

**Sophomore Clinic I – Fall 2008
Grading Criteria for Assignment 5: Final Design Report on Wind Power Project**

Executive summary and conclusions	50	
<ul style="list-style-type: none"> ▪ Conveys key information regarding the project goal, the design approach, and the design solution in the executive summary <ul style="list-style-type: none"> ○ Defines design problem and explains goal of project in terms of optimization ○ Summarizes approach to optimization ○ Provides performance results ○ Provides a quantitative assessment of the performance results ○ Refers to figures and tables within the report as appropriate ▪ Summarizes and evaluates performance results in the conclusions <ul style="list-style-type: none"> ○ Summarizes final testing results and gives performance score ○ Compares actual performance to predictions ○ Evaluates results according to a relevant performance criterion ○ Suggests different approaches to optimization that could improve performance ○ Refers to figures and tables within the report as appropriate 		
Graphic presentation of technical information	50	
<ul style="list-style-type: none"> ▪ Uses figures and tables effectively to highlight features of the design solution <ul style="list-style-type: none"> ○ Shows a table of values and/or functions defining specified parameters ○ Shows front and top views with dimensions and mounting details ○ Provides a graph showing performance curves from final testing ○ Produces figures to scale with dimensions and components clearly identified ○ Includes properly placed, concise, and informative titles and captions that allow figures and tables to be interpreted independently of the report text ▪ Uses figures effectively to show data that informed design optimization <ul style="list-style-type: none"> ○ Shows results of a series of parametric studies that informed the final design ○ Identifies parameters, including which were held constant and which were varied ○ Provides a graph showing performance curves from final testing and predicted performance for comparison ○ Constructs graphs to maximize readability ○ Includes properly placed, concise, and informative titles and captions that allow figures to be interpreted independently of the report text 		
Total	100	