

Division Goals Summary



PIE - Natural Sciences Division Manager

Ongoing/Multi-Year Goal - Culture of Assessment: Continue to encourage and support a culture of assessment across the Division, encouraging data driven decisions that result in changes in instruction.

Goal Year(s): 2018

<i>Updates on Goals</i>	
<p>The Division continues to cultivate a culture of assessment. Departments are making data driven decisions that result in changes in instruction. A perfect example is the implementation of the multiple measure placement for Math. Based on data (and a giant nudge from AB 705) the Math department created four co-requisite style courses to help support our students as they place into higher level Math courses and accelerate their progress through college level Math courses.</p> <p>Reporting Year: 2017-18 % Completed: 75</p>	

Ongoing/Multi-Year Goal - Support for Events: Support department, campus, and community events such as, Debbie Boroch Science Day, Caduceus Club Health Professions Conference, Kepler Scholarship Program, Farm Day, Robotics competitions and events, and other events sponsored by one or more departments within the Division

Goal Year(s): 2018

<i>Updates on Goals</i>	
<p>Events such as Debbie Boroch Science Day, Caduceus Club Health Professions Conference, Kepler Scholarship Program, and Farm Day were extremely successful and well attended this year. The Debbie Boroch Science day has participation by nearly every department in the Division and the Associate Dean even ate a bug! The Health Professions Conference had former Surgeon General Richard Carmona gave an inspiring keynote address to over 700 participants. The Kepler Scholarship program raised approximately \$12,000 and was once again a big success. Finally, Farm Day brought in a record 3,000 participants! All events were well supported by the Division and will continue to be an ongoing goal of ours.</p> <p>Reporting Year: 2017-18</p> <p>% Completed: 100</p>	

Ongoing/Multi-Year Goal - Manage Resources: Effectively manage resources within the Division, such as Wildlife Sanctuary, Agriculture Farm, Meek Museum, Redinger Exploration Center, Randall Planetarium, Observatory Dome, Ag Literacy Trail, and develop program to recycle 100% of the College's green waste and manure.

Goal Year(s): 2018

<i>Updates on Goals</i>	
<p>Effectively managing resources within the Division, such as Wildlife Sanctuary, Agriculture Farm, Meek Museum, Redinger Exploration Center, Randall Planetarium, Observatory Dome, and Ag Literacy Trail is a lofty goal. Through the support of the college, donors, guests to the Planetarium and lottery funds, the Division has done an excellent job at managing the resources for some of Mt. SAC's most prestigious attractions. and Developing a program to recycle 100% of the College's green waste and manure is a project that has not been fully scaled.</p> <p>Reporting Year: 2017-18</p> <p>% Completed: 75</p>	

Ongoing/Multi-Year Goal - STEM Center: Increase student success and achievement in science, technology, engineering, and mathematics (STEM) courses, particularly for underrepresented students, by continuing to support the STEM center

Goal Year(s): 2018

<i>Updates on Goals</i>	
<p>The STEM Center has been a tremendous success in terms of attendance; it is constantly packed with eager students. In fact, the center could really use a much larger space. Should the bond pass and a new science building be constructed, an ideal location for the STEM center would be on the ground floor much like the MARC and TMARC in building 61. In terms of tracking student success, both the Director and Faculty Coordinator are working on a strategic plan which involves a more sophisticated method of gathering student information. Through outreach activities, the center is making sure to target underrepresented students.</p> <p>Reporting Year: 2017-18</p> <p>% Completed: 25</p>	

Ongoing/Multi-Year Goal - Enrollment Management: Continue to respond to student needs for courses within the Division through targeted growth and effective enrollment management

Goal Year(s): 2018

<i>Updates on Goals</i>	
<p>The Division continues to respond to student needs for courses through targeted growth and effective enrollment management. However, growth is limited by space and availability of qualified adjuncts. For example, Chemistry is operating near or at capacity within current facilities, in Fall 2017, Biology utilized 58 out of 60 possible MW or TR time blocks for the popular start times of 9:45, 11:30, and 1:15, and for Math the total credit enrollment at census exceeded 2015-2016 levels. In 2016-17, 17,853 students were enrolled at the first census week, versus 17,165 in 2015-16. (SSR0039-A)</p> <p>Reporting Year: 2017-18</p> <p>% Completed: 75</p>	

Ongoing/Multi-Year Goal - Cutting Edge: Develop, support, and implement innovative programs for students utilizing cutting edge equipment and technology

Goal Year(s): 2018

<i>Updates on Goals</i>	
The Division continues to develop, support, and implement innovative programs for students utilizing cutting edge equipment and technology. Examples include the Mountie Maker Space, Histotech, Robotics team, and the Planetarium. Reporting Year: 2017-18 % Completed: 75	

Ongoing/Multi-Year Goal - Undergraduate Research: Support undergraduate research across the Division by providing on campus opportunities as well as collaborative experiences with four year colleges and universities.

Goal Year(s): 2018

<i>Updates on Goals</i>	
<p>The Division supports undergraduate research across the Division by providing on campus opportunities as well as collaborative experiences with four year colleges and universities. Examples include new curriculum such as STEM 99 which allows students who have previously taken other 99 courses such as BIOL 99 to continue their research for a second semester. Currently the Physics and Engineering department is working on a 2+2 agreement with Cal Poly. Finally, the NSF STEM T2P continues to be a huge success.</p> <p>Reporting Year: 2017-18</p> <p>% Completed: 75</p>	

Ongoing/Multi-Year Goal - MakerSpace: Support ongoing success of the MakerSpace. Support an advisory committee which reaches out to community partners and the public to make the MakersSpace a truly collaborative learning environment for students. Support curriculum development of skills badges so that makers can earn recognition for demonstrated skills achieved.

Goal Year(s): 2018

<i>Updates on Goals</i>	
<p>The Division supports the ongoing success of the MakerSpace. An advisory committee which reaches out to community partners and the public to make the MakersSpace a truly collaborative learning environment for students has been created. A next step is to support the development of skills badges so that makers can earn recognition for demonstrated skills achieved. Currently a separate PIE for the MakerSpace is housed in the Humanities Division. Natural Sciences continues to support the ongoing success of the space by providing both faculty and students who regularly use the space.</p> <p>Reporting Year: 2017-18</p> <p>% Completed: 50</p>	