

Ammed

GRADING RUBRIC FOR STREAM INVERTEBRATE REPORT, BIO 239, FALL 2018

Title Page (1.5 pts)

- 0.5 1 Title is descriptive and concise (and different than the lab handout title)
0.5 0.5 Author's affiliation is correct

Materials and Methods (8.5 pts)

- 1.5 1.5 Written in paragraph form (not listed like steps in a recipe)
0.75 1.5 Written in past tense
3 4 Contains all relevant information to enable reader to repeat the experiment; this includes statistical methods
1.5 1.5 Avoids excessive details on the methods. This section should not exceed 1.5 pages of writing.

Results (13 pts)

- 0.5 0.5 Figures are numbered in the order in which they are discussed in the text
0.5 0.5 Figure captions are **below** the figure and are in the proper format
2 2 Figure captions adequately describe the data being presented
0 1.5 The results are summarized (not too much detail) *I can't tell...*
0 1 No irrelevant results are reported
3.25 4 Shannon-Weiner index and Jaccard coefficient values are correct
0.5 1 Statements that imply statistical analysis are only made when statistical analysis has been conducted (e.g., references to "significance," "correlation," etc.)
0 1 Written in past tense.
1.5 1.5 No explanation is given for the results (although basic conclusions may be stated).

need graphs!
-2

Discussion (11 pts)

Paragraph 1:

- 0.5 1 The hypothesis being tested is restated (assuming that it would have been initially stated in the Introduction)
0.25 1 Results are briefly restated
0 2 The conclusions/interpretations are stated and justified given the data/results
I don't see any conclusions

Paragraph 2:

- 1 2 The broader significance of the results is explained (do not quote the lab handout!)
0 3 Appropriate reference is made to both literature sources (the ones provided by your lab instructor)

Paragraph 3:

- 0 2 Write a concluding paragraph in which you discuss what other types of data you might like to collect in the future to better understand observed patterns. Do not merely say that you would collect more of the same exact data.

Literature Cited (5 pts)

- 1 2 Both references are cited *not the articles from class*
1.0 1.5 Reference format is correct and complete, following the conventions in the journal *Ecology* (see next page)
1.0 1.5 All references were cited in the text; all citations in the text have been included in the Literature Cited section
1st paper

Convention (2 pts)

- 1 1 Provide the scientific names of all organisms in text of article when first mentioned. Common names may be used when convenient after stating the scientific names
- 1 1 Units of measure must conform to the International System of Units (SI), i.e., metric

Writing (9 pts)

- 0.25 0.5 Report is double-spaced, 2.54 cm (1 inch) margins, and 12 pt. Times font
- 0.5 1 Citation format in the text is correct (see below)
- 1 1 Citations are paraphrased. Quotation marks are not used
- 0 2 Writing is efficient, formal, and appropriate for scientific papers
- 1.5 1.5 Paper is organized correctly; information put into appropriate section (e.g., discussion not in results) *ok*
- 0 3 Paper is proofread: free of spelling, grammatical, and typographical errors

$$\frac{26}{50} = 52\%$$

I can tell you did not take this to the writing center - which is something I told you that you had to do based on writing in other assignments. I cannot understand most of your report because the writing is unclear. I cannot give points if I can't figure out what you're saying

This rubric will be used for both the draft and the final report.

While writing the final report, you are expected to address all issues that led to grade deductions in the draft. **If you ignore an issue, you will be penalized 2 points (in addition to the grade deduction).** If you are unsure how to address an issue, ask your instructor in a timely manner.

Citation conventions for the journal *Ecology*

Literature Cited section

General format: Author list. Publication year. Article title. Journal title <space> Journal volume:pages.

Notice that the first author is shown as last_name, initials; all other authors are shown as initials, last_name. Do not leave out middle initials.

Examples:

1 author: Wiens, J. A. 1989. Spatial scaling in ecology. *Functional Ecology* 3:385-397.

2 authors: Roland, J., and P. D. Taylor. 1997. Insect parasitoid species respond to forest structure at different spatial scales. *Nature* 386:710-713.

3 or more authors: Neel, M. C., K. McGarigal, and S. A. Cushman. 2004. Behavior of class-level landscape metrics across gradients of class aggregation and area. *Landscape Ecology* 19:435-455.

In-text citations

1 author: (Wiens 1989)

2 authors: (Roland and Taylor 1997)

3 or more authors: (Neel et al. 2004)