

# BIO 410/510 Peer Review Format

**Your name:**

**Author's name:**

**1) Read the entire manuscript initially to get a general impression of it**, asking questions such as:  
1) What environmental question did it address? What data will be used? Is it interesting? What did you learn? Was it easy to read?

*Give your general impressions of the manuscript here:*

**2) Then go back and read the paper again, more analytically this time. Make corrections on the manuscript itself, but also respond to each of the following sections.**

**a. Introduction**

- Has the author set the stage for the problem? Is the concept and question well developed and contextualized?
- Does the content of the introduction seem relevant to the identified question and approach?
- Are all statements referenced with quality literature?
- Are the hypotheses clear and in a logical order? Are they directional using predictions?
- Has the author proofread the manuscript for spelling, punctuation, and grammatical errors?

*Comments.*

**b. Data overview**

- Do the datasets meet requirements?
- Is there sufficient metadata and information about the data structure to understand how it will be used? Is there as much information as would be returned by the `str()` function?

*Comments.*

**c. Workflow**

- Are the end-product visualization goals appropriate and feasible given the data?
- Has the author accounted for all relevant QAQC?
- Is there a logical flow from the raw data to the end products? If not, what suggestions would you make?

*Comments.*