* **[Sterner and Elser Chapter](https://oregonstate.instructure.com/courses/1741557/assignments/7647258)**

**Due** Sep 27 at 11:59amSep 27 at 11:59am

This assignment will not be assigned a grade.

[**Lyons and Reinhard 2009, PNAS; Optional-Johnston et al., PNAS 106: 16925-16929, 2009**](https://oregonstate.instructure.com/courses/1741557/assignments/7647251)

**Due** Sep 30 at 11:59amSep 30 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Chapter 1 (all) and 2 (pgs. 33-43) in Emerson and Hedges, Chemical Oceanography and the Marine Carbon Cycle (eBook at Valley Library)**](https://oregonstate.instructure.com/courses/1741557/assignments/7647235)

**Due** Oct 2 at 11:59amOct 2 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Broecker, Oceanogr. 4: 79-89, 1991**](https://oregonstate.instructure.com/courses/1741557/assignments/7647233)

**Due** Oct 4 at 11:59amOct 4 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**lab report #2 due**](https://oregonstate.instructure.com/courses/1741557/assignments/7647247)

**Due** Oct 9 at 11:59am Oct 9 at 11:59am

-/5 ptsNo submission for this assignment. 5 points possible.

* Assignment

[**Nichols et al., Science 231, 567-573, 1986**](https://oregonstate.instructure.com/courses/1741557/assignments/7647253)

**Due** Oct 9 at 11:59amOct 9 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Choose one of three (Burdige, Katija and Dabiri, Purcell)**](https://oregonstate.instructure.com/courses/1741557/assignments/7647236)

**Due** Oct 11 at 11:59amOct 11 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Hutchins, The American Naturalist XCV: 137-145, 1961; Valiela, Chap. 2: Marine Ecological Processes, 2nd Ed, 36-83**](https://oregonstate.instructure.com/courses/1741557/assignments/7647243)

**Due** Oct 14 at 11:59amOct 14 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**lab report #3 due**](https://oregonstate.instructure.com/courses/1741557/assignments/7647248)

**Due** Oct 16 at 11:59am Oct 16 at 11:59am

-/5 ptsNo submission for this assignment. 5 points possible.

* Assignment

[**Morel, Geobiology 6: 318-324, 2008**](https://oregonstate.instructure.com/courses/1741557/assignments/7647252)

**Due** Oct 16 at 11:59amOct 16 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Azam and Malfatti, Nature Reviews 5: 782-791, 2007; Chapter 4 by Falkowski et al. in Ocean Biogeochemistry, ed. M.J.R. Fashom, pgs 99-121; optional: Emerson & Hedges, Chap6 pgs 186-203 (eBook at Valley Library)**](https://oregonstate.instructure.com/courses/1741557/assignments/7647231)

**Due** Oct 18 at 11:59amOct 18 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**IPCC AR4 Chapter 7**](https://oregonstate.instructure.com/courses/1741557/assignments/7647244)

**Due** Oct 21 at 11:59amOct 21 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**(Optional) Zeebe Chapter pdf**](https://oregonstate.instructure.com/courses/1741557/assignments/7647255)

**Due** Oct 23 at 11:59amOct 23 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**(Continue) Van Cappellen chapter in Biomineralization**](https://oregonstate.instructure.com/courses/1741557/assignments/7647237)

**Due** Oct 25 at 11:59amOct 25 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Chapter 12 (pgs. 406-419) in Emerson & Hedges (eBook at Valley Library) ; Aufdenkampe et al., Front. Ecol. Environ. 9(1): 53-60, 2011**](https://oregonstate.instructure.com/courses/1741557/assignments/7647234)

**Due** Oct 28 at 11:59amOct 28 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**lab report #5 due**](https://oregonstate.instructure.com/courses/1741557/assignments/7647249)

**Due** Oct 30 at 11:59amOct 30 at 11:59am

-/0 ptsNo submission for this assignment. 0 points possible.

* Assignment

[**Brandes et al. Chem. Rev. 107: 577-589, 2007; Canfield et al., Science 330: 192-196, 2010**](https://oregonstate.instructure.com/courses/1741557/assignments/7647232)

**Due** Nov 1 at 11:59amNov 1 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Dyhrman et al., Oceanogr. 20: 110-116, 2007**](https://oregonstate.instructure.com/courses/1741557/assignments/7647238)

**Due** Nov 4 at 11:59amNov 4 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Wiki Drafts posted**](https://oregonstate.instructure.com/courses/1741557/assignments/7647261)

**Due** Nov 4 at 11:59pmNov 4 at 11:59pm

This assignment will not be assigned a grade.

* Assignment

[**Wikipedia feedback/presentations**](https://oregonstate.instructure.com/courses/1741557/assignments/7647263)

**Due** Nov 6 at 11:59amNov 6 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**lab report #6 due**](https://oregonstate.instructure.com/courses/1741557/assignments/7647250)

**Due** Nov 6 at 11:59amNov 6 at 11:59am

-/0 ptsNo submission for this assignment. 0 points possible.

* Assignment

[**Sievert et al., Oceanogr. 20: 117-123, 2007; van Mooy et al., PNAS 103: 8607-8612, 2006; (Optional) Armburst, Nature 459: 185-192, 2009**](https://oregonstate.instructure.com/courses/1741557/assignments/7647257)

**Due** Nov 6 at 11:59amNov 6 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Karl et al., Nat. Geosci. 1: 473-478, 2008; Wilson et al. Aq. Micro. Ecol. 59: 1970206, 2010**](https://oregonstate.instructure.com/courses/1741557/assignments/7647245)

**Due** Nov 8 at 11:59amNov 8 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**(Optional) Batchelder et al. 2002 Progress in Oceanography 53: 307-333**](https://oregonstate.instructure.com/courses/1741557/assignments/7647254)

**Due** Nov 13 at 11:59amNov 13 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Kemp et al., MEPS 303: 1-29, 2005**](https://oregonstate.instructure.com/courses/1741557/assignments/7647246)

**Due** Nov 15 at 11:59amNov 15 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Hunt et al. - required for in class discussion**](https://oregonstate.instructure.com/courses/1741557/assignments/7647242)

**Due** Nov 18 at 11:59amNov 18 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Robonson et al. 2010, Deep-Sea Research II 57:1504-1518**](https://oregonstate.instructure.com/courses/1741557/assignments/7647256)

**Due** Nov 20 at 11:59amNov 20 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Herbert et al., Science 293: 71-76, 2001**](https://oregonstate.instructure.com/courses/1741557/assignments/7647241)

**Due** Nov 22 at 11:59amNov 22 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Wiki Comments by others**](https://oregonstate.instructure.com/courses/1741557/assignments/7647260)

**Due** Nov 25 at 11:59pmNov 25 at 11:59pm

This assignment will not be assigned a grade.

* Assignment

[**Gruber 2011, Phyl Trans of Royal Society 369:1980-1996**](https://oregonstate.instructure.com/courses/1741557/assignments/7647240)

**Due** Nov 27 at 11:59amNov 27 at 11:59am

This assignment will not be assigned a grade.

* Assignment

[**Wiki final pages due**](https://oregonstate.instructure.com/courses/1741557/assignments/7647262)

**Due** Dec 4 at 11:59am Dec 4 at 11:59am

-/30 ptsNo submission for this assignment. 30 points possible.

* Assignment

[**Final DUE Dec 6, at 6pm**](https://oregonstate.instructure.com/courses/1741557/assignments/7647239)

**Not available until** Dec 4

**Due** Dec 12 at 6pm Dec 12 at 6pm

-/20 pts