PLO Assessment Report - 4 Column

University of Guam Program (CNAS) - UG Chemistry

Mission Statement or To deliver a q Program Description: chemistry When is the next program Fall 2012 review due?: Program Assessment Plan Revised created or revised?: When was the last year of Fall 2009 program review? :	uality based program with sound chemical know	nowledge and provide relevant practical applications of	:
PLOs	Means of Assessment & Benchmarks / Tasks	Results	Action & Follow-Up
Program (CNAS) - UG Chemistry - Fundamental Chemical Concepts - Students will be able to demonstrate the knowledge of fundamental concepts of chemistry and its relevance to scientific method and other fields in science Year(s) to be Assessed: AY 11-12 Start Date: 03/02/2012 End Date: 10/18/2012 Outcome Status: Active	Assessment Tool Description: Portfolio evaluation by Communication Rubric Assessment Tool: Portfolio Evaluation Benchmark: All students score a 4.25 out of 5 on the rubric		
Program (CNAS) - UG Chemistry - Communication skills - Students must demonstrate the ability to clearly articulate, formulate, and communicate scientific information using computer, written, and oral skills Year(s) to be Assessed: AY 11-12 Start Date: 08/29/2011 End Date: 10/01/2012 Outcome Status: Active	Assessment Tool Description: Completed laboratory reports to be assessed using a standard rubric Assessment Tool: Portfolio Evaluation Benchmark: scoring form the rubric to be above 80%	10/01/2012 - The average score for all the written lab report was 81% for CH103, Spring 2012. Result Type: Benchmark Met Assessment Year: 2011-2012 Semester(s) Data Collected: Spring Related Documents: <u>Chemistry assessment report</u> 05/28/2012 - three essays graded: two score above 80% and one at 80% Result Type:	01/16/2013 - The average was taken from the lab reports scoring. Although this is 81%, a standard rubric was not applied. A rubric needs to be used for the coming cycle
· 40/04/2012 4:42 AM			

Means of Assessment & Benchmarks / Tasks	Results	Action & Follow-Up
	Benchmark Met Assessment Year: 2011-2012 Semester(s) Data Collected: Summer Related Documents: Essay rubric Chem assessment report	
Assessment Tool Description: Assessment of one laboratory report Assessment Tool: Presentation/Performance Benchmark: More than 90% students to receive more than 90% score	09/30/2012 - 60% of student scored above 90% Result Type: Benchmark Not Met Assessment Year: 2011-2012 Semester(s) Data Collected: Spring Related Documents: Seminar rubric	12/08/2012 - Provide student with the rubric before the presentation
	09/30/2012 - 60% of the students score above 90% Result Type: Benchmark Not Met Assessment Year: 2011-2012 Semester(s) Data Collected: Spring Related Documents: Chemistry Seminar Rubric	
	05/11/2012 - Lab chosen was Redox titration and the average score was 85.4% Result Type: Benchmark Not Met Assessment Year: 2011-2012 Semester(s) Data Collected: Spring	05/10/2013 - Need to repeat this assessment. Include the grading rubric in the prelab distribution.
	Tasks Assessment Tool Description: Assessment of one laboratory report Assessment Tool: Presentation/Performance Benchmark: More than 90% students to receive more	Tasks Results Benchmark Met Assessment Year: 2011-2012 Semester(s) Data Collected: Summer Summer Related Documents: Essay rubric Chem assessment report Sessessment report Assessment Tool Description: Assessment Tool: Presentation/Performance Benchmark: 09/30/2012 - 60% of student scored above 90% Result Type: Benchmark Not Met Assessment Year: 2011-2012 More than 90% students to receive more than 90% score 09/30/2012 - 60% of the students score above 90% Related Documents: Seminar rubric Semester(s) Data Collected: Spring Related Documents: Seminar rubric Semester(s) Data Collected: Spring Related Documents: Chemistry Seminar Rubric Of/11/2012 - 40% of the students score above 90% Result Type: Benchmark Not Met Assessment Year: 2011-2012 Semester(s) Data Collected: Spring Related Documents: Chemistry Seminar Rubric Of/11/2012 - Lab chosen was Redox titration and the average score was 85.4% Result Type: Benchmark Not Met Assessment Year: 2011-2012 Resture type: Benchmark Not Met Assessment Year: 2011-2012

