

## Geology 440/640 - Research paper outline

1 Select a topic. The topic can be about the response of an organism, or group of organisms, to climate change during the Quaternary. The basic unit you choose can be as small as a population of animals or plants or as large as an ecosystem, in either the terrestrial or the marine realm. The location and scale can be that of a region, a continent, a hemisphere, or the world.

2 Source of the information can be books, science magazines, web pages, but must include at least three Quaternary journal articles (e.g. Quaternary Research, Journal of Quaternary Science, Quaternary Science Reviews, Quaternary International, Holocene, Nature, Science). A minimum of 5 references should be used.

3 The paper will consist of 5000 words (about six complete pages of single-spaced text in a standard font (12 pitch), plus additional pages for illustrations and references. Illustrations need to be referenced in the text and must be accompanied by captions. Paper and disc copies to be submitted.

4 References must be correctly cited in the text in journal format e.g. Saini-Eidukat (1993) stated that ; or .....provided an alternative hypothesis (Schwert et al.,1993). Remember to show citations for diagrams, e.g.( modified from Joseph, 1997) and for web

e.g. Overpeck, J. T., C. Woodhouse, R. S. Webb and D. Anderson, 1999, A paleo perspective on global warming, <<http://www.ngdc.noaa.gov/paleo/globalwarming/work.html#staff>>, Accessed March 23, 2000. References must be completely cited in the bibliography in journal format.

1 **Deadline is 5:00 p.m., Friday, May 1.**

2 Caution. Be especially careful not to copy verbatim from any source.

### Examples of possible topics

- 1 The response of Atlantic Ocean planktonic foraminifera to climate changes during the last glacial to interglacial transition.
- 2 The role of marine planktonic algae in climate change
- 3 The vegetation response to climate change in the Amazon Basin during the last glaciation
- 4 Evolution in the cichlid fishes of Lake Victoria.
- 5 Ancient DNA in Pleistocene mammal studies
- 6 Island dwarf mammals and their origins
- 7 Comparison of the Pleistocene megafauna of Africa and Australia
- 8 The role of climate in the evolution of hominids