

MATE 664 Lecture 12

Recitation 1: Kinetics Fundamentals & Diffusion Theory

Dr. Tian Tian

2026-02-11

Learning Outcomes

This is a recitation class. We will be reviewing what the Kinetics of Materials course have currently covered.

After this lecture, you should be able to:

- Describe in your own words the major topics in kinetics course
- Link the irreversible thermodynamics to kinetics
- Understand the analog between diffusion and other kinetic problems
- Analysis of important charts in diffusion
- Apply irreversible and kinetic knowledge to modern material research