

College Based Fee Budget 2004-05
Biological Sciences Department
May 6th, 2005

Themes for from Bio-SFC for the CBF budget 2005/06

In the development of the Biology Department's College Based Fee budget for the 2005/2006 school year, we focused on three areas for development: Student Research, Access to Classes and Quality of Classes, and Equipment for our Physiology Program.

Support of student research, one of the three key points of the CBF, will be improved next year with the implementation of a summer research program for undergraduate students. For our graduate students, the Graduate Coordinating Committee has been given full control over the distribution of graduate research funds to allow more timely and efficient use of these funds when our graduate students need them. We have also added support for the Environmental Career Symposium to our budget for next year. This annual event organized by the Wildlife Club is more important to our department than in previous years because of the removal of the Ecology and Systematic Biology major. The final item included under our student research theme is a new large format printer. Our previous large format printer has been dying for several years and is no longer compatible with current operating systems. This will allow students to print posters of their research for presentations.

The second area of our budget, access and quality of classes, addresses another of the key points of the CBF. We are maintaining our \$130,000 support of part time instructors to teach lower division classes and free up faculty for upper division elective courses. Our Biology Computing Facility has been very successful the last two years in supporting both individual student projects and class activities. We are maintaining our support of class fieldtrips, such as the Field Botany Class, and to conferences, such as to meetings of the Western Wildlife Association, classroom supplies to eliminate lab fees, and student assistants to allow our faculty to focus on their students. We are continuing the development of the new Biology introductory series by providing release time to the faculty creating the new courses. Six Qubit recording devices are on the budget for use in the new intro series, along with other physiology classes.

After three years of broad spectrum equipment improvements, we have chosen to focus on our Physiology program this year. We have two new Physiology professors joining our faculty next year and have used their suggestions, along with those of our current Physiology professors, to decide how to develop our Physiology program. We will be replacing some of our aging and/or broken equipment, along with purchasing new equipment to allow classes and research in proteomics, a developing area currently unavailable to Cal Poly students. Susan Opava has agreed to purchase a \$120,000 gel imaging machine that will be housed in the Undergraduate Biotechnology Laboratory in the Biology Department and this stretched our budget considerably. The Qubits in the previous area of focus are also of use in Physiology.

Budget Details

Student Research

Undergraduate Research Supplies and Travel	20,000.00
Undergraduate Summer Research Program	50,000.00
Graduate Research Supplies and Travel	30,000.00
Environmental Career Symposium	2,000.00
Large Format Printer	3,800.00
Subtotal	105,800.00

Access to Classes and a High Quality Educational Experience

Part-Time Faculty	130,000.00
Bio Computing Facility	10,000.00
Field Trips and Faculty Sponsored Travel	15,000.00
Classroom Lab Supplies	10,000.00
Student Assistants	20,000.00
Release Time for New Introductory Series Development (Qubit devices are also for use in the introductory series)	15,000.00
Subtotal	200,000.00

Equipment for the Physiology Program (2 new faculty)

Atomic Absorption Spectrometer	15,000.00
2D protein gel system (set of 6)	35,000.00
2D protein gel transfer system (set of 6)	12,000.00
2D specialized analysis software multi user license	15,000.00
Qubit recording devices (6) for Intro series and physiology classes	36,400.00
Subtotal	113,400.00

Grand Total	419,200.00
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