

## SPECIAL UNIVERSITY CENTERS

### W. K. KELLOGG ARABIAN HORSE CENTER, ARABIAN HORSE PROGRAM

William Hughes, Director

The oldest campus tradition is the Arabian horse show, first started by W. K. Kellogg in 1926, and continued after his ranch became a university campus. Public performances are given on the first Sunday in October through June at 2 p.m. The program, featuring the Arabian as an English, western, stock, trick and jumping horse, is planned and produced by students working with horses they have trained.

The shows are designed to promote interest in the Arabian breed and point out the horse's versatility, beauty, and intelligence, as well as to offer valuable experience for students in handling horses. The Arabians are utilized in the animal science courses related to the ever-expanding field of light horse production, research and training. The Kellogg Ranch has been one of the world's outstanding Arabian horse breeding farms, and the university continues the breeding program today, perpetuating the Arabian and making valuable blood lines available to the public. The Kellogg Arabians are a noted attraction for thousands of Southern Californians and tourists who view the show each year.

### EQUINE RESEARCH CENTER

Steven J. Wickler, Associate Director, Equine Sciences

The Equine Research Center founded in 1980 complements the program of the W. K. Kellogg Arabian Horse Center. The Research Center, unlike the Kellogg Center, deals with all horse breeds and not only the Arabian. The Research Center conducts investigations in the areas of equine nutrition, physiology, and management. The Research Center is a self-support center funded through national donations with the major contributor being the Oak Tree Racing Association of California.

### APPAREL TECHNOLOGY AND RESEARCH CENTER

Peter Kilduff, Director

The Apparel Technology and Research Center (ATRC) provides outreach services to the apparel and sewn products industry. The Center offers resource information, on-line education, consulting and referral services for technical manufacturing processes, apparel enterprise operation, sourcing, etc. through the ATRC website [www.atrc.ag.csupomona.edu/](http://www.atrc.ag.csupomona.edu/). The ATRC is a self-supporting center funded by industry.

### INTERNATIONAL CENTER

Faiza W. Shereen, Coordinator of International Programs

The International Center is the focal point for international activities at Cal Poly Pomona. It is located in Building 1, Rooms 101-104. The Center works in cooperation with the colleges, individual faculty, Academic Affairs, student groups and other units on campus. Academic and faculty program initiatives are also encouraged through the Center's Institute for Regional and International Studies. The Center negotiates and administers Cal Poly Pomona overseas collaborative agreements.

The International Center encourages, assists, administers and itself develops international projects in which Cal Poly Pomona faculty and staff transfer their expertise. Cal Poly Pomona's advising, assistance and programming for international students and scholars are a prominent function of the Center. There is a scholarship and loan program for international students. The university's international student recruiting is organized by the International Center.

Cal Poly Pomona study abroad, exchange and other overseas opportunities for students are offered through the International Center. Programs are available in all disciplines, in English as well as other languages, and worldwide. Program length varies from several weeks to an academic year. Center staff assist colleges and faculty in developing and implementing overseas educational programs and provide student and faculty Fulbright advising and information. The International Center maintains an international opportunity area with VCR, TV, news magazines, and travel and study abroad information. The International Center has need-based scholarships and loans for study-abroad to ensure access to all students.

The Director represents Cal Poly Pomona with the Consortium for International Development and in national and international professional organizations. There are close working relationships with community organizations to further Cal Poly Pomona's international goals and visibility. In the area of international research, training and faculty opportunities, the International Center activities include developing technical workshops for international trainees, managing international technical assistance and development projects. There are a number of faculty development opportunities available through the International Center, including participation in the Council for International Educational Exchange Fulbright seminars, the International Research Forum, the publication Global Cal Poly Pomona, and others.

For further information see [www.csupomona.edu/~international](http://www.csupomona.edu/~international), call 909-869-3267, or fax 909-869-3282.

### OCEAN STUDIES INSTITUTE

The Ocean Studies Institute (OSI) is the educational and research outlet for the growing marine programs of five state universities in the southern California area. Those participating institutions include the Dominguez Hills, Fullerton, Long Beach, Northridge and Pomona campuses. Representatives from each campus, consisting of a teaching and administrative faculty member, along with two community members, make up the OSI Board of Governors. In addition, an advisory board representing a cross-section of disciplines adds to the Institute's community responsiveness.

