

Figures for Spring 2020 Physics and Astronomy Annual Update

SLO Data

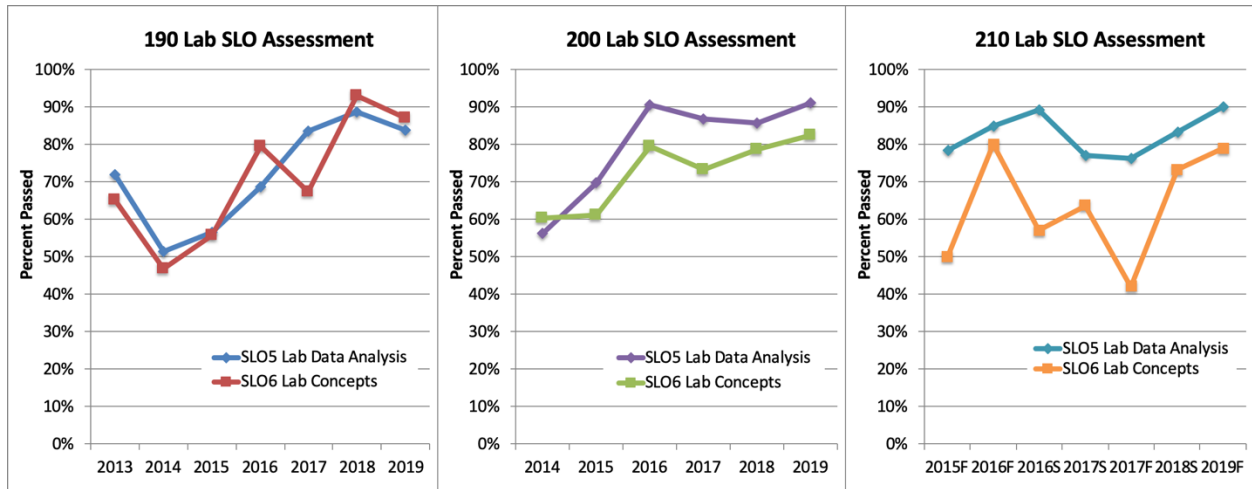


Figure 1 -Ongoing improvements in equipment, the development of OER lab manuals, and user-friendly instructor notes and manuals that make things easier for part-time instructors have led to improvement in the student experience, and subsequent improvement in lab assessments.

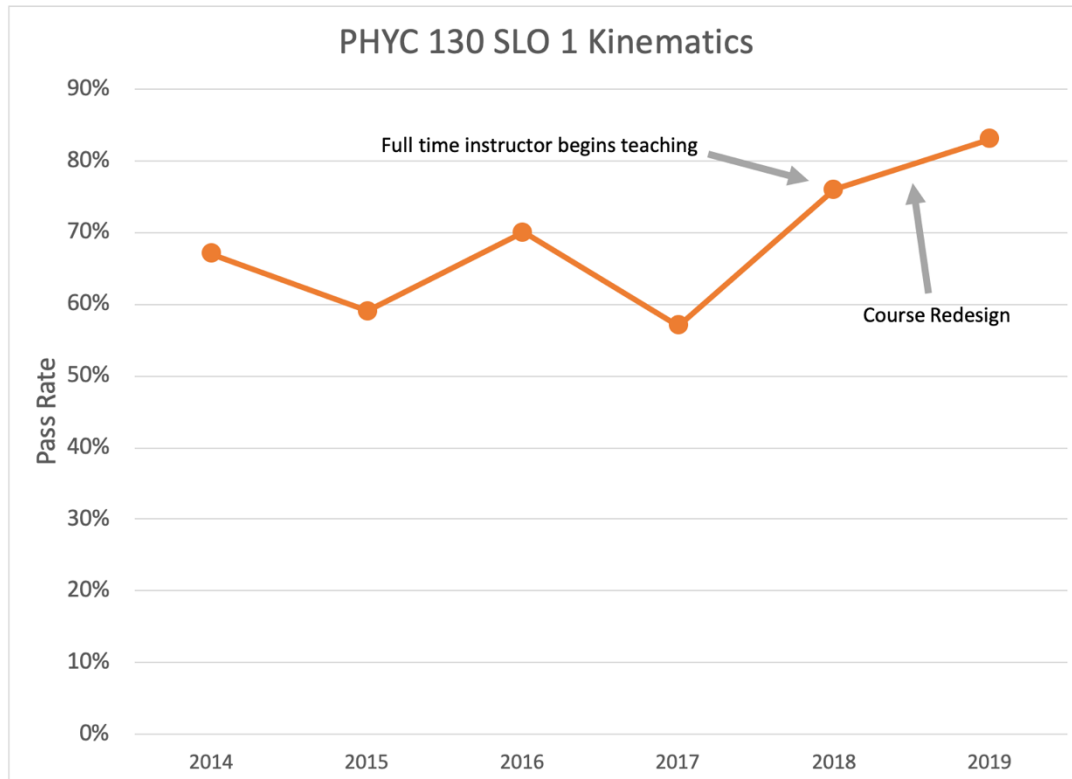


Figure 2 - Changes to Physics 130 including permanent staffing with a full time instructor and giving him ample resources to redesign the course to make it relevant to the students (without changing tests or curriculum) has already yielded wonderful preliminary results.

