Community Wind Energy Research
a project based design course
(funded by Engaged Cornell)
Professor R.J. Barthelmie

6 weeks lecture series + design project* in lab and field
*If used to fulfill the senior design requirement, the project must have a significant mechanical engineering design component

Acoustic and Environmental Science Projects
Dr H. Klinck with Prof. S. C. Pryor
Bioacoustics Research Program Earth and Atmospheric Sciences
Cornell Lab of Ornithology Department

In situ and remote sensing atmospheric instrumentation
Acoustic and environmental monitoring
Blade design/working with local wind energy companies
Education and interaction with community organizations
Project design and implementation
Development of skills in data analysis and wind farm modeling tools
Communicating results to specialist and non-specialist audiences