The Ocean Studies Institute provides an outlet for shipboard instruction to Institute members, as well as the community, aboard the fully equipped and crewed research vessel, R/V Yellowfin.

Through the Institute's participating intercampus faculty and graduate students, a large reservoir of diverse expertise is coordinated for multidisciplinary projects involving the biological sciences, microbiology, chemistry, geology/earth sciences, economics, geography, archaeology, and engineering.

The five member campuses are located within a 50-mile radius of the Institute's office, teaching, and research facilities, and the R/V Yellowfin slip in San Pedro. The proximity of the schools allows for easy student accessibility and personal communication between faculty members involved in interdisciplinary projects. For information regarding Cal Poly Pomona's participation in the Institute please contact Dr. Kristine Hartney, Biological Sciences Department, (909) 869-2446.

**DESERT STUDIES CONSORTIUM**

Built in the 1940's as a private health resort in the Mojave Desert, the former Zzyzx installation was repossessed by the Bureau of Land Management in 1974 and assigned to the Desert Studies Consortium composed of seven California State Universities, including Cal Poly Pomona. With passage of the federal Desert Protection Act in 1994, the Desert Studies Center at Zzyzx was included in the Mojave National Preserve and the National Park Service is now the agency with which the Consortium coordinates its activities.

The Desert Studies Center is under the direction of a Board of Governors composed of one administrator and one professor from each member campus, plus a representative from the National Park Service and two from the general public.

Potentially, the Desert Studies Center can supplement over 100 courses enrolling some 5,000 students annually at the seven Consortium universities whose total enrollment approaches 200,000 students. In addition, 15 to 20 courses are offered to the public each year through Cal State San Bernardino's Extended Learning program. Since the start of the Center, students, faculty, and other users have averaged about 1,800 a year. Biological and ecological studies mix with more practical investigations of desert land utilization and limitations, including issues of special interest to the National Park Service. Meteorological problems peculiar to the desert environment can be studied readily, including the transport of smog from the Los Angeles basin, 150 miles away, and such practical questions as utilization of power from sun and wind. Desert hydrologic and limnologic studies are conducted, and geology classes study exposed rocks and various geologic processes and landforms. Immediately around the Study Center, as well as farther away, many archaeological sites await investigation.

Besides students and faculty from the seven sponsoring campuses, persons from other universities and groups interested in desert educational activities are welcome to use the Center facilities. For information on Cal Poly Pomona's participation in the Desert Studies Center, contact Dr. Kristine Hartney, Biological Sciences Department, (909) 869-2446.

**FACULTY CENTER FOR PROFESSIONAL DEVELOPMENT**

Peggy Perry, Director

The Faculty Center for Professional Development, established in September 1990 and located in Building 1, Room 227, initiates, coordinates, and supports programs that assist faculty members in achieving their professional goals and improving their teaching abilities. An elected faculty Advisory Committee guides the Center in setting priorities and planning new programs. The Faculty Center provides individual teaching consultations and sponsors a variety of faculty learning communities and workshops on exploring alternative teaching strategies, improving classroom instruction, student outcomes assessment, and advancing research and scholarly activities. These workshops and learning communities which meet throughout the year enhance collegial relations and promote a multidisciplinary exchange of insights and support for efforts at improvement and innovation.

Electronic bulletins from the Center inform faculty of development opportunities-awards and fellowships, conferences and workshops, etc. The Center's resources include books, periodicals, publications and a website with information for faculty on teaching, learning, research and writing, and development opportunities.

**INSTITUTE FOR ETHICS AND PUBLIC POLICY**

David Adams, Director

The mission of the Institute for Ethics and Public Policy is to sponsor events and activities that will encourage broad community discussion of pressing social problems and more issues; to encourage and support creative and effective ways to teach about diverse moral traditions; to foster a community of scholars and students who will critically examine the moral dimensions of our public policies.

