**BIOLOGY DEPARTMENT GRADING RUBRIC FOR BIO-502 PAPERS**

Effective communication (15) \_\_\_\_\_\_\_\_\_\_

Organization and logical flow (i.e., standard scientific paper format)(5)

Clarity of meaning and readability(5)

Standard English (5)

Use of published literature (15) \_\_\_\_\_\_\_\_\_\_

Use of *bona fide* research literature vs. popular, textbook, or unverified web sources (5)

Inclusion of current / up-to-date sources as well as foundational literature and it is

comprehensive in scope (5)

Correct citation format (5)

Overall scope and difficulty appropriate for 4 credit hours (10%) \_\_\_\_\_\_\_\_\_\_

Content: original research papers (60%) \_\_\_\_\_\_\_\_\_\_

Introduction places research in context (10)

Objectives and/or hypotheses and/or rationale clearly stated (5)

Methodology described concisely yet completely (10)

Suitable analytical or computational tools employed (5)

Results presented clearly(10)

Tables and Figures appropriately used to complement text and of publishable quality (5)

Discussion builds on the results to extend the science (10)

Broader impact of the research presented (5)

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| **Total (x/100)**   |  | | --- | |  | |