Student Achievement – Success and Equity

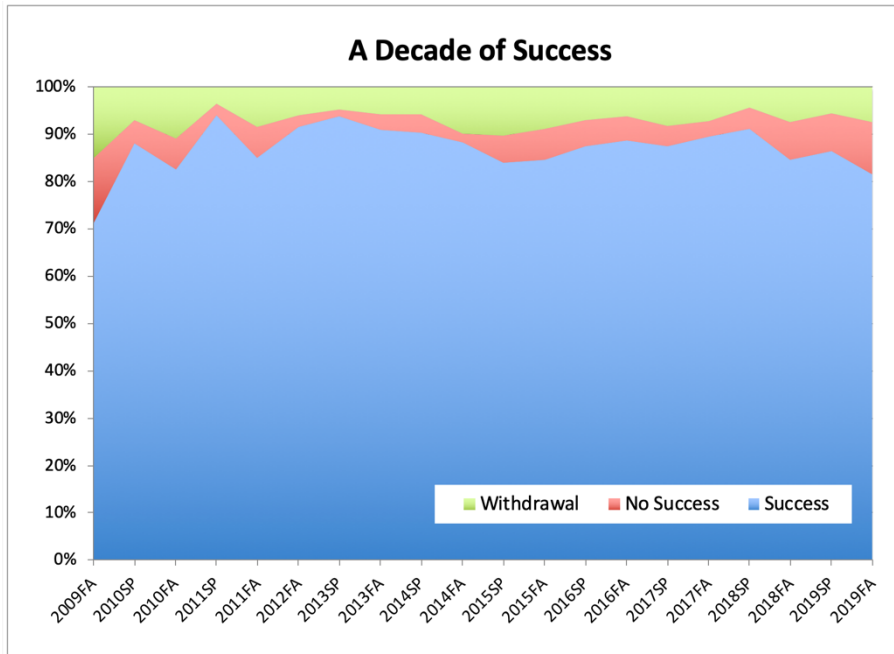


Figure 3 - Success in Physics is higher than the college average and has been over the last decade. This is attributable to a history of good support and good teaching but, to a lesser extent, prerequisite barriers in in math filtering students before we see them.

