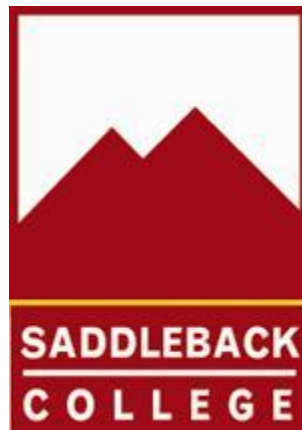


**Saddleback College
Annual Update for Marine Science
and Technology**



Submitted on May 17, 2010

A. Statement of Current Situation

The Marine Science Technology program continues to operate without a full-time faculty member and staff.

B. Human Resource Needs

A fulltime faculty member is needed to strengthen the Program and continue to build on the momentum of a new program. The Program's success relies on a leader for the program and is an absolute must to build strength and develop cohesiveness within the instructional delivery. It is amazing that the program has come to fruition without a fulltime faculty member to take lead. A fulltime faculty member is needed to coordinate the efforts currently performed by informal meetings between part time faculty members and advisory board members in reviewing curriculum, improving existing courses, adding additional courses and developing learning outcomes.

The Department technically does not have any classified support although the Environmental Studies lab technician helps the Department occasionally. Ideally, the Department would like to hire a 20 hour per week laboratory technician to oversee the needs of the Marine Science Technology program, including Aquarium and Aquaculture.

C. Instructional Needs

The Marine Science Technology Department has been very fortunate with obtaining instructional equipment; however, the Department could still use more to help continue to make the boats state of the art. It is important that the needs continue to be met and all equipment remain working properly and kept current and maintained. Also, as the field becomes more technologically advanced, the Department will want to invest in technology, such as GIS electronic navigation systems and other related hardware and software.

D. Research Needs

Even after this program review, the Department will continue to research its institutional effectiveness and identify needed improvements or areas of concern. In addition, the Department will continue to maintain and further develop Student Learning Outcomes and use this information to help with future program reviews.

More research will also need to be done in order for the programs and classes to remain current. As technology continues to evolve and new issues emerge, it will be important that the Department incorporate those changes into the curriculum. It is also essential to continue to research the needs of businesses and the community in general. Finally, continual research is necessary to help with the recruitment process of associate faculty and students.

E. Technical, Equipment and Other Resource Needs

In order to modernize the Department, updated equipment and technology will be essential and this will take money, which currently is limited. Furthermore, maintaining proper running boats safely will require additional funds as supplies, equipment, and technology needs to be maintained, replaced, or added.

F. Facilities Needs

The biggest need is a classroom down at Dana Point Harbor. Hopefully, the challenges that have occurred at the Dana Point Youth Group Facility will be resolved in the near future.

G. Marketing and Outreach Needs

A full-time faculty member, staff, student help, and money are needed to market the Marine Science Technology program.