

New Course!

CEE 498 – Wind Engineering

Fall 2017: TR 2:00-3:20 with Prof. Frank Lombardo

Course Description: Provides a significant overview of the multidisciplinary subject of wind engineering. Students will be introduced to fundamental concepts that range from understanding the wind itself and its engineering characteristics, how the wind induces loading on different structural types, the response of structures and how these responses can be mitigated. Topics include **design wind prediction, turbulence, bluff body aerodynamics, dynamic analysis, wind loading on low-rise and high-rise structures, wind tunnel testing, wind damage, wind mitigation** and much more. Large data sets will be analyzed and **computer simulation and modeling** techniques will also be used. **Field work** is also a possibility.

Interested? – E-Mail: lombaf@illinois.edu

