MECH5370 - Introduction to Wind Energy

MECH 5370 Introduction to Wind Energy (3 semester credit hours) Understanding the operational principles of modern wind turbines, including basic aerodynamics and rotor dynamics of wind turbines; wind turbine design and components; wind turbine control, electrical systems, wind characteristics and siting; system integration and grid connection; wind turbine siting; offshore wind turbine. Prerequisites: MECH 3320 and MECH 3351 and MECH 4310. (3-0) Y