

BIEN 360. PHYSICAL CHEMISTRY IN BIOENGINEERING.

Credits: 3

Offered by: Bioengineering (Faculty of Engineering)

This course is not offered this catalogue year.

Description

Description of chemical systems with the help of theories of physics and application of its techniques: reaction kinetics, physical and chemical equilibria in biological systems. Review of energy transfer and thermodynamics. Chemical and physical equilibria in biology: variation of Gibbs energy with temperature, energy, composition. Theories of reaction kinetics and the reaction mechanism in biological phenomena: polymerization, protein folding, enzymes.

- Prerequisite(s): BIEN 300
- Restriction(s): Not open to students who have taken or are taking CHEE 310.

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