

# KINESIOLOGY DEPARTMENT

College Based Fee Proposal  
2005-2006

## **Proposal – College Based Fee 2005-06**

### **Kinesiology Department**

The Kinesiology Department CBF Committee includes the Department Chair, Faculty representing each of the five concentrations, core and graduate program. There are from 1-3 students representing each of the concentrations. The committee meets alternate weeks each quarter. After consideration of needs of the Department, the College Based Fee Committee is requesting a minimum of \$240,000.00 in CBF support for the academic year 2005-06.

The proposal from the Kinesiology Department for 2005-06 CBF includes the following:

- A. Allocation for Student/Faculty research PODs
- B. Equipment for Biomechanics and Exercise Physiology Labs
- C. Student and Faculty Professional Development
- D. Support for Student Assistance in Core/GE Courses
- E. Equipment for the Teaching Concentration courses.
- F. Equipment for the Adapted Physical Activity course.
- G. Funds for Core Course KINE 401 Managing Kinesiology Programs
- H. Instruction (Graduate Teaching Assistants/part-time faculty)

### **Accounting for the Allocation of CBF Funds for 2005-06**

#### **A. PODs**

Five separate summer research PODS. This research activity has greatly benefited our students in the past and the CBF Committee placed this as the number 1 priority for this coming year. Students have been involved in the collection of data, publications, and presentations at state, regional and national conferences as a result of these PODs. A total of 19 graduate and undergraduate students will be hired to assist in research projects during the summer.

1. Title: "Exemplary Teachers Perceptions of Effective Teaching Practices in Physical Education: Critical Issues for Teacher Preparation",  
Faculty: Michael Sutliff     \$3,000.00  
Student Assistants: Janelle Higginson (undergraduate) @ \$10.00/hr (70 hrs)  
Sean Allstot (undergraduate) @ \$10.00/hr (70 hrs)

Total Requested: \$4,400.00

2. Title: "Effects of Instructional Feedback vs. Concurrent Feedback on Pedaling Efficiency in Beginning Competitive Cyclists",  
Faculty: Robert Clark     \$3,000.00  
Student Assistants: One Graduate Student Coordinator @ \$12.00/hr (100 hrs)  
Two Undergraduate Data Collectors @ \$10.00/hr (100 hrs Each)

Equipment: 4 sets of clipless pedals ((\$100.00 each)

Total Requested: \$6,600.00

3. Title: "Caloric Cost of Walking: Lab vs. Field Measures",  
Faculty: Susan Puhl \$3,000.00  
Student Assistants: One Graduate Student Coordinator @ \$12.00/hr (200 hrs)  
Three Undergraduate Students @ \$10.00/hr (600 hrs)

Total Requested: \$11,400.00

4. Title: "Isocaloric Exercise: Intensity vs. Duration",  
Faculty: Susan Puhl \$3,000.00  
Student Assistants: One Graduate Student Coordinator @ \$12.00/hr (160 hrs total)  
Six Undergraduate student assistants @ \$10.00/hr (480 hrs total)

Total Requested: \$9,720.00

5. Contextual Interference and Processing Demands Using a Multi-Limb Task in Children",  
Faculty: Kellie Hall \$3,000.00  
Student Assistants: One Graduate Coordinator @ \$12.00/hr (50 hrs)  
Two Undergraduate data collectors @ \$10.00/hr (40 hrs each)

Total Requested: \$4,400.00

**Total Requested for PODs: \$36,520.00**

**B. Equipment for Biomechanics and Physiology of Exercise Labs**

Biomechanics Lab Equipment: Bertec Force Platform. \$9,800.00  
2 Motion Star Sensors @ \$2,450 each \$4,900.00

The current Kistler force platform is outdated and non-compatible with the Motion Monitor system purchased with CBF funds last year. A force platform is required to collect external force (ground reaction force) data used to calculate kinetics (forces) at various locations within the human body (inversed dynamics).

We have six motion star sensors, but dynamic analysis limited. Eight is the low end of the preferred number of sensors, especially in complex movements such as locomotion or ballistic activities.

**Total Requested:** **\$14,700.00**

**Exercise Physiology Lab Equipment: variety of equipment to update the Lab**

List of Equipment for Exercise Physiology Lab

Treadmill Controller  
Mega II Hip and Leg Sled  
Mega System & Free Weight combo Gym  
Mega Smith System Accessories  
Qwik Time Pocket Quartz Metronome  
Tissue Sampling Equipment  
Thermocouples/Themistors/biopac  
Miscellaneous electrical and electronic supplies

**Total Requested:** **\$24,270.00**

Equipment for Lab Technician:

Supplies for department computers  
Software  
Supplies lab equipment repairs  
Supplies for department LCD projectors  
Electronic Testing Equipment and tools  
Miscellaneous Supplies

**Total Requested:** **\$ 9,000.00**

**C. Professional Development for Students and Faculty**

Student Travel: \$15,000.00  
Faculty Travel: \$12,000.00

**Total Requested:** **\$27,000.00**

**D. Support for Student Assistance in Core/GE Courses**

Teaching Assistants KINE 317: \$ 3,600.00  
Graders for KINE 250: \$ 1,200.00

**Total Requested:** **\$ 4,800.00**

**E. Support for Teaching and Pedagogy Courses**

2 Computer Stations for creating digital videos, Software for PDAs, 16 PDAs, 60 Heart Rate Monitors, 8 Handheld GPS units, 60 Pedometers

**Total Requested** **\$20,500.00**

**F. Equipment for Core Course KINE 307 Adapted Physical Activity**

Six bicycle helmets, 8 Universal play frames, 10 paddling adaptation kits, misc. paddling equipment, 4 Instructor Safety Boats.

**Total Requested:** **\$14,660.00**

**G. High Ropes Course**

Students experience team building in the KINE 401 core course. The amount requested would pay for the cost of the ropes course experience for students in the class.

This would pay for the students enrolled in KINE 401 the opportunity to attend the High Ropes course offered through Chumash challenge. The six objectives of the Chumash Challenge program dovetail substantially with the objectives of the management course. All six objectives apply to future manager/administrators

**Total Requested:** **\$1,000.00**

**H. Instruction (Graduate Teaching Assistants/part-time faculty)**

Graduate Students in Kinesiology are hired to teach labs for several courses within the core and concentrations (KINE 302, KINE 303, KINE 307, KINE 319, KINE 402, KINE 445, KINE 511, KINE 200 level Professional Activities). Part-time faculty will be teaching courses to help meet the needs of our students in the core and concentrations (examples: KINE 227, KINE 208, KINE 216, KINE 280). Dr. DeMers will have a reduced teaching load because of his duties as Chair of the Department, Dr. Brown is retiring, two other faculty have implied they may FERP next year.

**\$87,000.00**

***Cost of Shipping is not included for any equipment. The difference in the \$240,000.00 requested and the Grand Total below should cover expenses for shipping.***

**Grand Total for CBF 2005-06: \$239,450.00 + \$550.00 for shipping = \$240,000.00**