Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
A. Program Information				
Program Mission Stateme	nt			
How many criteria are met for the Program Mission statement?	Exceeds expectations for all 8 criteria - Excellent	Addresses 4 to 7 of the criteria - Needs Some Improvement to Meet the Standard	Addresses all 8 criteria - Meets the Standard	Addresses all 8 criteria Meets the Standard
Reader Feedback	This is an excellent mission statement. i think perhaps there is a typo in "STEMM" (?) Also it does not indicate the activities of the program beyond stating lecture and lab but that is probably appropriate in this context.	Overall, I think the program mission statement is clear and showcases the department well. My only critique is that the statement mentions lectures and labs but it would be beneficial to include a brief mention of what types of activities are completed through lecture and lab (are models used? hands-on experiments? active learning activities in lecture? etc) to give those interested in the program a better idea of what one can expect from classes in the Physics department. Or alternatively, this statement: "To support the college mission, we develop students'	The statement is good because it identifies the stakeholders as well as the primary function of the program. In my opinion, the statement is not distinctive to give it an excellent rating. I guess I was looking for the statement to say something like "The mission of the Foothill College Physics Department is to provide " I have heard great things about the Physics Department at Foothill in my over 30 years here, and I so respect the quality of instructors. I guess I wanted the statement to have a little more color, passion, fullness like the following: (I am stealing	N/A

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		collaborative learning, and critical thinking skills to help become informed global citizens and achieve their future goals." could be edited to include the types of activities that are used to develop students' reasoning, learning and critical thinking.	Academic Program Assessment Handbook) "The program promotes a commitment to continued scholarship and service among graduates and will foster a spirit of innovation." Maybe the word limit in the format of the program review prevented including too many words?	
Program Learning Outcor	mes			
Overall, this section:	Addresses 3 to 4 of the criteria - Needs Some Improvement to Meet the Standard	Addresses 3 to 4 of the criteria - Needs Some Improvement to Meet the Standard	Addresses all 5 criteria - Meets the Standard	Exceeds expectations for all 5 criteria - Excellent
Reader Feedback	These PLOs are excellent although the first (students will be able to solve word problems in physics) is very broad and could be written in such a way as to suggest that the outcome will be met through a gradual building toward higher level thinking. The other two PLOs (Writing lab reports and demonstrating skill with lower-level lab skill) are far	Overall, the PLOs are short but address most of the criteria well and are very student-centered which is great. My feedback for this part is related to the measurable learning outcomes. For measurable learning outcomes criteria: "properly manipulating basic mathematical formulae to arrive at the correct answers." This	Succinct, covers essential elements, understandable.	N/A

Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
	more narrow in scope and do not necessarily require scaffolding or higher order thinking. Lab skills do not necessarily require higher order thinking so perhaps this PLO could be expanded to include	seems a bit vague, what would be considered a correct answer and how can having the ability to arrive at the correct answer be measured outside of the classroom/in a job		
	expanded to include something about experimental design(?)	classroom/in a job setting/transferring to a university/etc? Maybe it could be reworded into something like "students will demonstrate the ability to properly manipulate mathematical formulae and apply the laws of physics to solve theoretical word problems" ? "Upon completion of the AS degree, students will demonstrate the ability to effectively communicate physics by crafting written		
		lab reports and/or giving oral presentations." What does it mean to communicate physics? What is being communicated about physics? This could be expanded upon.		

Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
B. FTES - Enrollment Tren	ds			
1. What does the FTES data trend indicate?	FTES has not changed or has decreased over the time span no more than 1% to 10% - Meets the Standard	FTES has not changed or has decreased over the time span no more than 1% to 10% - Meets the Standard	FTES has not changed or has decreased over the time span no more than 1% to 10% - Meets the Standard	FTES has not changed or has decreased over the time span no more than 1% to 10% - Meets the Standard
-	on - Discuss the factors that woo rease or decrease in the trend.	uld help the college understa	nd these trends and whether	there are tangible reasons
Overall, in this section:	The narrative includes fewer than 3 of the criteria - Needs Major Improvement to Meet the Standard	The narrative includes all 4 of the criteria - Meets the Standard	The narrative includes all 4 of the criteria - Meets the Standard	The narrative includes all 4 of the criteria - Meets the Standard
FTES Action Narrative (if a	applicable) - <i>Describe the propo</i>	sed actions for stabilizing/ind	creasing the FTES.	
Overall, in this section:	The narrative is not included	The narrative includes all 5 of the criteria - Meets the Standard	The narrative is not included	The narrative includes all 5 of the criteria - Meets the Standard
Reader Feedback	FTES meets the standard and so Action statements are not required	The FTES has decreased by a very small amount over time which is good. It is mentioned that the numbers recovered due to larger class size through distance-education in the pandemic. How will this change if the physics department returns to in- person learning? Will these	This time frame covers shelter-in-place due to Covid. Not only was this department affected, but our entire college and district. I commend the Physics Department for persevering with larger classes sizes even though they lost a full-time instructor.	N/A

Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
		higher class sizes be		
		maintained as the		
		department transitions		
		back to on-campus or does		
		the physics department		
		expect to continue to offer		
		online sections to maintain		
		higher class sizes? It could		
		be important to		
		address this in the		
		narrative to show that		
		there is an action plan in		
		place to either maintain		
		larger class sizes through		
		online sections or through		
		increases to in-person sections.		
C. Sections - Enrollment Tr				
Section Narrative Explanation	tion (If Applicable) - Explain w	hy the number of sections is f	lat, increased or decreased.	
Overall, in this section:	The narrative exceeds	The narrative exceeds	The narrative includes all 4	The narrative includes all 4
	expectations - the	expectations - the	of the criteria - Meets the	of the criteria - Meets the
	narrative could be used as	narrative could be used as	Standard	Standard
	an exemplar - Excellent	an exemplar – Excellent		
Section Narrative Explana	tion (If Applicable) - <i>Explain w</i>	hy the number of sections inc	reased while FTES decreased.	
Overall, in this section:		The narrative includes all 3	The narrative includes all 3	The narrative includes all 3
		of the criteria - Meets the Standard	of the criteria - Meets the Standard	of the criteria - Meets the Standard
Reader Feedback	N/A	Not applicable.	Explanation is minimal but adequate. Most of the	N/A

Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
			focus is outside of	
			department control where	
			the opportunity to	
			describe department	
			efforts to increase	
			enrollment, such as	
			Physics Show, could have	
			been mentioned (again	
			and again).	
D. Productivity - Enrollme	nt Trends			
1. What does the data	The program productivity	The program productivity	The program productivity	The program productivity
indicate about the	trend has increased or has	trend has increased or has	trend has increased or has	trend has increased or has
productivity trend?	reached its maximum -	reached its maximum –	reached its maximum -	reached its maximum -
	Excellent	Excellent	Excellent	Excellent
Productivity Narrative Exp	lanation (If Applicable) - Expla	in why the productivity is flat	t, increased or decreased.	
Overall, in this section:	The narrative exceeds	The narrative includes all 3	The narrative includes all 3	
	expectations – the	of the criteria - Meets the	of the criteria - Meets the	
	narrative could be used as	Standard	Standard	
	an exemplar – Excellent			
Productivity Action Narrat	tive (If Applicable) - <i>Describe tl</i>	he proposed actions for stabil	izing/increasing the producti	vity number.
Overall, in this section:	The narrative is not	The narrative includes all 5	The narrative includes all 5	
-	included	of the criteria - Meets the	of the criteria - Meets the	
		Standard	Standard	
Reader Feedback	Narrative not needed	The increase in	Despite the difficulties	Not applicable as
	because productivity has	productivity is quite high,	faced by the Physics	productivity is increasing.
	increased	which is great, but it is also	Department, they did a	-
		mentioned that this has	-	

Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
		been achieved through non-sustainable means	great job increasing productivity numbers.	
		and proposes an		
		alternative that is		
		addressed later on. The		
		department has proposed		
		to eliminate double-lab		
		lectures and decrease the		
		amount of students in one		
		lecture so that students		
		can receive more attention		
		and new pedagogical		
		strategies can be		
		implemented. This seems		
		like a measurable solution		
		for the problem.		

#### E. Enrollment by Student Demographics

#### a. Enrollment by Gender

Enrollment by Gender Narrative Explanation - Explain why the enrollment rates is flat, increased or decrease for male, female, or non-binary.

