

Kelp Forest Ecology Summer 2014

Principle Goals:

1. To introduce students to the existing knowledge, hypotheses, and disputes regarding the components of kelp forest communities and the ecological interactions that influence their structure and dynamics.
2. To familiarize students with critically reading primary published literature in marine kelp forest ecology.
3. To familiarize students with local Alaska marine subtidal flora and fauna.
4. To give students an opportunity to work underwater.
5. To provide students with experience in doing ecological research of their own including: formulating questions, collecting and analyzing ecological data, writing reports based on such data, and giving and receiving critical feedback.
6. *Graduate students will also be required to conduct their own research project and prepare a lecture on their research topic.

Grading:

Graduates

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| Paper Discussions: | 5 |
| Lecture | 10 |
| Individual Project | 20 |
| Organism Exam | 15 |
| Sampling Paper | 15 |
| Final Exam | 20 |
| Herbarium | 15 |

Recommended Courses: Invertebrate Zoology, Fish Biology, Ecology, Statistics

Recommended General Books:

- 1.

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| 31-May | Sat | <i>PSS dive</i> | PSS Lab | PSS Lab |
| 1-Jun | Sun | finish PSS Lab | enter data | Paper Discussions (Kelp Forest Ecology) |
| 2-Jun | Mon | off | Organism Quiz | Movie night... Blue Planet |
| 3-Jun | Tues | off | | |