**Professors with Grad Students Physical Oceanography**

[**Philip Mote**](http://ceoas.oregonstate.edu/profile/mote/) **\***

Alexander Kurapov

Larry O'Neill

Roger Samelson

Jennifer Hutchings

**Best**

Kipp Shearman

**Good**

While Nick Siler’s research focuses more on atmospheric sciences I was very interested in how he utilized computational modeling

**OK**

William Smyth

**No**

Simon de Szoeke

David Noone \*

**Emeritus**

Ted Strub

**Geology and GeoPhysics**

Alyssa E. Shiel

**Who I have Contacted**

Kim Bernard

Tuba Ozkan-Haller

Larry O'Neill

Ted Strub

**Others**

[**Philip Mote**](http://ceoas.oregonstate.edu/profile/mote/)  
Professor, Associate Dean for Strategic Initiatives, and director of the Oregon Climate Change Research Institute (OCCRI)  
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 Website"[Website](http://www.occri.net/meet-the-team/philip-mote/)

**Coastal ocean modeling and data assimilation.** The coastal ocean is a unique environment with special physics and dynamics. It supports highly productive ecosystems and fisheries, and is heavily impacted by human activities. We use high-resolution numerical simulations to study the physics and dynamics of coastal ocean circulation and its interaction with larger-scale ocean circulation, sea-floor topography, and estuarine and terrestrial systems. We develop and use advanced data assimilation methods, similar to those used in numerical weather prediction, to test dynamical hypotheses and to construct and analyze systems for the [numerical forecasting of coastal ocean conditions](http://agate.coas.oregonstate.edu/forecast_index.html) ([Kurapov](http://ceoas.oregonstate.edu/profile/kurapov/), [Lerczak](http://ceoas.oregonstate.edu/profile/lerczak/), [Samelson](http://ceoas.oregonstate.edu/profile/samelson/))

**Kerstin Cullen**

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*Degree Major:* Ocean, Earth, and Atmospheric Sciences  
*Major Professor/Advisor(s):* Emily Shroyer & Jonathan Nash  
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