**AHIMSA CENTER**

Tara Sethia, Director

The Ahimsa Center in the College of Letters, Arts & Social Sciences focuses on interdisciplinary teaching and learning about nonviolence and its applications at various levels: personal, familial, communal, national and international. The educational programs and outreach initiatives of the Center aim to foster synergistic interactions among students, scholars, educators and the community for the study of nonviolence in thought and action. For more information contact the director, Dr. Tara Sethia, at (909) 869-3868 or by e-mail [tsethia@csupomona.edu](mailto:tsethia@csupomona.edu).

**THE CAL POLY POMONA DOWNTOWN CENTER**

Cybele Garcia, Coordinator

The Cal Poly Pomona Downtown Center exists to serve the Pomona community and to be a center of service learning and outreach for the student, faculty, and staff of the University.

The Cal Poly Pomona Downtown Center's purpose is to provide a forum for the University to bring education and applied knowledge to downtown Pomona, thereby contributing to the economic revitalization of the city. In turn, the campus receives an ongoing education in the realities and issues faced by the City of Pomona. This collaborative university-community partnership fosters a spirit of creativity, experimentation, diversity, and lifelong learning. For more information contact Cybele Garcia at (909) 869-3868 or Jonnie Owens at (909) 869-4689.

**CENTER FOR GIS RESEARCH (CGISR)**

In 1998, Cal Poly Pomona established the Geographic Information Systems Literate Campus Initiative with the intention of developing curricula, resources and a research center in support of interdisciplinary geographic education and awareness. Geographic Information Systems and Science is the title given to the disciplines that utilize and test spatial data, computer hardware, and databases that provide information about a location. Supported by 4 campus colleges—Environmental Design, Engineering, Letters, Arts and Social Sciences, and Science-- the CGISR facility hosts interdisciplinary GIS instruction, research and projects in disciplines such as geography and anthropology, urban and regional planning, landscape architecture, biology, computer science, civil engineering and electrical and computer engineering. The CGISR contains an instructional lab with 30 workstations configured to run spatial analysis software such as: ESRI, ERDAS, GeoMedia, AutoCAD, Pathfinder Office, and Microstation. Through the Center for GIS Research, CPP offers a unique interdisciplinary minor in GIS as well as a certificate in GIS. For more information about our research projects, courses and facility, please see: [www.csupomona.edu/cgizr](http://www.csupomona.edu/cgizr), or call: (909) 869-4575.

**CENTER FOR PROMOTIONAL DEVELOPMENT (CPD)**

Ed Klewer, Director

The Center for Promotional Development (CPD) was originally established in 1993 as the Center for Professional Sales Development. CPD has expanded its focus to include all elements of the promotional mix—advertising, sales promotion, public relations, publicity and direct marketing, in addition to professional selling/sales management.

CPD's mission is to provide Cal Poly graduate and undergraduate students valid experiences in developing promotional strategy through their involvement in a combination of innovative coursework and practicum; to foster opportunities for faculty/student consultancy with emerging Inland Valley businesses regarding the development of promotional strategy. Consultancy includes developing promotional objectives, an appropriate promotional mix, tactics, a written planned timetable for execution, measurement of tactical success, and an appropriate budget. The combination of education, research and outreach to the surrounding business community is the dynamic that fuels CPD's vision of future service to Cal Poly and its students.

CPD is administered by an Executive Board of Directors including Professor Ed Klewer, Ph.D., Chair; Professor Charles Taylor; and Professor Delores Barsellotti, Ph.D. CPD is located in the College of Business Administration. Telephone: (909) 869-2439; E-mail address: edklewer@csupomona.edu; Fax: (909) 869- 4353.

**CENTER FOR ADVANCED COMPUTER TECHNOLOGY (CACT)**

The Center for Advanced Computer Technology is a cooperative endeavor between the College of Business Administration and the College of the Extended University. The Center's programs target professionals who require in-depth coverage of complex and challenging topics in a broad and intensive series of offerings. For computer professionals, holistic coverage of Internet and client-server technologies and certifications in critical areas of programming, database administration, networking and systems security are provided. For professionals in other fields requiring intensive use of computer software, focused programs supporting specialized certifications in their areas of interest are offered.

The Center and its partners are committed to helping professionals stay abreast of advancing technologies and trends, and to insure that they remain productive members of the next century's workforce. The Center provides on-campus as well as on-site training for its corporate clients. For information contact Ron Mardix, Program Manager of IT & GIS training in the College of the Extended University, (909) 869- 4650.