Overall, in this section:	The narrative exceeds expectations – the narrative could be used as an exemplar - Excellent	The narrative includes all 3 of the criteria - Meets the Standard	The narrative exceeds expectations – the narrative could be used as an exemplar - Excellent	The narrative includes all 3 of the criteria - Meets the Standard
2. Does your program differ in the percentage of males to females, in this most recent year, compared to the College?	The difference between the gender/sex is between 11% to 20% - Meets the Standard	The difference between the gender/sex is greater than 30% - Needs Major Improvement to Meet the Standard	The difference between the gender/sex is between 21% to 30% - Needs Some Improvement to Meet the Standard	The difference between the gender/sex is between 21% to 30% - Needs Some Improvement to Meet the Standard

Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
(College 2020-21 = 52%Female, 46% Male)				
Enrollment by Gender Act program taking to achieve	ion Narrative (If Applicable) - <i>V</i> e parity?	Vhat is the source of gender of	disparity and what proposed/	planned actions is the
Overall, in this section:	The narrative includes 4 of the criteria - Needs Some Improvement to Meet the Standard	The narrative includes all 5 of the criteria - Meets the Standard	The narrative exceeds expectations – the narrative could be used as an exemplar – Excellent	The narrative includes all s of the criteria - Meets the Standard
3. What does the data trend indicate about enrollment (headcount) by gender of declared majors in the program?	The Gender gap by declared major is greater than 30% - Needs Major Improvement to Meet the Standard	The Gender gap by declared major is greater than 30% - Needs Major Improvement to Meet the Standard	The Gender gap by declared major is greater than 30% - Needs Major Improvement to Meet the Standard	The Gender gap by declared major is betweer 21% and 30% - Needs Some Improvement to Meet the Standard
Reader Feedback	As mentioned in narrative for Enrollment by Gender, the number of female- identifying physics majors with baccalaureate degrees nationally is less than 25%. Foothill demographics show 27% of physics majors identify as female. This reveals a trend that will require time and strong shifts in cultural trends to repair. Foothill Physics department is mindful of this disparity and is taking some action to address it.	Although I had to select "Needs major improvement to meet the standard" because the gender gap was greater than 30%, I do not feel this is under control of the department nor a fault of the department, as this matches national trends for physics majors. I don't think this needs major improvement to meet the standard as the department already seems to be making efforts to decrease the gender gap	Although the gender gap by declared is greater than 30%, the Physics Department does a great job of trying to attract all students and strives to do better. The national average for females declaring Physics is less than 25%, Foothill a little better at 27%. The Physics Department recognizes that there is a great gender disparity and has taken efforts to make classes more welcoming to women. As the writer of	N/A

Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
		as well, which has shown an increase in enrollment of female students.	this report mentions, efforts include highlighting contributions of women, being open about discussion of gender inequity, and minimizing problems in homework regarding sports or military. Finally, the department focuses on hiring women for the Physics Show to help disrupt harmful stereotypes. This is all very commendable.	
b. Enrollment by Ethnicity				
Does your program differ in enrollment distribution among ethnic groups, in this most recent year, compared to the College enrollment by ethnic group?	The enrollment does not mirror the college's ethnic distribution - Needs Some Improvement to Meet the Standard	The enrollment does not mirror the college's ethnic distribution - Needs Some Improvement to Meet the Standard	The enrollment does not mirror the college's ethnic distribution - Needs Some Improvement to Meet the Standard	The enrollment does not mirror the college's ethnic distribution - Needs Some Improvement to Meet the Standard
(College 2020-21 = 5% African American, 28% Asian, 5% Filipinx, 28% Latinx, 1% Native American, 1% Pacific Islander, 29% White, 4%Decline to State)				

