

Additional information on the course work for ENVS 4100 follows. It is based, in part, on senior seminar courses in other science programs, especially marine science.

Review Paper: The review paper requires a detailed and comprehensive analysis of the literature. It must address a topic within environmental science that has been approved by the instructor. Although it is a synthesis of the literature, the review paper should reflect the student's own insights, interpretation, and critical appraisal of the literature. The paper should be at least 12 pages double spaced (excluding tables, figures, and references), and citations should conform to the format used in a journal identified by the student.

The review will also include two appendices, aimed at documenting the outlining of the review and the synthesis of the reviewed articles. To this end, the students will include an annotated bibliography (see specific instructions in class lectures) and a mind map (see specific instructions in class lectures).

The review paper (including the mind map and annotated bibliography) will be submitted to the instructor both as a hard copy (paper) and electronic (word file) document.

The grading of the review paper will rely on the criteria outlined in the enclosed rubric sheet:

| SECTIONS | POSSIBLE POINTS | EXPLANATION |
|------------------------------------|------------------------|---|
| Cover page | 5 | Descriptive title (+3: species, process, location); Catchy title: +2 |
| Introduction | 10 | Why is this important and interesting? How does this relate to ENVS? |
| Objective & approach | 10 | Objectives of the review? (Clear +5, Revisited in Discussion +5) |
| Review of results | 20 | Organization (+10), Description of individual papers (+10) |
| Analysis | 20 | Synthesis & Implications (summary +10, ENVS implications: +5, future work +5) |
| Literature Cited | 10 | Literature Cited (+1), Incorrect citation (-1). Possible extra-credit: +5 |
| Appendix 1. Mind map | 10 | Mind Map (+10) |
| Appendix 2. Annotated Bibliography | 15 | Annotated Bibliography (+15) |
| | 100 | |

Length: 12 -15 pages double spaced - without literature cited / tables and figures

Literature cited: 10 citations minimum.

Typos: -1 (Data IS: poor writing modifier)