

**Sophomore Clinic I – Fall 2008  
Grading Criteria for Assignment 3: Progress Report on Wind Power Project**

<b>Definition of design problem and next steps</b>	50	
<ul style="list-style-type: none"> <li>▪ Conveys key information regarding the project goal and the design approach in the <b>Definition of the Design Problem</b> <ul style="list-style-type: none"> <li>○ Provides a clear explanation of the goals of the project</li> <li>○ Lists the constraints and explains how they might affect the design approach</li> <li>○ Describes how the effectiveness of the design will be evaluated</li> </ul> </li> <li>▪ Communicates an effective, realistic strategy for successful completion of project in <b>Next Steps</b> <ul style="list-style-type: none"> <li>○ Presents a realistic overall assessment of current status of project</li> <li>○ Gives clear and specific future design and optimization tasks</li> <li>○ Discusses how future plans are informed by results of tests and simulations</li> <li>○ Relates future tasks to project goals</li> <li>○ Section is written to stand on its own, and refers reader to specific previous sections or Appendix for further details</li> </ul> </li> </ul>		
<b>Graphic presentation of technical information</b>	50	
<ul style="list-style-type: none"> <li>▪ Presents a clear, complete description of turbine designs <ul style="list-style-type: none"> <li>○ Includes diagram of test turbine(s)</li> <li>○ Depicts turbine designs under consideration, with fixed and variable parameters</li> <li>○ Diagrams include complete, specific dimensions</li> <li>○ Diagrams have clear, informative captions allowing them to be understood without reading full text of report</li> </ul> </li> <li>▪ Presents plans and progress in clear graphical form to maximize readability <ul style="list-style-type: none"> <li>○ Project tasks and timeline summarized effectively in Gantt Chart</li> <li>○ Compares test results to predictions</li> <li>○ Presents evaluation of potential turbines through simulation results</li> <li>○ Diagrams are readable, have clearly labeled axes, and explicitly distinguish test data from simulation results</li> <li>○ Diagrams have clear, informative captions allowing them to be understood without reading full text of report</li> </ul> </li> </ul>		
<b>Total (20% of final report grade)</b>	100	