Physics Program Review	W			
Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
Enrollment by Ethnicity N (address each ethnic grou	arrative Explanation (If Applica p by bullet point).	ble) - Explain changes identij	fied over the past five years fo	or each ethnic group
Overall, in this section:	The narrative exceeds expectations – the narrative could be used as an exemplar - Excellent	The narrative includes all 3 of the criteria - Meets the Standard	The narrative includes all 3 of the criteria - Meets the Standard	The narrative includes all 3 of the criteria - Meets the Standard
Enrollment by Ethnicity A group within the program	ction Narrative (If Applicable) - n.	Describe the proposed action	ns for addressing disparities in	n enrollment by ethnic
Overall, in this section:	The narrative includes 4 of the criteria - Needs Some Improvement to Meet the Standard	The narrative includes all 5 of the criteria - Meets the Standard	The narrative includes all 5 of the criteria - Meets the Standard	The narrative includes all 5 of the criteria - Meets the Standard
Reader Feedback	Physics has disparities from college enrollment in most categories (except where the numbers are very low). White and Latina/Latino enrollment is lower than college average, while Asian enrollment is significantly higher. The action proposed in the narrative (ie taking a blended lecture-lab approach with an accompanying smaller class size) promises to encourage engagement and community building across all groups.	As mentioned previously, I like the proposed method of decreasing lecture sizes. Is there something else that can be done to market the physics department to African- American and Latinx students? Maybe students of these demographics in the college could take a survey and share why they may or may not be interested in physics?	Again, I think the Physics department is doing all it can to equitably appeal to all ethnicities. Also the idea of eliminating double- lab lectures can be a step in allowing students to feel more included and a step in community building. The Physics department is focusing on moving away from large lectures to allow for better community building. The department also encourages focusing on students who have been underserved by our	N/A

Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
	Published studies on the		educational system. It is	
	effect of small class size in		important to recognize and	
	STEM disciplines suggest		commend efforts to	
	that small class size alone		narrowing the	
	is likely less important in		achievement gap.	
	closing the achievement			
	gap than is the increased			
	active learning that would			
	accompany a shift to the			
	proposed blended lecture-			
	lab classroom. Taken			
	together (ie a smaller class			
	size combined with the			
	increase in active learning			
	in a blended lecture-lab),			
	the Physics department			
	would greatly enhance its			
	ability to support students			
	in ways that have been			
	proven to improve the			
	success rates of targeted			
	disadvantaged groups.			
F. Student Course Success				
a. Student Course Success				
1. What does the data	Course success has	Course success has	Course success has been	Course success has
trend indicate about	improved over the time	improved over the time	flat or decreased over the	improved over the time
overall course success?	span - Excellent	span - Excellent	time span by no more than	span - Excellent
			2 percentage point - Meets the Standard	

Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
	arrative Explanation - If the da programmatic factors led to su		ecrease, or no change in stud	ents' course success
Overall, in this section:	The narrative includes all 3 of the criteria - Meets the Standard	The narrative includes all 3 of the criteria - Meets the Standard	The narrative exceeds expectations – the narrative could be used as an exemplar - Excellent	The narrative includes all 3 of the criteria - Meets the Standard
Student Course Success A percentages.	ction Narrative (If Applicable) -	Describe the proposed action	ns for stabilizing/increasing th	he student's course success
Overall, in this section:	The narrative includes all 5 of the criteria - Meets the Standard	The narrative includes 4 of the criteria - Needs Some Improvement to Meet the Standard	The narrative includes all 5 of the criteria - Meets the Standard	The narrative includes all 5 of the criteria - Meets the Standard
Reader Feedback		The elimination of double- lab lectures is mentioned again which is good, as it shows the physics department is serious about implementing this change. It is also mentioned that the calculus/math sequence in this major is really long and if students don't pass, it extends their time at Foothill. Has there been any communication between the physics and (presumably) math department on what can be done to mitigate this?	So much of the success of the Physics department also depends on the success of other subjects like math, chemistry, engineering, biology, and computer science. For example, if you wanted a degree in physics, you need to begin by taking English 1A, Calculus 1A, Chemistry 25, and Physics 2A. Fail in one of these other areas, you lose a student. In my experience, this type of study is only attempted by very accomplished students,	N/A

