FLORIDA ATLANTIC UNIVERSITY

Department of Ocean and Mechanical Engineering Florida Atlantic University Course Syllabus

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9. Course objectives/student learning outcomes/program outcomes

Introduce students to the state-of-the-art wind and ocean energy systems that are deployed and are at developmental stage. Particular focus is given to the structural design of turbine blades. Expose students to fundamental knowledge of structural modeling and mathematical methods needed to analyze wind and ocean turbines, cumulative fatigue