

## **Bio 362 :: Marine Biology**

### **Literature critique grading rubric**

10 points total, distributed as follows (1 point each). Note that “critique” includes both criticism of faults and praise for good elements. The critique does not need to follow the point-by-point format given here, but must contain all of these elements. Maximum length is **1 page single spaced** (2 pages double-spaced), but an effective review can be written in 1 – 1.5 pages (double-spaced).

#### **Overall**

1. Spelling and grammar
2. Length and concision. Is the critique within the acceptable length range, and written efficiently with the right amount of detail to understand the points being made?

#### **Introduction**

3. Concise summary of the context of prior work in the field and rationale/importance of this study
4. Explanation of the question/hypothesis addressed in the paper

#### **Methods**

5. Concise summary of methods/approach

#### **Results**

6. Concise summary of results

#### **Discussion**

7. Describe the authors’ interpretation of their results. Do you agree? Discuss potential alternative interpretations of the results, if any. Do the authors reach appropriate conclusions?
8. Discussion/critique of the study approach and methods. Did the authors account for potential confounding factors? Were the experiments designed appropriately for the question at hand?
9. Discussion of the broader context. What do the authors say about the broader implications of their work? What do you think an appropriate follow-up study would be?
10. Overall critique of the paper. What are its key merits? What would you do differently if repeating this study?