

**Interior Design Engineering Program
Architecture and Interior Design Engineering
Department
College of Engineering, Majmaah University**

Report on

IDE LAB EQUIPMENT

Prepared by

IDE Laboratories and IT Committee

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IDE LAB EQUIPMENT

Lab Name	Computer Lab 1	
Place	044-0-1	
Courses Taught in the Lab	PCOM 113: introduction to computer	
	IDE150: Computer-Aided Drafting	
	IDE 251: Computer-Aided Modeling	
Skills acquired in the lab	<ul style="list-style-type: none"> ▪ Proficiency in using computer systems for academic and technical applications ▪ Practical skills in design and drafting software such as AutoCAD, Revit, and SketchUp. ▪ Proficiency in using Microsoft and other productivity tools for data handling and documentation ▪ Using digital tools to solve problems and collaborate 	
List of Equipment	32	Lenovo ThinkStation Tiny
	32	HP EliteDisplay 32-inch

Lab Name	Computer Lab 2	
Place	044-0-24	
Courses Taught in the Lab	PCOM 113: introduction to computer	
Skills acquired in the lab	<ul style="list-style-type: none"> ▪ Proficiency in using computer systems for academic and technical applications ▪ Practical skills in design and drafting software such as AutoCAD, Revit, and SketchUp. ▪ Proficiency in using Microsoft and other productivity tools for data handling and documentation ▪ Using digital tools to solve problems and collaborate 	
List of Equipment	30	Lenovo ThinkStation Tiny
	30	HP EliteDisplay 32-inch

Lab Name	Digital Fabrication and Printing Lab	
Place	044-0-15	
Courses Taught in the Lab	-----	
Skills acquired in the lab	<ul style="list-style-type: none"> ▪ Proficiency in using digital design software for fabrication, such as Fusion 360, Illustrator, and CoreIDRAW ▪ Obtaining and optimizing files for 3D printing, laser cutting, and engraving. ▪ Understanding of material characteristics and choosing suitable materials for 3D printing and laser cutting. ▪ Understanding the use of machine settings for accurate fabrication. ▪ Practical experience in turning digital designs into precise physical models. 	
List of Equipment	2	XTE-1390 Laser Cutting and Engraving Machine
	1	Ultimaker 3D Printer

Lab Name	Digital Design and Printing Lab	
Place	044-0-5	
Courses Taught in the Lab	-----	
Skills acquired in the lab	<ul style="list-style-type: none"> ▪ Plotting and large-format printing methods. ▪ Making digital files ready and optimized for high-resolution output. ▪ Understanding of printing materials and their uses ▪ Converting digital designs into accurate physical products. 	
List of Equipment	2	Epson Large Format Plotter Printer