

Papers must be written in the style of a journal article (the *Quarterly Review of Biology* and *Annual Review of Ecology and Systematics* provide excellent models) and be exhaustive reviews of the subject. The research paper is worth a total of 175 points; the grading rubric by which they will be evaluated is as follows:

- (1) Initial bibliography: 1 point for each peer-reviewed publication, to a maximum of 25
- (2)

Unsatisfactory for this class. In addition, more than one unexcused absence from class meetings will also result in a grade of Unsatisfactory.

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| October | 6/8 | Research paper due Oct. 6; Initial attempt at Major Fields test must be completed by Oct. 8 | TBA |
| | 13/15 | Fall Break—no class | None |
| | 20/22 | Work on presentation | TBA |
| | 27/29 | Set presentation schedule | TBA* |
| November | 3/5 | Class presentations #1 (n = 5) | TBA* |
| | 10/12 | Class presentations #2 (n = 5) | |

- d. Use of ancient DNA in the study of disease
- e. p53 and cancer
- f. Comparative analyses of gene expression profiles
- g. Molecular control of circadian rhythms
- h. Progress in understanding the early evolution of life