

INSTRUCTIONAL ANNUAL PROGRAM PLANNING WORKSHEET FOR 2016-2017

CURRENT YEAR: 2015-2016

PROGRAM: PHYSICS

CLUSTER: 1 – SCIENCES AND MATH

LAST YEAR CPPR COMPLETED: 2014

NEXT SCHEDULED CPPR: 2019

CURRENT DATE: FEBRUARY 2016

This APPW encompasses the following degrees and/or certificates: AS - Physics

GENERAL PROGRAM UPDATE

No significant changes to program, mission, or purpose.

DATA ANALYSIS AND PROGRAM-SPECIFIC MEASUREMENTS

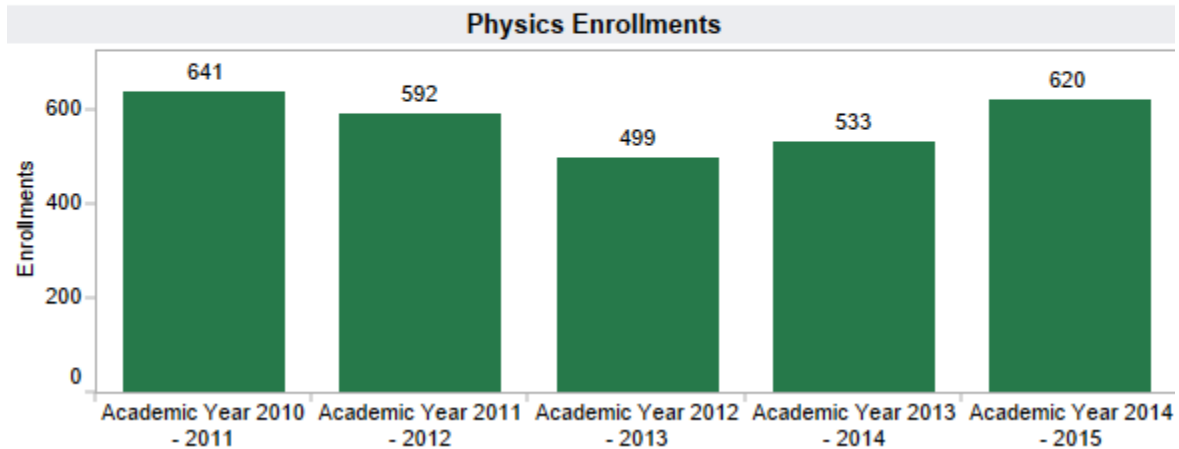
Enrollment (Insert Data Chart)

Chart 1: All PHYS Enrollments

SLOCCCD Program Review Data - Enrollment

Department:
Physics

Course:
All



Looking at Chart 1, it is apparent that the enrollments have declined over the last three years. Aside from the fact that the District overall has also seen a drop in enrollments, lack of faculty to teach courses (especially in the PHYS 208 sequence) has been another factor in this drop. This trend was arrested last year when a full-time faculty member was added to the schedule. The projection is for the demand to remain largely flat in parallel to the overall growth of the District.

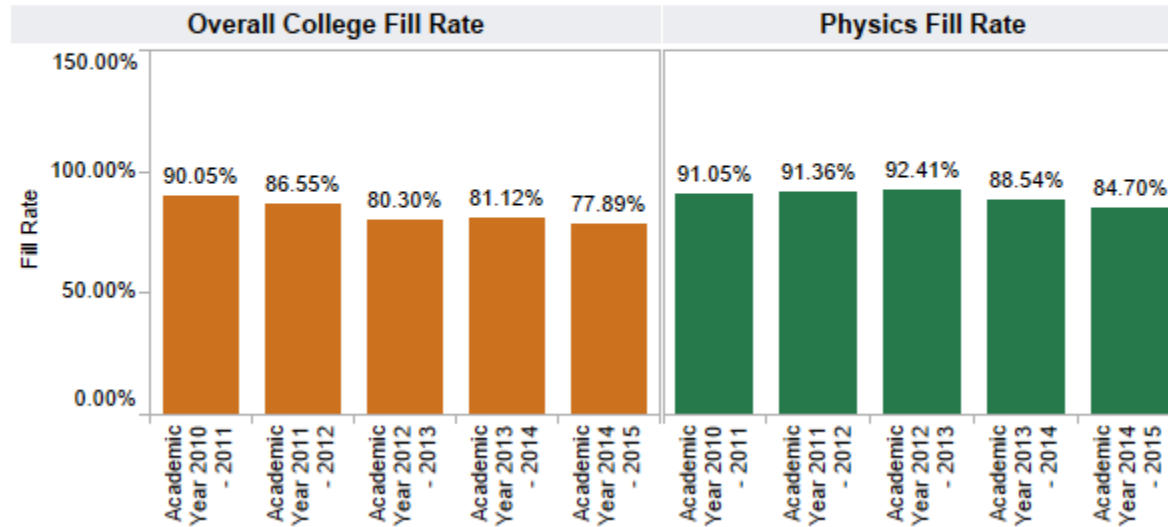
Student Demand (Fill Rate) (Insert Data Chart)

