



Solid Surfaces and Interfaces

MATSCEN 7845

Credit Hours:

2.00 - 2.00

Course Levels:

Graduate (5000-8000 level)

Course Components:

Lecture

Course Description:

Elements of surface and interface science. Thermodynamics, structure, microstructure and kinetics of interfacial phenomena in materials.

Prerequisites and Co-requisites:

Prereq: 6730, 6737, and 6747.

Course Topics:

- Thermodynamics of Surfaces and Interfaces
 - Surface & Interface Structure
 - Surface Energy, Anisotropy, and Equilibrium Forms
 - Interfacial Segregation
 - Kinetic Phenomena
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Designation:

Elective