



Course Assessment Report - 4 Column

Great Basin College

Courses (SCI) - Physics

Course Outcomes 1 and ctu.unitid = 671	Means of Assessment & Criteria / Tasks	Results	Action & Follow-Up
PHYS 181 - Physics Scientist/Engr II - Speed of a wave - Determine the speed of a wave on a stretched string. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status: Active	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - Results: 100% Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation. Criterion Met: Yes Reporting Period: 2014-2015	
PHYS 181 - Physics Scientist/Engr II - Decibels - Determine the intensity in decibels from energy parameters. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status: Active	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 71% Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation. Criterion Met: Yes Reporting Period: 2014-2015	
PHYS 181 - Physics Scientist/Engr II - Wave Interference - Determine the effect of wave interference to produce standing waves. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status: Active	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 100% Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation. Criterion Met: Yes Reporting Period: 2014-2015	
PHYS 181 - Physics Scientist/Engr II - Thermal Expansion - Determine the thermal expansion of a solid. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status: Active	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 100% Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation. Criterion Met: Yes Reporting Period: 2014-2015	
PHYS 181 - Physics Scientist/Engr II - Calorimetry - Perform a calorimetry equation. Next Assessment: 2018-2019 Start Date: 10/02/2015	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 50% Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation. Criterion Met: Yes	

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Course Outcome Status: Active		Reporting Period: 2014-2015	
PHYS 181 - Physics Scientist/Engr II - Molecular speed - Explain the Boltzmann equation for molecular speed distribution in a gas. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status: Active	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 71% Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation. Criterion Met: Yes Reporting Period: 2014-2015	
PHYS 181 - Physics Scientist/Engr II - Efficiency of a gas engine - Utilize the concept of entropy to predict efficiency of a gas engine. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status: Active	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 57% Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation. Criterion Met: Yes Reporting Period: 2014-2015	
PHYS 181 - Physics Scientist/Engr II - Coulombs law. - Utilize correctly Coulombs law. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status: Active	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 71% Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation. Criterion Met: Yes Reporting Period: 2014-2015	
PHYS 181 - Physics Scientist/Engr II - Gauss' Law - Utilize Gauss' Law in solving a simple electric field problem. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status: Active	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 57% Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation. Criterion Met: Yes Reporting Period: 2014-2015	
PHYS 181 - Physics Scientist/Engr II - Charge Distribution - Determine the electric potential due to a charge distribution. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status:	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 86% Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation. Criterion Met: Yes Reporting Period: 2014-2015	

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Active			
PHYS 181 - Physics Scientist/Engr II - Capacitance - Calculate the capacitance of a metal plate arrangement. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status: Active	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 43% This area tied for second worst performing section. Criterion Met: No Reporting Period: 2014-2015	10/02/2015 - Spend more time on this material <hr/>
PHYS 181 - Physics Scientist/Engr II - Ohm's Law - Correctly utilize Ohm's Law. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status: Active	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 86% Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation. Criterion Met: Yes Reporting Period: 2014-2015	
PHYS 181 - Physics Scientist/Engr II - series and parallel networks - Solve a series and parallel resistor network. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status: Active	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 14% This was the worst performing area. Criterion Met: No Reporting Period: 2014-2015	10/02/2015 - Spend a great deal more time on this material <hr/>
PHYS 181 - Physics Scientist/Engr II - Origin of magnetic fields - Explain the origin of magnetic fields. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status: Active	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 57% Criterion Met: Yes Reporting Period: 2014-2015	
PHYS 181 - Physics Scientist/Engr II - Amperes law - Correctly utilize Amperes law in solving for a magnetic field. Next Assessment: 2018-2019 Start Date: 10/02/2015 Course Outcome Status: Active	Assessment Measure: Final Exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 43% This area tied with the second worst performance region. Criterion Met: No Reporting Period: 2014-2015	10/02/2015 - Spend more time on this material <hr/>
PHYS 181 - Physics Scientist/Engr II - Labs - Organize and clearly present data, draw and use			

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<p>graphs (using a spreadsheet program such as Excel), apply basic statistics to evaluate laboratory data, and produce lab reports which are clear, concise and accurately assess the results of the experiment with emphasis on safety.</p>	<p>Assessment Measure: Lab reports</p> <p>Assessment Measure Category: Assignment - Lab</p> <p>Criterion: General overall evaluation</p>	<p>10/02/2015 - Yes – this semester the quality of the lab reports ran high – certainly in the region one would expect from second semester students.</p> <p>Criterion Met: Yes and No</p> <p>Reporting Period: 2014-2015</p>	
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<p>Next Assessment: 2018-2019</p> <p>Start Date: 10/02/2015</p> <p>Course Outcome Status: Active</p>			