**INSTITUTE FOR CELLULAR AND MOLECULAR BIOLOGY**

Jill Adler-Moore, Director

The Institute for Cellular and Molecular Biology (ICMB) is composed of some 25 scientists from the departments of Biological Sciences, Chemistry, Ornamental Horticulture and Animal Science. The Institute is committed to the goal of enhanced communication between scientists, in fields ranging from physiological ecology to viral nucleic acid synthesis. This multidisciplinary scientific exchange is based on shared interest in the various research applications of molecular biological techniques. To achieve this objective, the ICMB has instituted the following activities:

- 1) regular scheduling of informal luncheon meetings and poster displays to familiarize one another with various research projects;
- 2) reviewing current literature by participation in a quarterly Journal Club;

- 3) financially supporting innovative pilot research projects and expansion of ongoing research programs in new directions;
- 4) sponsoring one yearly symposium for ICMB members to summarize the progress made on their research;
- 5) supporting graduate student research by creating a professional research environment.

The ICMB Journal Club activities and Symposia provide students with the opportunity to hear about recent advances in molecular biology presented by researchers who do this kind of work. They learn how to listen and learn from material presented in a seminar-type format rather than a lecture-type format. This is especially important for those students who plan to further their education in a graduate or professional school program.

Students interested in participating in the activities of the Institute should contact the director, Dr. Jill Adler.

**INSTITUTE FOR ADVANCED SYSTEMS STUDIES**

Len Troncale, Director

This Institute sponsors educational and research programs in the new field of the Systems Sciences. This transdisciplinary field unifies the new sciences of complexity with advanced approaches to systems from many specialties.

The Institute is staffed by 20-25 faculty and associate fellows selected for their outstanding accomplishments in their home departments combined with their demonstrated ability for and interest in crossing disciplinary lines. The Fellows are authorized to offer a 32-unit Minor in Comparative Systems Analysis (see description in this catalog at the end of the College of Science entries) and a Certificate in Comparative Systems Analysis through the Office of Continuing Education. Also offered are interdisciplinary courses for on-campus credit such as those planned for the new Integrated Science General Education Program.

The Fellows of the Institute conduct both basic and applied research on both natural and social systems. Students are organized into research Task Forces under the supervision of one or more Fellows and can receive credit from their home department (at the 200 and 400 level) for working on Institute projects. This encourages and accomplishes significant cross-fertilization across the colleges and departments. Examples of ongoing projects in the domain of basic systems research include: (1) computer analysis of natural hierarchical levels using clustering analysis; (2) systems allometry across physical, biological, and sociological systems; (3) systems analysis of symmetry and duality across the natural sciences; (4) linkage propositions between 80 systems isomorphies; (5) design and testing of cooperation equations in ecology and economics. Examples of ongoing projects in the domain of applied systems research include: (1) fractal analysis of solid tumors for cancer diagnostics and prognosis; (2) ecohouse research for optimized interaction and cooperation among the sub-systems of American homes; (3) design of a knowledge-based computer system on general systems theory for education and design. Another function of the Institute is to attract funding to our university. Its Fellows have received grants from a diverse set of sources including the National Science Foundation, the U.S. Office of Education, the Chancellor's Office, the U.S. Department of Housing and Urban Development, and various Foundations.

Students interested in earning a Minor in Comparative Systems Analysis must declare their interest and intended start and completion dates by obtaining a form from Dr. Len Troncale, Building 3, Room 106 of the Biological Sciences Department, Phone: (909) 869-4040.

### **INSTITUTE FOR REGIONAL AND INTERNATIONAL STUDIES**

Faiza W. Shereen, Coordinator of International Programs

The Institute for Regional and International Studies (IRIS) was established in 1994 as the academic (faculty) component of the International Center. It is an organizational mechanism through which the faculty may promote interdisciplinary teaching and research about the world regions and issues. It is an advocate for second language proficiency as a means to better understand global diversity. It is a scholarly forum for faculty, staff and students, and publishes Global Cal Poly Pomona annually. The Institute organizes and sponsors international conferences and internationally recognized scholars on campus. Visiting scholars share IRIS offices with CPP faculty in the International Center, Building 1, Rooms 101-104.