Chart 2: Fill Rate

SLOCCCD Program Review Data - Student Demand (Fill Rate)

Department:
Physics

Course:
All



Fill rates in PHYS courses are declining. This is due to a decrease in student demand for PHYS 208 courses. That decrease is offset somewhat by an increase in student demand for PHYS 205 courses. This may be due to curricular changes at Cal Poly and other institutions.

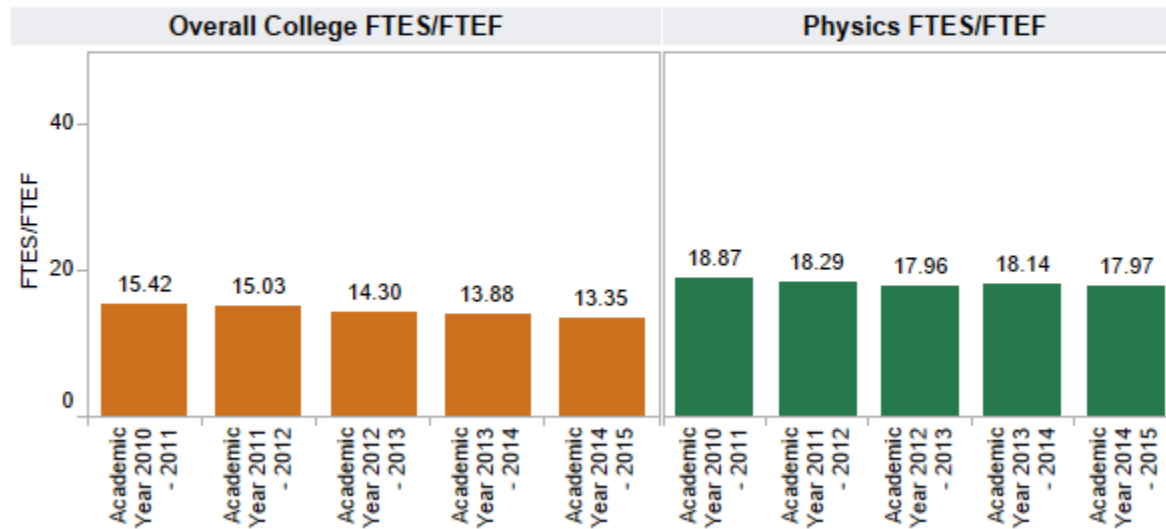
Efficiency (FTES/FTEF) (Insert Data Chart)

Chart 3: FTES/FTEF for all PHYS Courses:

SLOCCCD Program Review Data - Efficiency (FTES/FTEF)

Department:
Physics

Course:
All



The efficiency for all PHYS courses has remained fairly consistent over the past three years. Given our current facilities and faculty limitations, no change is expected.

Student Success – Course Completion (Insert Data Chart)

