COURSE CODE: CHETHRM

COURSE TITLE: Chemical Engineering Thermodynamics

DEPARTMENT: Chemical Engineering

TEXTBOOK:

Smith, J., Van Ness, H., Abbott, M., and Swihart, M. (2018). Introduction to Chemical Engineering Thermodynamics 8ed. New York: McGraw-Hill Higher Education.

REFERENCES:

- Cengel, Y. and Boles, M. (2019). Thermodynamics: An Engineering Approach 9 ed. Boston: McGraw Hill.
- Sonntag, R. E. (2019). Fundamentals of Thermodynamics. 10th ed. New Jersey: Wiley.
- Sandler, S. (2017). Chemical, Biochemical, and Engineering Thermodynamics. 5th ed. New York: Wiley.
- Koretsky, M. (2012) Engineering and Chemical Thermodynamics 2 ed. New Jersey: Wiley.
- Kyle, B. G. (1999). Chemical and Process Thermodynamics. 3rd ed. New Jersey: Prentice Hall.
- Winnic, J. (1996). Chemical Engineering Thermodynamics: An Introduction to Thermodynamics for Undergraduate Engineering Students. New York: Wiley.

READING LIST:

• Chapters 1 – 3 of the Textbook.

REQUISITE EQUIPMENT/MATERIALS FOR THE COURSE:

• Data Table from Sonntag et al. and Smith et el.