PLOs	Means of Assessment & Benchmarks / Tasks	Results	Action & Follow-Up
	Assessment Tool: Presentation/Performance Benchmark: Students must score above 90% form the seminar rubrics		
	Assessment Tool Description: Pre and Post Test for CH102, CH103 Assessment Tool: Pre/Post Test Benchmark: An improvement of 20% above the pre-test	09/30/2012 - An improvement of 7.5% in the pre- post test. This is way below the benchmark Result Type: Benchmark Not Met Assessment Year: 2011-2012 Semester(s) Data Collected: Spring Related Documents: Chemistry assessment report	05/01/2012 - The benchmark to be revised to below 10%
Program (CNAS) - UG Chemistry - Critical thinking - Students must demonstrate critical thinking, problem solving skills and the ability to use chemical knowledge and mathematical skills to identify, evaluate, analyze, synthesize, and integrate data and abstract ideas in solving problems Year(s) to be Assessed:	Assessment Tool Description: Pre-Post test with 30 multiple choice covering the entire curriculum Assessment Tool: Pre/Post Test Benchmark: Average Post test score to be 10% better in post test	10/01/2012 - The average for the pretest was 10.25% and Post test was 17.75% Result Type: Benchmark Not Met Assessment Year: 2011-2012 Semester(s) Data Collected: Spring	01/22/2013 - Revise the Test and benchmark
AY 11-12 Start Date: 08/15/2011 End Date: 08/20/2012 Outcome Status: Active		09/30/2012 - Improvement of 7.5% olbtained Result Type: Benchmark Not Met Assessment Year: 2011-2012 Semester(s) Data Collected: Spring Related Documents: Pre and Post Test Result	05/01/2012 - Revise the 20% to 10%
		03/23/2012 - Class results show less than 20% Result Type: Benchmark Not Met Assessment Year: 2011-2012	03/23/2012 - Review the exam and include only relevant sections

PLOs	Means of Assessment & Benchmarks / Tasks	Results	Action & Follow-Up
		Semester(s) Data Collected: Fall	
Program (CNAS) - UG Chemistry - Fundamental Chemical Concepts_1 - Students will be able to demonstrate the knowledge of fundamental concepts of chemistry and its relevance to scientific method and other fields in science Year(s) to be Assessed: AY 11-12	Assessment Tool Description: Portfolio evaluation by Communication Rubric Assessment Tool: Portfolio Evaluation Benchmark: All students score a 4.25 out of 5 on the rubric		
Start Date: 03/02/2012 End Date: 10/18/2012 Outcome Status: Active			
Program (CNAS) - UG Chemistry - Fundamental Chemical Concepts_2 - Students will be able to demonstrate the knowledge of fundamental concepts of chemistry and its relevance to scientific method and other fields in science Year(s) to be Assessed: AY 11-12	Assessment Tool Description: Portfolio evaluation by Communication Rubric Assessment Tool: Portfolio Evaluation Benchmark: All students score a 4.25 out of 5 on the rubric		
Start Date: 03/02/2012 End Date: 10/18/2012 Outcome Status: Active			
Program (CNAS) - UG Chemistry - Fundamental Chemical Concepts_3 - Students will be able to demonstrate the knowledge of fundamental concepts of chemistry and its relevance to scientific method and other fields in science	Assessment Tool Description: Portfolio evaluation by Communication Rubric Assessment Tool: Portfolio Evaluation Benchmark:		
Year(s) to be Assessed: AY 11-12	All students score a 4.25 out of 5 on the rubric		
10/04/2012 4:13 AM	Generated by TracDat a p	roduct of Nuventive.	Page 4 of 5

PLOs	Means of Assessment & Benchmarks / Tasks	Results	Action & Follow-Up
Start Date:			
03/02/2012			
End Date:			
10/18/2012			
Outcome Status:			
Active			

PLO Assessment Report - 4 Column

University of Guam Program (CNAS) - UG Chemistry

Mission Statement or	To deliver a quality based program with sound chemical knowledge and provide relevant practical applications of
Program Description:	chemistry
When is the next program	Fall 2012
review due?:	
Program Assessment Plan	Revised
created or revised?:	
When was the last year of	Fall 2009
program review? :	