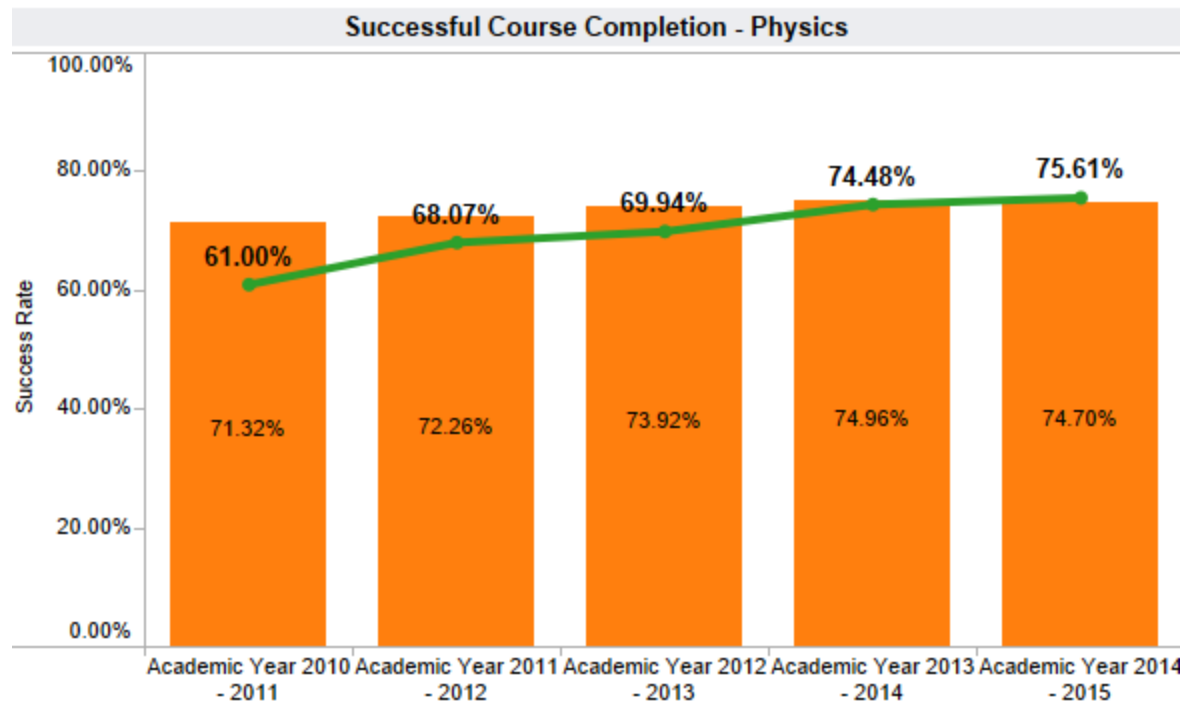
Chart 4: Course Completion (All PHYS courses)

SLOCCCD Program Review Data: Successful Course Completion

Select Department:
Physics

COURSE
All

Legend:
■ Department Success Rate
■ Overall College Success Rate



Physics Success Rate Table

	Academic Year 2010 - 2011	Academic Year 2011 - 2012	Academic Year 2012 - 2013	Academic Year 2013 - 2014	Academic Year 2014 - 2015
Department Success..	61.00%	68.07%	69.94%	74.48%	75.61%
Total Enrollments	641	592	499	533	620

Support courses for PHYS 208A and PHYS 208B were reinstated last year. Department faculty will continue to assess student learning outcomes and make changes to improve student success.

Student Success—Course Modality (Insert Data Chart)

- List strategies used during the last year in which data was reported to increase student success.
- Did your strategies effect change?
- List the trend (*i.e. increasing, decreasing, same*).
- Based upon the trend, what strategies do you plan on implementing?

All PHYS courses are taught in a face-to-face modality.

