BSC 3402L **Group Projects** **Spring 2006**

Grading Criteria for Group Project

Introduction (25 pt total):
10 points for clear statement of hypothesis (-5 if it's there but not clear)
10 points for describing an appropriate motivation based on PRIMARY literature
-5 if justification is incorrect
-10 if not primary literature cited
-10 if justification is applied or not related to pollination biology
5 points for a citation to the primary literature

Materials and Methods (20 total)
5 for clear and complete description of procedures
15 points for correct description of statistical methods, including identifying the variable that is being analyzed, noting what specific groups are being compared, and naming the statistical test that was performed.

-5 for not saying what variable is analyzed
-5 for not saying what groups are compared
-5 for not telling what test was used

Results (25 total)
15 for narrative description of results, including a description of the outcome of the statistical test, an explicit statement of whether the null hypothesis was accepted or rejected, and including only relevant results.
-5 for not describing the outcome of the statistical test
-5 for not saying whether null hypothesis accepted or rejected
-5 failure to describe all and only relevant results
10 for table or figure that is clear, complete, and appropriately labeled
-5 for table that is too hard to decipher (not labeled, etc.) or missing important information

Discussion (25 points)
10 for relating results of statistical test back to biological hypothesis
15 for either explanation for unexpected results or for suggesting next step in research
-5 for excuses rather than a biological explanation (e.g. our results are not believable because the experiment was not done right)
-5 for suggesting next step but providing no reason

Literature Cited (5 total)
Must have at least one citation, and it must actually be referenced in text
-1 for minor infractions (e.g. no date or no Journal given)
-2 for missing citations or citations that are not referenced in the text