Supplemental Workshops in Science and Mathematics

Spring 2016 Highlights

- 86 workshops served approximately 950 students
- 840 students passed both lecture and workshop with a letter grade of A, B, C, or credit (CR)
- 99 students did not pass the lecture and workshop
  - Received a letter grade of D, F or no credit (NC).
- 42 students were enrolled in workshops only: not enrolled in the accompanied lecture.
  - 4 students did not pass their lecture

Assessment Outcomes

- 90.9% of students felt supplemental workshops provided an environment that presented alternative methods to approaching problems and finding solutions.
- 80.8% of students felt capable of discussing course concepts to individuals outside of the workshop.
- 69.1% of student motivation increased in lecture as a result of enrollment in supplemental workshops.
- 90.2% of students reported increased confidence with course material as a result of supplemental workshops.
- 90.2% of students found supplemental workshops materials beneficial to their learning style.
- 95.7% of students would recommend supplemental workshops to a friend.
- 92.9% of students would take another supplemental workshop.
- 78.7% of students found supplemental workshops provided a positive connection for campus engagement.
- 94.8% of students identified that supplemental workshops had helped them understand course material.
- 85.9% of students felt Cal Poly is committed to their academic success.
- 90.4% of students found supplemental workshops provided an environment that promoted participation and active group dynamics.
- 92.2% of students felt supplemental workshops provided a collaborative and engaging learning environment.

Data suggests students continue to see value in peer to peer facilitation in addition to the need for program expansion in both science and math lectures.
Program Breakdown

SWS

- 2072 students enrolled in 29 supported lectures from four departments: Biology, Chemistry, Physics, and Statistics.
- 1568 students only attended the lecture.
  - 1406 students passed their lectures
  - 162 did not pass their lectures.
- 504 students enrolled in 60 workshops led by 30 facilitators.
  - 468 students passed their lecture
  - 36 did not pass their lecture

SWM

- 1575 students enrolled in 48 lectures: Pre-Calculus, Calculus and Linear Analysis
- 1280 students only attended the lecture.
  - 1055 students passed their lectures
  - 225 did not pass their lectures.
- 295 students enrolled in 26 workshops led by 26 facilitators.
  - 252 students passed their lecture
  - 43 did not pass their lecture

Spring 16 Pass Rate Comparison

<table>
<thead>
<tr>
<th></th>
<th>Passed Lecture</th>
<th>Not Passed Lecture</th>
<th>Passed Workshop</th>
<th>Not Passed Workshop</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWS</td>
<td>89.7</td>
<td>10.3</td>
<td>92.9</td>
<td>7.1</td>
</tr>
<tr>
<td>SWM</td>
<td>82.4</td>
<td>17.6</td>
<td>85.4</td>
<td>14.6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Passed Lecture</th>
<th>Not Passed Lecture</th>
<th>Passed Workshop</th>
<th>Not Passed Workshop</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWS</td>
<td>89.7</td>
<td>10.3</td>
<td>92.9</td>
<td>7.1</td>
</tr>
<tr>
<td>SWM</td>
<td>82.4</td>
<td>17.6</td>
<td>85.4</td>
<td>14.6</td>
</tr>
</tbody>
</table>