For further information see [www.csupomona.edu/~international](http://www.csupomona.edu/~international), call 909-869-3267, or fax 909-869-3282.

### **CENTER FOR EDUCATION AND EQUITY IN MATHEMATICS, SCIENCE, AND TECHNOLOGY (CEEMaST)**

Judith Jacobs, Associate Director

CEEMaST endorses the principle that all schoolchildren deserve to receive a comprehensive mathematics, science and/or technology education that is taught by a caring, competent teacher who uses strategies that best address each student's learning style or needs. This involves creating high-quality and meaningful professional development opportunities that offer research-based approaches to mathematical, scientific, or technological content and conceptual understanding while fostering effective and dynamic teaching strategies. Emphasis is placed on teacher competencies that enhance literacy for English language learners. CEEMaST faculty believe that effective teaching is not only a research-based science, it is also a lifelong process, and students should receive instruction that meets their needs regardless of ethnicity, culture, or gender. It works with local schools and districts to develop programs and obtain funding to implement innovative programs, improve teaching techniques, and provide professional development opportunities for teachers of mathematics and science from preschool through grade 12.

For information, visit [www.ceemast.csupomona.edu/](http://www.ceemast.csupomona.edu/) or contact the CEEMaST office at (909) 869-4063.

### **AGRIsCapes**

Dan Hostetler, Director

AGRIsCapes is an education and demonstration center devoted to food, agriculture, and the urban environment. The Farm Store at Kellogg Ranch serves as the major marketing outlet for Cal Poly Pomona produced fruits, vegetables, nursery products and meats. This 40-acre complex provides educational opportunities for students within the College of Agriculture in the areas of marketing, production, merchandising and promotion of agricultural products. It also provides the campus and surrounding community with a valuable educational tool to learn about agricultural products and their impact on daily lives.

### **JOHN T. LYLE CENTER FOR REGENERATIVE STUDIES**

Kyle D. Brown, Director

The mission of the John T. Lyle Center for Regenerative Studies is to advance the principles of environmentally sustainable living through education, research, demonstration and community outreach. The Center uses the term "regenerative" to emphasize the development of systems that restore and revitalize themselves, ensuring a sustainable future. It offers unique interdisciplinary education through its Master of Science degree program, and its undergraduate minor program, which prepare students to integrate regenerative theories and practices into a wide variety of professional fields. Students have the option of residing and/or working at the Center. The Lyle Center has earned an international reputation for its innovative educational programs, and has hosted visiting scholars and students from around the world.

The Lyle Center pursues a comprehensive and ambitious research agenda, focusing on issues of sustainability. It serves as a living laboratory and center for research related to environmental design, sustainable agriculture, renewable energy production, aquaculture, landscape ecology, and human communities.

Situated on 16 acres within the Cal Poly Pomona campus, the Lyle Center is designed to demonstrate regenerative living. Tours are available where students, policy-makers, and the community can observe regenerative design strategies in practice and learn about innovative technologies. The Center showcases a wide array of regenerative principles, including passive-solar building design, solar energy technology, organic agriculture, and native plant community restoration.

The Lyle Center is actively involved in the community, participating in service-learning projects, sustainable community development efforts, and community educational programs. In addition, the Center periodically offers workshops related to regenerative living for community members, professionals, and policy makers.

If you would like to make a reservation for a visit or tour, please contact us at (909) 869-5155 or by email [crs@csupomona.edu](mailto:crs@csupomona.edu). For information on current activities, visit our website at [www.csupomona.edu/crs](http://www.csupomona.edu/crs)

### **LEARNING RESOURCE CENTER**

Frank Torres, Director

The Learning Resource Center (LRC), currently located in the University Library, provides a university-wide student service devoted to developing students' academic achievement through a variety of methods and programs. It is a facility which provides students with dedicated personnel and individualized instruction. Programs at the LRC emphasize developmental and critical reading (including speed reading), study skills, universitywide tutoring, and basic math preparation Math Diagnostic Preparation Test. A research internship is available to eligible juniors and seniors through the McNair Scholars Program, which prepares students for graduate school and Ph.D. programs. Test proctoring is another service provided by the LRC for students to take make-up exams with the permission of their instructors. Freshman and sophomore students receiving Pell Grants may be eligible to receive supplemental financial aid through the College Reading Skills Program. Website: [www.csupomona.edu/~lrc](http://www.csupomona.edu/~lrc).

