

COURSE CODE: DATAENG

COURSE TITLE: Engineering Data Analysis

DEPARTMENT: Chemical Engineering

TEXTBOOK:

Montgomery, D. C. and Runger, C. (2014) Applied Statistics and Probability for Engineers, 6th Ed. NJ: Wiley

OTHER REFERENCES:

- Montgomery, D. C. and Runger, C. (2017) Applied Statistics and Probability for Engineers, 7th Ed. NJ: Wiley
- Adanza, Estela Galicano. (2011) Statistics: System for Research. Manila: Mindshapers.
- Davis, John H. Hoboken, N.J. (2011) Statistics for Compensation. Wiley.
- Healey, Joseph F. (2012) Statistics. Australia: Wadsworth/Cengage Learning.
- Jackson, Sherri L. (2014) Statistics: Plain and Simple Wadsworth Cengage Learning
- Peck, R. (2012) Statistics: Exploration and Analysis. Boston, MA: Brooks/Cole, Cengage Learning.
- Scheaffer, R., Mulekar, M., McClave, J. (2011) Probability and Statistics for Engineers, 5th Ed. Singapore: Brooks/Cole Cengage Learning.
- Walpole, R., Myers, S. Ye, K. (2007) Probability and Statistics for Engineers and Scientists, 8th Ed. NJ: Pearson/Prentice Hall.

READING LIST:

- Data gathering, presentation (tabulation and graphical method) and analysis

REQUISITE EQUIPMENT/MATERIALS FOR THE COURSE:

- Computer/Laptop with minimum specification for online learning and calculations for data analysis (excel and other statistical softwares)
- Scientific calculator (specifically the one required for the board exam)