Engr 585: Mechanics of Composite Materials I

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