dimensional models and renderings of interior space and elements and applying camera function CLO3 Demonstrate key-frame 3D animation technique, and present 3D Visuals using presentation software.

Pre-Requisite Courses	No course recommendations

Reading List	**Recommended Text**	• Lockard, W.K. 1982, *Design Drawing. Revised Edition*, NY: Van Nostrand Reinhold Co. Inc. • F.D.K. Ching. 1991, *Building Construction Illustrated*, New York: John Wiley & Sons, Inc. • My Cad Site. 2009, *48 Free Autocad Tutorials. A Complete Course*, http://www.we-r-here.com/cad/tutorials/index. • Leinbach, R.B. 1990, *Visualization Techniques*, 2 Ed., New Jersey: Prentice Hall Inc. • Dalley, T 1980, *The Complete Guide to Illustration & Design T*, London: Phaidon Press Ltd. • Kennedy, E.L. 1996, *CAD Drawing, Design, Data Management.*, NY: Wfiltney Library of Design. • Ballast, D.K. 1996, *Practical Guide to Computer Applications for*, New Jersey: Prentice Hall. • Teichoz and Eric 1985, *CAD/CAM Handbook*, NY: McGraw Hill.
	Reference Book Resources	• Randy, H. Shih. 2008, *AutoCAD 2008 Tutorial*, Oregon, USA: Schroff Development Corporation • About.com. 2009, *Learning Canvas Canvas Tutorials and Tips*, http://graphicssoft.about.com/od/canvastutori
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	