

Assessment Impact by Course Objectives
Palau Community College
Program (ES) - Environmental Marine Science

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CLO: SC 201 - Oceanography: CLO 1

KNOWLEDGE: Student demonstrates knowledge of basic physical oceanography concepts.

CLO Assessment Cycle: 2014-2015 (Fall 2014)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Demonstrates knowledge of basic physical oceanography concepts by performing the following: explain the historical development of oceanography; discuss the use of oceans as a source of food and energy; explain the formation of ocean basins and their geological features; identify and describe sources of sediments and their distribution in world oceans; summarize the plate tectonics theory and seafloor spreading concepts; explain causes and effects of water's unusual properties. Signature assignment: Midterm Exam	70% of the students assessed will perform at the proficiency level.		Yes
Demonstrates knowledge of basic physical oceanography concepts by performing the following: demonstrates proper techniques in determining salinity of water samples, examines the dynamic interactions between the ocean and atmosphere; identify and describe factors affecting the distribution of marine organisms; explain impacts of marine pollution on marine life. Signature assignment: Final Exam	70% of the students assessed will perform at the proficiency level.		Yes
Describe composition of sea water, percent composition of salts and dissolved gases in ocean; apply appropriate investigative techniques to evaluate health of marine ecosystem, identify sources of pollutants, impacts on marine life, and generate a management plan to reduce and prevent further negative impacts to marine environment. Signature assignment: Lab Journal	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Midterm Exam - 12/26/2014 - 70% of the students assessed performed at the proficiency level. Expected Student Performance Met: Yes	12/26/2014 - No action needed at this time as the expected outcome has been met.		2014 - 2015 (Fall 2014)

CLO: SC 201 - Oceanography: CLO 2

SCIENTIFIC INVESTIGATION: Student designs an experiment to investigate a marine habitat and able to determine appropriate scientific techniques in field investigations to answer a question, gather and analyze data, and report findings.

CLO Assessment Cycle: 2014-2015 (Fall 2014)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Designs an experiment to investigate a marine habitat and able to determine appropriate scientific techniques in field investigations to answer a question, gather and analyze data, and report findings. Signature assignment: Lab Journal	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Lab Journal - 12/26/2014 - 70% of the students assessed performed at the proficiency level.	12/26/2014 - No action needed at this time as the expected outcome has been met.		2014 - 2015 (Fall 2014)
Expected Student Performance Met: Yes			

CLO: SC 201 - Oceanography: CLO 3

RESEARCH SKILLS: Students actively learns outside of the classroom and demonstrates ability to conduct library research.

CLO Assessment Cycle: 2014-2015 (Fall 2014)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Demonstrates ability to conduct library research and exhibit ability to locate, select, and prioritize appropriate literature and other sources outside of the classroom to analyze and examine a local environmental issue; demonstrate knowledge of issue by clearly identifying the problem and describes underlying cause(s) of the problem; correctly interprets information; analysis information, creatively propose original ideas to mitigate the problem and future prevention strategies, and draws conclusion based on research; written formal scientific paper apply all the MLA writing style format. Signature assignment: Research Project/Paper	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Research Project/Paper - 12/26/2014 - 70% of the students assessed performed at the proficiency level.	12/26/2014 - No action needed at this time as the expected outcome has been met.		2014 - 2015 (Fall 2014)
Expected Student Performance Met: Yes			

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed

CLO: SC 201 - Oceanography: CLO 4

KNOWLEDGE APPLICATION AND SHARING: Student shares knowledge to diverse audience by preparing and presenting a presentation of an oceanography issue to a local audience and engages in community activities to promote awareness of the issue and/or other oceanography issues at the local level.

CLO Assessment Cycle: 2014-2015 (Fall 2014)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Shares knowledge to diverse audience by preparing and presenting a presentation of an oceanography issue to a local audience and engages in community activities to promote awareness of the issue and/or other oceanography issues at the local level. Signature assignment: Research Project/Paper	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Research Project/Paper - 12/26/2014 - 70% of the students assessed performed at the proficiency level. Expected Student Performance Met: Yes	12/26/2014 - No action needed at this time as the expected outcome has been met.		2014 - 2015 (Fall 2014)