PLOs	Means of Assessment & Benchmarks / Tasks	Results	Action & Follow-Up
Program (CNAS) - UG Chemistry - Communication skills - Students must demonstrate the ability to clearly articulate, formulate, and communicate scientific information using computer, written, and oral skills Year(s) to be Assessed: AY 12-13 Start Date: 09/30/2012	Assessment Tool Description: Assessment of laboratory report using Rubric Assessment Tool: Presentation/Performance Benchmark: More than 90% students to receive more than 90% score	09/30/2013 - The average achieved was 85.5% which was below the benchmark Result Type: Benchmark Not Met Assessment Year: 2012-2013 Semester(s) Data Collected: Throughout the Year Related Documents: 2012-2013 Assessment Report	09/30/2014 - Need to repeat this for at least 4 lab reports and report the averages.
End Date: 09/30/2013		Lab Report Rubric	
Outcome Status: Active			
Program (CNAS) - UG Chemistry - Critical thinking - Students must demonstrate critical thinking, problem solving skills and the ability to use chemical knowledge and mathematical skills to identify, evaluate, analyze, synthesize, and integrate data and abstract ideas in solving problems Year(s) to be Assessed: AY 12-13	Assessment Tool Description: Pre-Post test with 30 multiple choice covering the entire curriculum Assessment Tool: Pre/Post Test Benchmark: Average Post test score to be 10% better in post test	09/30/2013 - An improvement of of 12.9% was achieved. Benchmark was met. Result Type: Benchmark Met Assessment Year: 2012-2013 Semester(s) Data Collected: Throughout the Year Related Documents:	09/30/2014 - Repeat the Test for the Upcoming semester, Fall 2013 and Spring 2014
Start Date: 09/30/2013 End Date: 09/30/2013 Outcome Status:		Pre-Post Test Results	
	Assessment Tool Description: Pre and Post Test Assessment Tool:	09/30/2013 - An 8.7% improvement was achieved. Benchmark not met. Result Type:	
10/00/2012 1:11 414			

Active	Pre/Post Test	Benchmark Not Met	
	Benchmark: An improvement of 10% in post test	Assessment Year: 2012-2013 Semester(s) Data Collected: Throughout the Year	
		Related Documents: 2012-2013 Assessment Report	

PLO Assessment Report - 4 Column

University of Guam Program (CNAS) - UG Chemistry

Mission Statement or	To deliver a quality based program with sound chemical knowledge and provide relevant practical applications of
Program Description:	chemistry
When is the next program	Fall 2012
review due?:	
Program Assessment Plan	Revised
created or revised?:	
When was the last year of	Fall 2009
program review? :	

PLOs	Means of Assessment & Benchmarks /	Results	Action & Follow-Up
Program (CNAS) - UG Chemistry - Critical thinking - Students must demonstrate critical thinking, problem solving skills and the ability to use chemical knowledge and mathematical skills to identify, evaluate, analyze, synthesize, and integrate data and abstract ideas in solving problems Year(s) to be Assessed: AY 13-14 Start Date: 09/30/2013 End Date: 09/30/2014 Outcome Status: Active	TasksAssessment Tool Description:Pre and Post TestAssessment Tool:Pre/Post TestBenchmark:An improvement of 10% in post test	09/30/2014 - CH102 FA2013 showed improvement of 15% - Benchmark was met CH103 SP2014 showed an 8% improvement - Benchmark not met Result Type: Benchmark Not Met Assessment Year: 2013-2014 Semester(s) Data Collected: Fall Related Documents: Assessment Report 2013-14	12/12/2014 - repeat test in F2014 and SP2015
	Assessment Tool Description: Insight Assessment tool, California Critical Thinking Skill Test (CCTST) was administered pre- and post-test in CH102 class of Fall 2013 Assessment Tool: Exam - Standardized Benchmark: Want to gauge the level of percentile for this cohort of Chemistry Freshman. Bench mark was to see an overall improvement in all skills tested.	05/16/2014 - There was a small improvement observed for all skills category. However, results was from a pilot and needs to be repeated Result Type: Benchmark Met Assessment Year: 2013-2014 Semester(s) Data Collected: Fall Related Documents: <u>Chem Assessment Report 2013-14</u>	

PLOs	Means of Assessment & Benchmarks / Tasks	Results	Action & Follow-Up
		Result Type: Benchmark Met Assessment Year: 2013-2014 Semester(s) Data Collected: Fall	12/12/2015 - Repeat test in Fall 2015 09/16/2015 - Needs to be repeated for the same cohort after 3 years
		Related Documents: CCTST_PostTestF13.pdf	