

ASEN5519 Topics in Multiphysics Modeling: Term Projects

Please pick one of the topics listed below, define the problem you would like to tackle, and let me know by Monday, 08 November. If the term project that you have in mind is outside the topics listed, let me know.

Structure-structure interaction

Structure-fluid interaction

Structure-acoustic interaction

Structure-electrodynamic (or thermal) interaction

Multiscale methods (SPH, Wavelets, Multigrids, etc.)

Other methods for coupled-field problems

Classification of Shape Functions