



UC202 January 2:0

Thermodynamics and Electrochemistry

Instructor

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Teaching Assistant

Email:

Department: SSCU / Undergraduate Chemistry

Course Time:

Lecture venue:

Detailed Course Page:

Announcements

Brief description of the course

Second Year Undergraduates

Prerequisites

Basic Mathematics

Syllabus

Laws of Thermodynamics, Legendre Transformations, Entropy, Engines, Chemical Equilibrium, Phase

Transitions, Electrochemistry, Electrochemical Phenomena, Batteries

Course outcomes

Thermodynamics and its applications to prediction of reaction outcomes, spontaneity etc.

Grading policy

Typically: 10% Assignments 20% Quizzes 35% Midterm and 35% endterm or similar.

Assignments

8-10

Resources

H. B. Callen,

Physical Chemistry McQuarrie and Simon

Electrochemistry Principles and Applications by D. R. Crow