

16.030/16.040 SP6 Grading Sheet – Spring 2004

Element	1	2	3	4	5	Comments
Elements of design proposal						
Proposal justifies wing design choices re: surface area, span, aspect ratio, and airfoil and provides a persuasive argument for each choice. (1-2 pp.) Weight of wing is calculated.						
Proposal includes an engineering drawing that shows planform, front view showing dihedral, and side view showing twist. Shows cross section of wing at root and tip. Indicated proposed materials and manufacturing methods. Drawing is properly labeled, integrated into text, and referred to.						
Proposal justified tail design choice and provides persuasive argument for each choice. Estimate of location of neutral point is indicated. Maximum tip deflection is calculated.						
Proposal includes an engineering drawing of the tail that is correctly labeled.						
Proposal defines procedure that will experimentally confirm estimate of neutral point location.						
Communication skills						
Document begins with short introduction that provides brief context.						
Ideas flow logically from sentence to sentence, paragraph to paragraph, and section to section.						
Language is used grammatically; punctuation is correct; words are spelled correctly.						

16.030/16.040 SP6 Grading Sheet – Spring 2004

Writing is concise, accurate, and organized.						
Document preparation skills Cover sheet; page numbers; labels on tables, figures, and equations.						

Team: _____ Version: _____ Evaluators: _____

Grade: _____

Performance Levels*

- | | |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5 Exceptionally good | Coverage and/or correctness of content demonstrates superior understanding of the subject matter, a foundation of extensive knowledge, an ability to skillfully use concepts. |
| 4 Good performance | Coverage and/or correctness of content demonstrates a good understanding of the subject matter, capability for use of the relevant concepts. |
| 3 Adequate | Coverage and/or correctness of content demonstrates adequate understanding of the relevant material, an ability to apply the concepts in a relatively simple manner. |

* These performance levels are paraphrased from the definition of MIT grades given in the Bulletin and at <http://web.mit.edu/faculty/rules/2.60.html>