

## DESCRIPTION OF COURSE MODULES

### 14 DESCRIPTION OF COURSE MODULES FOR SEMESTER I

#### 8.1 Description of Module 1

8.1.1 Code: MEU 07101

8.1.2 Name: Engineering Drawing

8.1.3 Number of Credits: 6

#### 8.1.4 Sub enabling outcome:

- [2.1.5] Identify different symbols and standards for engineering drawings
- [2.1.6] Describe use of symbols and standards for engineering drawings
- [2.1.7] Prepare different types of drawings of machine components
- [2.1.8] Prepare drawings of different engineering structures
- [2.5.1] Interpret engineering drawings of machine components and structures

8.1.5 Prerequisite module: None

#### 8.1.6 Learning Context:

The module will be conducted through Lectures, tutorials and labs.

#### 8.1.7 Learning materials:

Chalkboard, Overhead Projectors, flip charts, Audio Visual,

#### Required References

- [1] Green P. (2007), The Mechanical Engineering Drawing Desk Reference: Creating and Understanding ISO Standard Technical Drawings, 1st Edition, Create Space Independent Publishing Platform.
- [2] Madsen D. A. and Madsen D. P. (2011), Engineering Drawing and Design, 5th Edition, Delmar Cengage Learning.
- [3] Madsen D. A. (2006), Engineering Drawing and Design, 4th Edition, Delmar Cengage Learning Publishing.
- [4] Dhawan R. K. (2014), Textbook of Engineering Drawing & Graphics, Kindle Edition, S Chand Press.
- [5] Giesecke F. E. (2011), Technical Drawing with Engineering Graphics, 14th Edition, Peachpit Press.

## 8.0 MODULES SUMMARY

Table 3: Module Summary Semester I

Code	Module Title	Scheme of Study, hrs/wk			AS	Credit
		L	T	P		
FUNDAMENTAL MODULES						
ETU 07101*	Analogue Electronics	2	1	2	1	9
GSU 07101*	Calculus	2	1	-	1	6
CSEU 07102*	Computer Programming Fundamentals	2	-	3	1	9
GSU 07105*	Computing using Mathematical Software	2	-	2	-	6
EEU 07101*	Electrical Circuit Analysis	2	1	2	1	9
EEU 07104*	Principles of Electrical Machines	1	1	-	2	6
GSU 07106*	Technical Communication Skills	2	1	-	1	6
CORE MODULES						
MEU 07101	Engineering Drawing	1	2	-	1	6
MEU 07102	Materials Technology	2	-	1	1	6
MEU 07103	Strength of Materials	2	-	-	2	6
MEU 07104	Systems Reliability and Plant Maintenance	2	-	1	1	6
Sub Total contact hrs/wk		21	5	6	13	
Total contact hrs/wk		32				
Total credit						75

\*Details of sub-enabling outcomes of these modules are found in the respective department CIR's.