**IPE- 381 for ME**

**(1 credit)**

**Course plan**

Topics

1-- Introduction to Metrology

2 -- Linear & Angular Measuring Instruments

3 -- Limit-Fit-Tolerance

Class test 1

4 -- Gauges and Gauge Design

5 -- Non Destructive Testing

6 -- Screw thread

7 -- Regression analysis

Class test 2

8 -- Quality management basics

9 -- Quality management -- Control charts

10 -- Acceptance Sampling Plan

Review

Course teacher

A.B.M. Mainul Bari

Assistant Professor

Dept. of IPE, BUET

Reference books

1. **Engineering Metrology -- by R.K. Jain**
2. **Quality Control and Management -- by Ahsan Aktar Hasin**

\*\* All the class lectures/handout and class test marks will be available at ---<http://teacher.buet.ac.bd/teacher/mainulbari>