Engr 585: Mechanics of Composite Materials I

School of Engineering

Development of constitutive laws governing the hygro-thermo-mechanical response of composite material systems. Micromechanical and macromechanical modeling, laminate theory, definition and comparison of failure criteria. Damage modeling and fatigue studies.

3 Credits

Prerequisites

• Pre-requisite: Engr 312 or Graduate Standing

Instruction Type(s)

• Lecture: Lecture for Engr 585

Subject Areas

• Engineering, General
• Civil Engineering, General
• Mechanical Engineering

Related Areas

• Environmental/Environmental Health Engineering
• Geotechnical and Geoenvironmental Engineering
• Structural Engineering
• Transportation and Highway Engineering
• Water Resources Engineering