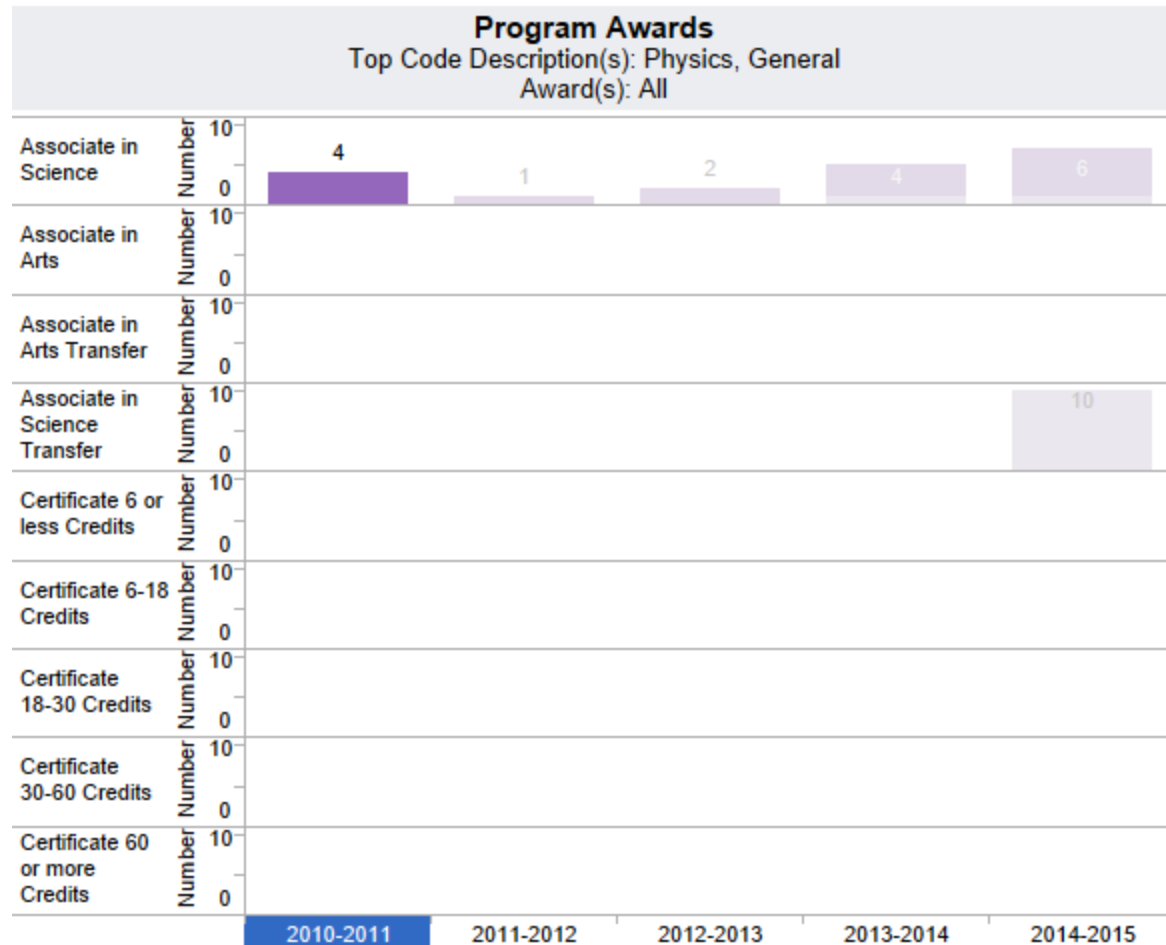
Degrees and Certificates Awarded (Insert Data Chart)

Chart 6: Program Awards – PHYS

SLOCCCD Program Review Data: Degrees and Certificates Awarded

Program:
Physics, General

Award Type:
All



Program Awards Table						
Award T..	Award	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Associate in Science	Physics (AS)	4	1	2	4	6
	Physics (AST)				1	1
Associat..	Physics (AST)					10

There has been a steady increase in degrees awarded, but the number is still very small. Most students take PHYS courses to fulfill degree requirements for majors other than physics. With the implementation of DegreeWorks, the number of degrees is anticipated to increase.

OTHER RELEVANT PROGRAM DATA (OPTIONAL)

Not applicable.

PROGRAM OUTCOMES ASSESSMENT AND IMPROVEMENTS CHECKLIST AND NARRATIVE

CHECKLIST:

- ☐ Location of current SLO assessment cycle calendar is:
G:\Division\SLOA's\Course and Program Summary Forms\CPAS Physics
- ☐ Date SLO assessment cycle calendar was last updated:
Spring 2016
- ☐ Location of current Course or Program Assessment Summary (CPAS) for each of the degrees/certificates in the program is:
G:\Division\SLOA's\Course and Program Summary Forms\CPAS Physics
- ☐ Date CPAS was last updated:
Spring 2016

Narrative:

Briefly describe program changes, if any, which have been implemented in the previous year as a direct result of the Program or Student Services Learning Outcomes Assessment. (Please refer to Item 5 on your CPAS: "Effectiveness of Previous Improvement Plans.") *If no program changes have been made as results of Program or Student Services Learning Outcomes Assessment, indicate: NONE.*

PROGRAM PLANS / FORECASTING FOR THE NEXT ACADEMIC YEAR

Briefly describe any program plans for the upcoming academic year. These may include, but are not limited to the following: *(Note: you do not need to respond to each of the items below). If there are no forecasted plans for the program, for the upcoming year, indicate: NONE.*

- A. New or modified plans for achieving program learning outcomes (Please refer to Item 6 on your CPAS: "Recommended Changes & Plans for Implementation of Improvements".)
- B. Anticipated changes in curriculum, scheduling or delivery modality
- C. Levels, delivery or types of services
- D. Facilities changes
- E. Staffing projections
- F. Other

SURVEY

Please take 15 minutes to complete the IPPR Survey. Your assessment will serve to help us make the form and process better.

Thanks,

The IPPR Committee

Survey Link: <https://www.surveymonkey.com/r/9JXNBQD>