

BASIC PROGRAM INFORMATION

Program Review is a self-study of your discipline. It is about documenting the plans you have for improving student success in your program and sharing that information with the college community. Through the review of and reflection on key program elements, program review and planning identifies program strengths as well as strategies necessary to improve the academic discipline, program, or service to support student success. With that in mind, please answer the following questions:

Discipline Name: Physical Science

Department Name: Physics & Engineering

Division Name: Math and Natural Health Sciences

Please list all participants in this Program Review :

Name	Position
Hector Garcia Villa	Assistant professor
Takashi Nakajima	Chair/Professor

Number of Full Time Faculty: 1 **Number of Part Time Faculty:** _____

Please list the Classified positions (and their FTE) that support this discipline:

One 20% Academic Department Assistance and One 50% Lab Technician

What additional hourly staff support this discipline and/or department:

None

Discipline mission statement: [Link to "How to Build a Mission Statement"](#)

The mission of Physical Science Program is to prepare students for transfer in various Physics, Chemistry, Earth Science, and related fields of study at four-year-universities by educating them in fundamental concepts, knowledge, critical thinking, and hands-on skills using industry standard equipment and laboratory techniques and skills of Physical Science.

List any new degrees and certificates offered within this discipline since your last comprehensive review:

Discipline Level Data: <https://sharepoint2.palomar.edu/sites/IRPA/SitePages/PRP%20Summary%20Source.aspx>

SECTION 1: PROGRAM REFLECTION

1A. Program Analysis: Reflect upon and provide an analysis of your summary data.

Our retention rate is very good, although the passing rate has declined somewhat in the last year. We need to improve that.

1B. Standards: ACCJC requires that colleges establish institutional and program level standards in the area of course success rates. These standards represent the lowest success rate (% A, B, C, or Credit) deemed acceptable by the College. In other words, if you were to notice a drop below the rate, you would seek further information to examine why the drop occurred and strategies to address the rate.

Discipline Level Course Success Rate:

- A. The College's institutional standard for course success rate is **70%**.
- B. Review your discipline's course success rates over the past five years.
- C. Identify the minimum acceptable course success rate for your discipline. When setting this rate, consider the level of curriculum (e.g., basic skills, AA, Transfer) and other factors that influence success rates within your area. If you set your discipline standard below the College's standard, please explain why.

Standard for Discipline Course Success Rate: 70

Why?

1C. Program Update: Describe your proudest moments or achievements related to student success and outcome.

Our proudest moments in the last year were when students were able to build a simple electric motor in the lab using the ideas they had learned in the lecture.

Another very proud moment was when, after students took newly made online homework activities, they performed better in the exams.

1D. Program Improvement: What areas or activities are you working on this year to improve your program? Please respond to new data as well as feedback from last year's program review.

Since fall 2016, we have hired a full time instructor who can manage Physical Science Discipline. He is modifying Physical Science lab topics and continues to do so for next two years, while he is also working on standardize physical science lectures.

1E. Unanticipated Factors: Have there been any unanticipated factors that have affected the progress of your previous plan?

1F. SLOACs: Describe your course and program SLO activities this past year. How have you used the results of your assessments to improve your courses and programs? [Refer to the SLO/PRP report – https://outcomes.palomar.edu:8443/tracdat/](https://outcomes.palomar.edu:8443/tracdat/)

Physical Science lectures (both 100 and 101) are done. However, as mentioned above, the lab sections are under modification. It will take a few years before we can asses SLOAC.

SECTION 2: PROGRAM GOALS

2A. Progress on Previous Year's Goals: Please list discipline goals from the previous year's reviews and provide an update by checking the appropriate status box .

Goal	Completed	Ongoing	No Longer a Goal
Goal #1: Better communication with CSUSM	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Goal #2: Upgrading/replacing PHSC lecture demo and lab equipment	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Goal #3: Reclaim priority scheduling right of NS-259 - It was totally ignored	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Goal #4: We need lecture rooms to hold 48 students to parallel with	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2B. New Discipline Goals: Please list all discipline goals for this three-year planning cycle (including those continued from previous planning cycle):

GOAL #1	
Program or discipline goal	
Strategies for implementation	
Timeline for Implementation	
Outcome(s) expected (qualitative/quantitative)	
GOAL #2	
Program or discipline goal	
Strategies for implementation	
Timeline for Implementation	
Outcome(s) expected (qualitative/quantitative)	
GOAL #3	
Program or discipline goal	
Strategies for implementation	
Timeline for Implementation	
Outcome(s) expected (qualitative/quantitative)	

**Department Chair/
Designee Signature:**

Takashi Nakajima Digitally signed by Takashi Nakajima
DN: cn=Takashi Nakajima, o=Palomar College, ou=Physics
& Engineering Department,
email=tnakajima@palomar.edu, c=US
Date: 2017.04.03 15:36:11 -0700

Date: 04/03/2017

Division Dean Signature:

Date: _____

Vice President Signature:

Date: _____