

## **Course outline**

- The nature of statistics
- Organising data
- Probability
- Hypothesis tests for one population
- Descriptive methods in regression and correlation
- Analysis of variance (ANOVA)
- Computer applications in Statistics MiniTab
- Multiple regression analysis

## **References**

1. Douglas C. Montgomery and George C. Runger (2002). Applied Statistics and probability for Engineers. 3rd Edition, John Wiley and Sons
2. Paul Wright, (1994). Introduction to Engineering, 2<sup>nd</sup> edition,
3. Craver Schroder Tarquin, (1987). Introduction to Engineering, Holt, Rinerhart and Winston international Ed(1987). Ted Buchholz, Orlando, FL.
4. Neil A. Weiss (2002). Introductory Statistics, 6th Edition, Addison-Wesley, USA