

11:628:320 Dynamics of Marine Ecosystems 2009

Term paper info

The paper is 20% of the grade

The topic has to be interdisciplinary (and on some aspect of the course)

Must have a minimum of 3-4 **primary literature** sources (more is better!!)

Please note: newspaper articles and articles from non- scientific journals are **not** primary literature. Also popular science journals (Popular Scientist, New Scientist, Scientific American) are not primary literature

You may also use “survey material” In fact chapters in books and articles in popular scientific journals make for good background information. **But**, they should not be the **primary** material for your paper.

Please include a title page and some illustrative figures or graphs
(no science paper is complete without figures!)

Term paper topic ideas

Hydrothermal vents topics are not acceptable.

Anthropogenic carbon dioxide emissions and its effects (temperature, ocean acidification, circulation) on marine ecosystems

Ocean acidification effects on coral reefs and other calcifying organisms

Between greenhouse and icehouse: the Eocene and Oligocene periods

Significance of brown tides off the Midwestern Atlantic coast of the US

The effects of natural cycles on Pacific fisheries

Antarctic Krill: survival skills in an extreme environment

Estuaries, metals, and pollution: it's not just a matter of dilution

Coastal dead zones – nutrients or geochemical and circulation interactions.

Iron fertilization and the biological pump.

El Niño effects on productivity (primary and secondary) or carbon cycling

Referencing:

Please adhere to the referencing guidelines handed out in class. Improper referencing styles will be marked down accordingly.

Include a reference list/ bibliography. Only list papers that you have directly cited in the paper (not everything you read).

Paper length:

~8 double spaced pages of TEXT.

At 300 words/page that's ~2200 to 2500 words **plus** figures and references.

Due Date. Dec 9 (last day of class)