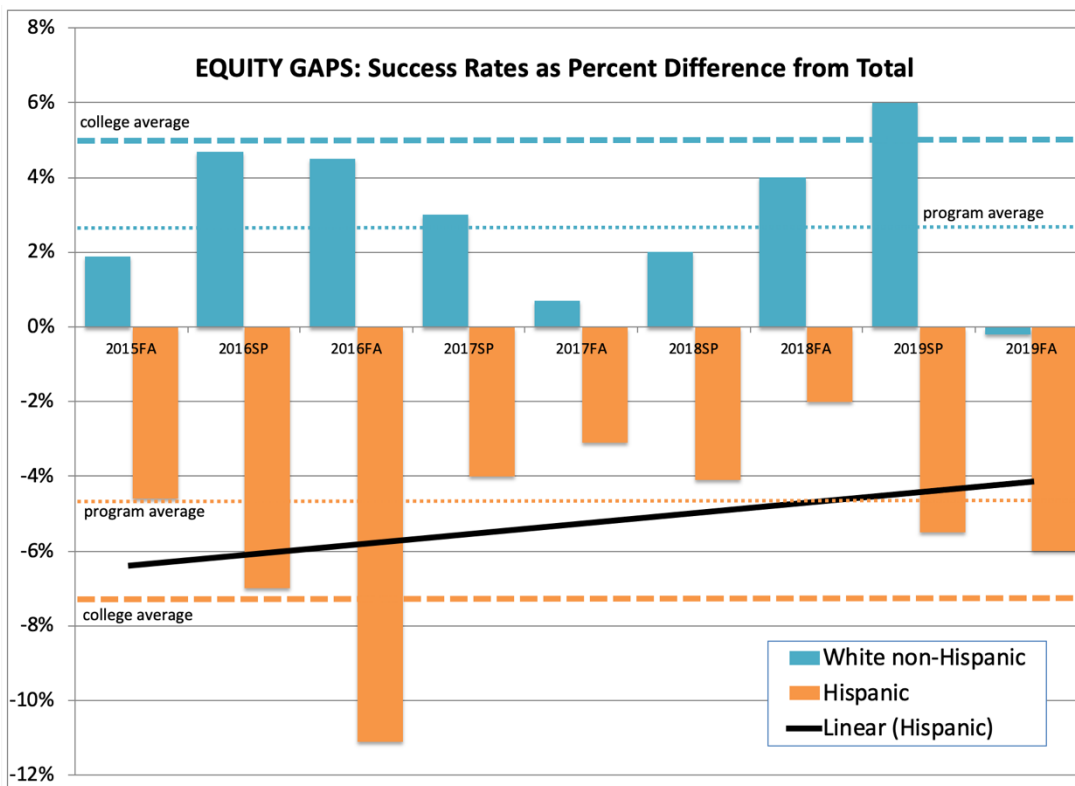


Figure 4 - Physics has been making progress on our equity gaps for students who identify as Hispanic. White and Hispanic students make up over 80% of our student population, the next largest group being Asian, not included here as they had no discernible average equity gap. All other groups represented too small a population to yield significant results.

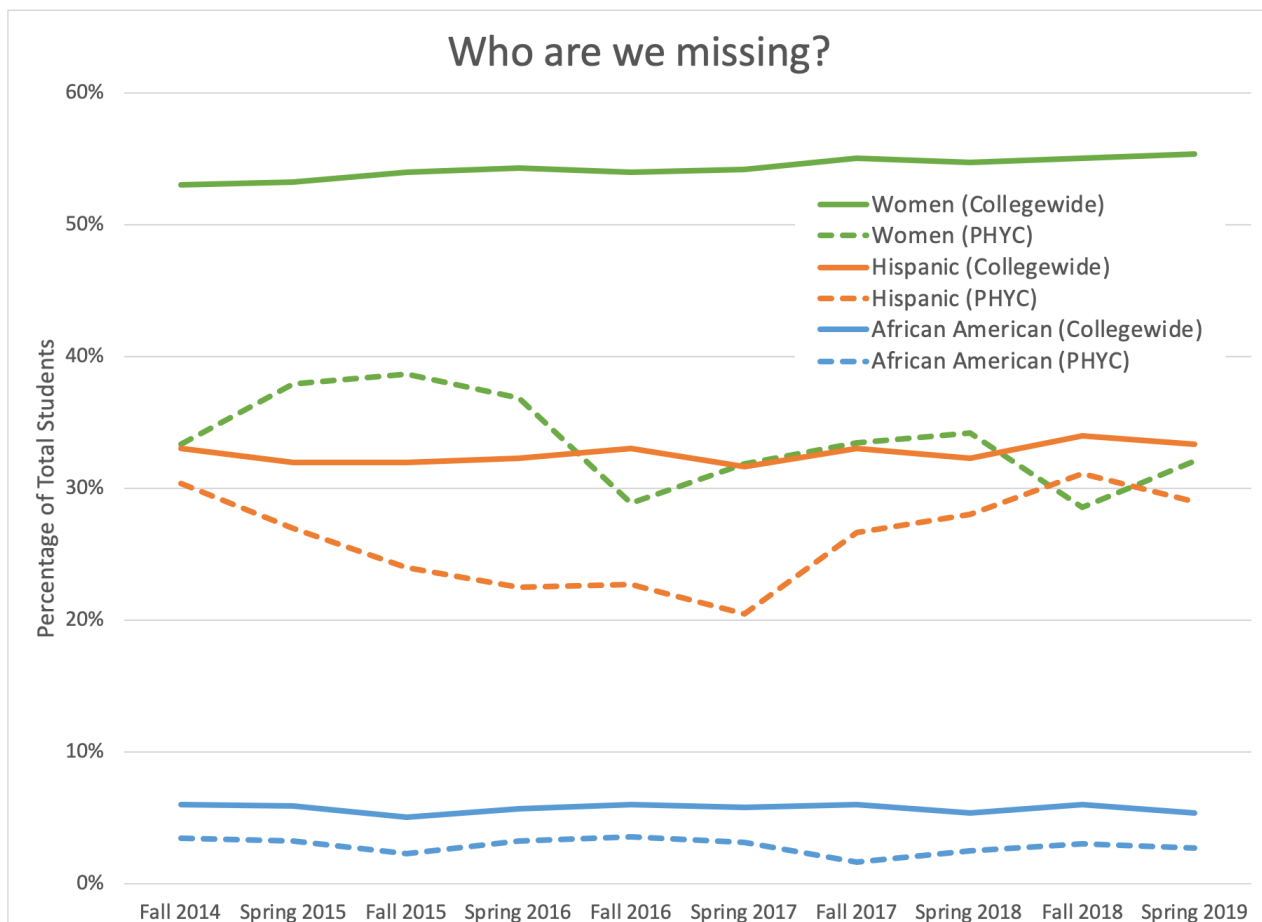


Figure 5 - Representation of students at the college vs in the physics program. Student groups matching or exceeding college numbers not included.