Rubric Evaluation	Kathy Armstrong	Harmony Folse	Al Guzman	Ram Subramaniam
	(Same Division Faculty)	(Faculty At-Large)	(Staff At-Large)	(Administrator)
			mostly English as a first	
			language or very	
			competent in English. With	
			this type of academic	
			demand, or expectation, it	
			is no wonder that success	
			rates are as high as they	
			are.	
b. Student Course Success k	by Student Groups			
3. Is there a course	The gap between the two	The gap between the two	The gap between the two	The gap between the two
success gap between	groups has increased over	groups has increased over	groups has not changed	groups has not changed
African-American, Latinx,	the time span - Needs	the time span - Needs	over the time span - Needs	over the time span - Needs
Filipinx student groups	Major Improvement to	Major Improvement to	Some Improvement to	Some Improvement to
and Asian, Native	Meet the Standard	Meet the Standard	Meet the Standard	Meet the Standard
American, Pacific Islander,				
White, Decline to State				
student groups?				
Course Success by Student	Groups Narrative Explanation	• - Explain why the course suc	cess gap is flat, increased or a	lecreased.
Overall, in this section:	The narrative includes all 3	The narrative includes 2 of	The narrative includes all 3	The narrative includes all 3
	of the criteria - Meets the	the criteria - Needs Some	of the criteria - Meets the	of the criteria - Meets the
	Standard	Improvement to Meet the	Standard	Standard
		Standard		
Course Success by Student	Groups Action Narrative (If A	pplicable) - What actions are	program faculty and staff en	gaged in to decrease the
	n African-American, Latinx, ai		d Asian, Native American, Pac	
Overall, in this section:	The narrative includes 4 of	The narrative includes all 5	The narrative includes all 5	The narrative includes all 5
	the criteria - Needs Some	of the criteria - Meets the	of the criteria - Meets the	of the criteria - Meets the
	Improvement to Meet the	Standard	Standard	Standard
	•			

Rubric Evaluation	Kathy Armstrong	Harmony Folse	Al Guzman	Ram Subramaniam
	(Same Division Faculty)	(Faculty At-Large)	(Staff At-Large)	(Administrator)
Reader Feedback	Data is divided on the value of small class size in narrowing the achievement gap in STEM so eliminating the double- lab lecture does not alone promise improvement. However, the Physics department's desire to integrate lab with lecture and their continual attention to active learning pedagogy does support taking such a bold action.	My one comment is that I noticed course success for African-American, Latinx and Filipinx has stayed the same over the 5 year period but it looks like the amount of students who withdrew actually slightly increased over the 5 year period. I did not see this increase addressed in the narrative. Can specific issues other than the large lecture sizes be identified as a reason for why these groups are leaving the program at an increased rate?	As the author of this report mentions, Physics is a White and Asian mail dominated field, and I agree. I believe this is especially true during the Covid shelter-in-place that required virtual instruction. For ideal virtual instruction, access to the best and latest equipment is ideal. Also, consistent suitable environments of study is also ideal. Many underserved populations do not have access to the best equipment or the best consistent connections of internet service. Also, to have necessary environments for study - such as a quiet, undisturbed space -is usually lacking. These are elements outside of control our Physics department, but they are still aware of the	N/A

Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
			disparities and do their best to address.	
G. Student Course Succes	s by Demographics			
a. Student Course Success	s by Gender			
What does the data				
indicate about course				
success?				
Female	Course success has improved over the time span - Excellent	Course success has improved over the time span – Excellent	Course success has improved over the time span - Excellent	Course success has improved over the time span - Excellent
Male	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard
Non-binary	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	

Course Success by Gender Narrative Explanation - If the data trend shows an increase, decrease, or no change/flat in the male, female, or nonbinary student course success percentages, explain why the percentage is flat, increased or decreased.

Overall, in this section:	The narrative exceeds	The narrative includes all 3	The narrative includes all 3	The narrative includes all 3
	expectations - the	of the criteria - Meets the	of the criteria - Meets the	of the criteria - Meets the
	narrative could be used as an exemplar – Excellent	Standard	Standard	Standard

Rubric Evaluation	Kathy Armstrong	Harmony Folse	Al Guzman	Ram Subramaniam
	(Same Division Faculty)	(Faculty At-Large)	(Staff At-Large)	(Administrator)
Course Success by Gender male, female, or non-bina	r Action Narrative (If Applicable ary.	e) - Describe proposed actions	s to stabilize/increase the cou	rse success rates for either
Overall, in this section:	The narrative includes all 5	The narrative includes all 5	The narrative includes all 3	The narrative includes all 5
	of the criteria - Meets the	of the criteria - Meets the	of the criteria - Meets the	of the criteria - Meets the
	Standard	Standard	Standard	Standard
Reader Feedback	N/A	The physics department once again mentions their efforts to continue to increase their course success rate which is great.	In this particular case, women are definitely improving in success numbers. This is a definite win.	N/A

b. Student Course Success	b. Student Course Success by Ethnicity					
What does the data trend indicate about program student course success by ethnicity?						
African Americans	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has improved over the time span - Excellent	Course success has improved over the time span - Excellent	Course success has improved over the time span - Excellent		
Asian	Course success has improved over the time span – Excellent	Course success has improved over the time span - Excellent	Course success has improved over the time span - Excellent	Course success has improved over the time span - Excellent		
Filipinx	Course success has been flat or decreased over the	Course success has decreased over the time	Course success has decreased over the time	Course success has been flat or decreased over the		

Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
	time span by no more than 2 percentage point - Meets the Standard	span by more than 4 percentage points - Needs Major Improvement to Meet the Standard	span by more than 4 percentage points - Needs Major Improvement to Meet the Standard	time span by no more than 2 percentage point - Meets the Standard
Latinx	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has improved over the time span - Excellent	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard
Native American	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has improved over the time span - Excellent	Course success has improved over the time span - Excellent
Pacific Islander	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has improved over the time span - Excellent	Course success has improved over the time span - Excellent
White	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has improved over the time span - Excellent	Course success has improved over the time span - Excellent	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard
Decline to State	Course success has decreased over the time span by no more than 4 percentage points - Needs	Course success has been flat or decreased over the time span by no more than 2 percentage point - Meets the Standard	Course success has decreased over the time span by more than 4 percentage points - Needs	

Rubric Evaluation	Kathy Armstrong (Same Division Faculty)	Harmony Folse (Faculty At-Large)	Al Guzman (Staff At-Large)	Ram Subramaniam (Administrator)
	Some Improvement to		Major Improvement to	
	Meet the Standard		Meet the Standard	
	y Ethnicity Narrative Explanation test in the second second second second second second second second second se			
Overall, in this section:	The narrative includes all 3	The narrative includes all 3	The narrative includes all 3	The narrative includes all 3
	of the criteria - Meets the Standard	of the criteria - Meets the Standard	of the criteria - Meets the Standard	of the criteria - Meets the Standard
Student Course Success b	y Ethnicity Narrative Explanation	on (If Applicable) - Describe th	he reasons for the gap in cour	se success.
Overall, in this section:	The narrative includes all 3 of the criteria - Meets the	The narrative includes all 3 of the criteria - Meets the	The narrative includes all 3 of the criteria - Meets the	The narrative includes all 3 of the criteria - Meets the
	Standard	Standard	Standard	Standard
Student Course Success b success by ethnicity.	y Ethnicity Action Narrative (If	Applicable) - <i>Describe the pro</i>	oposed actions for stabilizing,	improving the course
Overall, in this section:	The narrative includes 4 of	The narrative includes all 5	The narrative includes all 5	The narrative includes all 5
	the criteria - Needs Some	of the criteria - Meets the	of the criteria - Meets the	of the criteria - Meets the
	Improvement to Meet the	Standard	Standard	Standard

	Standard			
Reader Feedback	The data on success rates	I think overall the physics	I applaud the Physics	Overall, this is a well
	does not show a clear	department is well aware	department for its efforts	written program review:
	trend in the African	of the disparity between	to outreach to local high	reflective and has clear
	American success rates.	genders and ethnicity	schools and the	action items. We are
	Filipinx success rates did	groups in the field. This is	community at large. I	currently offering single
	not change significantly in	something prevalent at the	appreciate the passion and	sections. We will look at
	three years suggesting that	national level, not only in	energy it takes to continue	this year's data and make
	the first data point (2016-	the department. They have	these efforts, especially	some adjustments and

Rubric Evaluation	Kathy Armstrong	Harmony Folse	Al Guzman	Ram Subramaniam
	(Same Division Faculty)	(Faculty At-Large)	(Staff At-Large)	(Administrator)
	17) was an anomaly. Otherwise the decrease in success rate for students who have declined to state their ethnicity does correlate with the enrollment numbers in that category shifting to the Asian category and so as mentioned in the Narrative this trend can be explained. Overall there have been improvements in success rates for non- targeted groups. The Physics department seems well aware of this issue and is appropriately focused on addressing it by moving to a novel lecture- lab learning environment in which community building and active learning may be maximized.	proposed methods to make lectures more inclusive and also proposed methods to increase their cultural humility by attending professional development workshops.	when it comes to the Physics Show which is given several times a year.	explore this as a more sustaining solution.