



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 180 - Physics Scientist/Engr I - Determine the density - Determine the density of an object if the physical parameters are known. Next Assessment: 2018-2019 Start Date: 09/30/2015 Course Outcome Status: Active	Assessment Measure: Final exam questions Assessment Measure Category: Exam Criterion: Either the question is correct or not.	09/30/2015 - 100% correct 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 180 - Physics Scientist/Engr I - Determine the distance - Determine the distance a rock falls as a function of time. Next Assessment: 2018-2019 Start Date: 09/30/2015 Course Outcome Status: Active	Assessment Measure: Final Exam Questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	09/30/2015 - 100% correct 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 180 - Physics Scientist/Engr I - Perform basic vector algebra. - Perform basic vector algebra. Next Assessment: 2018-2019 Start Date: 09/30/2015 Course Outcome Status: Active	Assessment Measure: Final exam questions Assessment Measure Category: Exam Criterion: Either the question is correct or not.	09/30/2015 - 92% correct 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 180 - Physics Scientist/Engr I - Parabolic Trajectory - Determine the parabolic trajectory of an object fired from a gun. 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 - 83% correct 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 180 - Physics Scientist/Engr I - Newton's Second Law - Utilize Newton's Second Law of motion – compare to Aristotle beliefs. Next Assessment: 2018-2019 Start Date:	Assessment Measure: Final exam questions Assessment Measure Category: Exam Criterion: Either the answer is correct or not.	10/02/2015 - 92% correct 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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10/02/2015 Course Outcome Status: Active		Reporting Period: 2014-2015	
PHYS 180 - Physics Scientist/Engr I - Friction and Spring Calculations - Demonstrate calculations involving friction or springs 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 - 83% correct 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 180 - Physics Scientist/Engr I - Newton's 3rd Law. - Utilize Newton's 3rd 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 - 25% This is the worst performing area. Criterion Met: No Reporting Period: 2014-2015	10/02/2015 - Spend more time on this material <hr/>
PHYS 180 - Physics Scientist/Engr I - Dynamics - Work problems correctly involving dynamics. 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 - 58% 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 180 - Physics Scientist/Engr I - Linear momentum - Work linear momentum and collision problems. 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 - 42% This is the second worst performing area. Criterion Met: No Reporting Period: 2014-2015	10/02/2015 - Spend more time on this material <hr/>
PHYS 180 - Physics Scientist/Engr I - Energy Problems - Work energy related problems. 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 - 83% 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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<p>PHYS 180 - Physics Scientist/Engr I - Summation of work processes - Solve problems that involve summation of work processes.</p> <p>Next Assessment: 2018-2019</p> <p>Start Date: 10/02/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Final exam questions</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: Either the answer is correct or not.</p>	<p>10/02/2015 - 67%</p> <p>Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation.</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	
<p>PHYS 180 - Physics Scientist/Engr I - Rotation of rigid body - Solve rotation of rigid body problems.</p> <p>Next Assessment: 2018-2019</p> <p>Start Date: 10/02/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Final exam questions</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: Either the answer is correct or not.</p>	<p>10/02/2015 - 50%</p> <p>Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation.</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	
<p>PHYS 180 - Physics Scientist/Engr I - Law of Universal Gravitation - Utilize the Law of Universal Gravitation including laser eye safety (from the lab)</p> <p>Next Assessment: 2018-2019</p> <p>Start Date: 10/02/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Final exam questions</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: Either the answer is correct or not.</p>	<p>10/02/2015 - 92%</p> <p>Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation.</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	
<p>PHYS 180 - Physics Scientist/Engr I - Waves - Solve problems dealing with waves and oscillations.</p> <p>Next Assessment: 2018-2019</p> <p>Start Date: 10/02/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Final exam questions</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: Either the answer is correct or not.</p>	<p>10/02/2015 - 83%</p> <p>Only the two lowest scoring outcomes will be considered for an action plan for this area to be placed into operation.</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	
<p>PHYS 180 - Physics Scientist/Engr I - Fluid Flow - Work a fluid flow problem dealing with density and pressure.</p> <p>Next Assessment: 2018-2019</p> <p>Start Date: 10/02/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Final Exam questions</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: Either the answer is correct or not.</p>	<p>10/02/2015 - 43%</p> <p>This area tied with the second worst performance region.</p> <p>Criterion Met: No</p> <p>Reporting Period: 2014-2015</p>	<p>10/02/2015 - Spend more time on this material</p>

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<p>PHYS 180 - Physics Scientist/Engr I - Labs - Organize and clearly present data, draw and use 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>Next Assessment: 2018-2019</p> <p>Start Date: 10/02/2015</p> <p>Course Outcome Status: Active</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 started out low but slowly increased to where the students remembered to put in units and include all of the asked for parameters. They were getting better as the semester progressed. Nothing to do here but pray they will retain the techniques of writing a good lab report.</p> <p>Criterion Met: Yes and No</p> <p>Reporting Period: 2014-2015</p>	