The College Reading Skills Program offers a series of four one-unit nonbaccalaureate courses for students who need an extra unit to maintain full-time status. These courses do not count toward degree requirements or GPA. Participants enrolled in the program receive individualized reading tutoring, academic advising, and may qualify for supplemental financial aid.

## CULTURAL CENTERS

The Cultural Centers are committed to the recognition, promotion and support of the rich diversity in the campus community. The Centers are part of the Office of Student Life and exist to support student development, cultural enhancement, social justice and academic excellence. The Centers adhere to the belief that student involvement results in retention, improved academic performance, and leadership. Through co-curricular education and academic support the Centers empower students to go into their community and affect positive change. The work of the Centers contributes to the enhancement and strengthening of our local and global communities.

Working together and in collaboration with students, staff, faculty, administrators, community members, and other departments, the Centers promote pluralism and represent several cultural groups on campus. Each Center validates the identities and cultural experiences of students, offers a network of support services which address the retention needs of traditionally underrepresented students, and educates all Cal Poly Pomona students to be culturally competent.

The African American Student Center (AASC) provides peer and retention support and programs, workshops, social and cultural events to enhance the educational experience and knowledge of the African American community. The AASC is located in Building 95, (909) 869-5006. Website: [www.csupomona.edu/~aasc/](http://www.csupomona.edu/~aasc/)

The Asian and Pacific Islander Student Center (APISC) coordinates projects, resources and services designed to meet the needs of Cal Poly Pomona's Asian and Pacific Islander students. The APISC is located in Building 95, (909) 869-5023. Website: [www.csupomona.edu/~apisc/](http://www.csupomona.edu/~apisc/)

The César E. Chávez Center for Higher Education (CECCHE) strives to increase the outreach, recruitment, retention, graduation, and cultural pride of Chicano, Latino and Hispanic students at Cal Poly Pomona. The CECCHE is located in Building 95, (909) 869-5035. Website: [www.csupomona.edu/~cesar\\_e\\_chavez\\_center/](http://www.csupomona.edu/~cesar_e_chavez_center/)

The Native American Student Center (NASC) provides support to Native American students at Cal Poly Pomona and serves as a resource to the campus community on Native American culture and issues. The NASC is located in Building 26, Room 104, (909) 869-3967. Website: [www.csupomona.edu/~nasc/](http://www.csupomona.edu/~nasc/)

The Pride Center (Lesbian, Gay, Bisexual, Transgender, Questioning, and Allies Resource Center) provides resources, referrals, support, and programs about lesbian, gay, bisexual and transgender issues, heterosexism, and homophobia. The Pride Center is located in Building 26, Room 107, (909) 869-2573. Website: [www.csupomona.edu/~pride\\_center](http://www.csupomona.edu/~pride_center).

## MOTOR DEVELOPMENT CLINIC

Perky Vetter, Director  
Mary Stegemann, Coordinator

The Motor Development Clinic is designed to provide three services:

- 1) A movement therapy program for children between the ages of three and 13 who are experiencing movement problems.
- 2) Instructional concepts and materials for parents that enable them to supplement the clinic's movement program at home.
- 3) A valuable learning experience for graduate and undergraduate students at Cal Poly Pomona specializing in Adapted Physical Education and related fields.

The basic underlying theme of the Motor Development Clinic is inclusion. The clinic exposes the child to various movement experiences that may also develop such areas as movement confidence, social interaction skills, and enjoyment while participating in movement activities. Due to the clinic experience and personal improvement in motor skills the child may then transfer these skills into his or her own school's physical education program.

The Motor Development Clinic is the service learning component for adapted physical education in the undergraduate program of the Kinesiology major in the pedagogy option and the graduate credential program. However, students majoring in psychology, liberal studies, and other related fields have also used the clinic as their service learning site. Many of these students are combining their major area of study with adapted physical education as part of their course work. The benefits of the clinic to the university is therefore two-fold: a valuable service learning experience and a site for fulfilling student teaching requirements in adapted physical education. For the community children, the clinic offers a place to learn valuable motor skills.

