

CHEE 380. MATERIALS SCIENCE.

Credits: 3

Offered by: Chemical Engineering (Faculty of Engineering)

Terms offered: Fall 2025

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Description

Structure/property relationship for metals, ceramics, polymers and composite materials. Atomic and molecular structure, bonds, electronic band structure and semi-conductors. Order in solids: crystal structure, disorders, solid phases. Mechanical properties and fracture, physico-chemical properties, design. Laboratory exercises.

- Prerequisite: CHEE 220
- (3-1-5)

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