FAKULTI PENGURUSAN DAN INDUSTRI HALAL

| PROGRAM | Diploma in Halal Product Manufacturing |
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| COURSE NAME | Manufacturing Drawing |
| COURSE CODE | DHM 3013 |
| CREDIT HOUR | 3 |
| SYNOPSIS | This subject is aim to provide the students with a basic 2D drawing skills using a computer aided design such as AutoCAD. This software can produce high quality 2D drawing which is important in technical fields. Students will be able to apply this skill to produce their own technical drawings for project implementations and requirements. |

COURSE STRUCTURE

| CHAPTER | TOPICS |
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| 1 | **Introduction to AutoCAD**<br><br>1.1 Fundamental CAD concepts<br>1.2 AutoCAD interface<br>1.3 Quick start tutorial – start a new drawing |
| 2 | **Drafting skills: Drawing with AutoCAD**<br><br>2.1 Controlling the drawing display<br>2.2 Basic drawing commands<br>2.3 Drawing tools and drafting settings<br>2.4 Managing object properties |
| 3 | **Understanding editing techniques: Basic through advanced**<br><br>3.1 Understanding editing techniques: Basic through advanced<br>3.2 Advanced editing techniques – perform complex operations |
| 4 | **Working with complex objects**<br><br>4.1 Drawing and editing complex objects<br>4.2 Pattern fills and hatching |
| 5 | **Annotating drawings**<br><br>5.1 Adding text<br>5.2 Working with tables<br>5.3 Dimensioning drawings |

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| **6** | **Outputting work** <br><br> 6.1 Managing paper space layout <br> 6.2 Plotting and publishing |
| **7** | **Introduction to plan layout related to Halal Industry** <br><br> 7.1. Plan layout of building <br> 7.2. Sketching of 2D floor plan |
| **8** | **Final project assignment** |
| **9** | **Presentation of final project** |
| **References:** | 1.     Tutorial Guide to AutoCAD 2017, 2D Drawing, 3D Modeling, SDC Publications. ISBN: 978-1-63057-043-9 <br> 2.     Ahmad Tarmizi. (2016). Panduan Pemula AutoCAD. Kuala Lumpur: SAM Synergy Sdn Bhd. ISBN : 9789674443955 |