John Lavallée, M.Ed.; Lecturer/Coach
Daryl Lee, M.S.; Lecturer
James Les, B.S.; Lecturer/Coach
Daniel Leyson, M.A.; Lecturer/Coach
Ron Manara, M.S.; Lecturer
Bill Maze, M.B.A.; Lecturer/Coach
Peter Motekeikia, M.A.; Lecturer/Coach
Kevin Nasek, M.S.; Lecturer/Coach
Maryclare Robinson, M.S.; Lecturer
Dwayne Shaffer, M.A.; Lecturer/Coach
Sandy Simpson, M.S.S.; Lecturer
Eric Steindlmyer, J.D.; Lecturer/Coach
Anna Temple, B.A.; Lecturer/Coach
Lisa Varnum, B.S.S.; Athletic Trainer/Lecturer
Matt Vaughn, M.A.; Lecturer/Coach
Cy Williams, M.A.T.; Lecturer
Jamey Wright, J.D.; Lecturer/Coach
Karen Yoder, M.A.; Lecturer/Coach
Karen Zulet, Ph.D.; Lecturer

The Program
The Program in Physical Education facilitates the development and offering of non-mandatory courses related to physical activities and education, fitness and health, athletic training, teacher education, and organized sport. The Program is available as part of a student's general educational experience to enhance and broaden the understanding and experience of physical activity in the maintenance of lifetime health and fitness.

The basic activities series includes Physical Education 1, fitness, and sports skills. The PE 1 activity courses are instructional in nature, designed to introduce new skills to beginners or to improve existing skills. Physical Education 6 is offered for students participating in intercollegiate athletics. Additional lower division courses include those in special skill areas, such as life-saving and water safety, health and fitness, and athletic training. Upper division courses include advanced classes in coaching, sociology of sports, and a series of courses that meet the required requirements for students pursuing teacher preparation and certification.

Teaching Credential Subject Representative. Barbara Jahn

Class and Recreational Use of Facilities. The incidental fee payable by all students at the time of registration entitles students to the use of the gymnasium, pool, showers, tennis courts, and athletic fields. Fines are imposed for each formal transaction necessitated by failure of the student to comply with the regulations of the program.

Courses in Physical Education (PHE)

Lower Division

1. Physical Activities (0.5)
Laboratory—2 hours. Physical Education Activities classes offered in the following areas: aquatics, personal fitness, martial arts, individual sports, and team sports. These academic classes are instructional in nature, and students are introduced to improve activity specific skills and knowledge. May be repeated, along with course 6, for a combined total of 6 units. Credit limited to 6 units in combination with course 6. (P/NP grading only)—F, W, S; (F, W, S.)

6. Preparation and Participation in ICA Competition (1)
Practice—3 hours. Prerequisite: consent of instructor (head coach). Classes offered in all UC Davis intercollegiate athletic sports and are restricted to student-athletes who are members. May be repeated, along with course 1, for a combined total of 6 units. (P/NP grading only)—F, W, S; (F, W, S.)

7. Professional Physical Education Activities: Men and Women (1)
Lecture—1 hour; or laboratory—2 hours. Fundamentally skills for: (a) coaching competitive athletics; (b) classroom teaching and coaching; and (c) classroom teaching and officiating. May be repeated for a total of six units.—F, W; (F, W)

8. Student-Athlete Life Skills (1)
Lecture—1 hour. Prerequisite: consent of instructor. Open to intercollegiate student-athletes only. For intercollegiate student-athletes only. Balancing academic and athletic demands. Academic, psychological, and sociocultural issues which influence success as a college student-athlete. (P/NP grading only)—F, W; (F, W)

15. Administration of Intramural Sports (2)
Lecture—2 hours. Planning and administering intramural sports programs at the high school and college level.

25. Theory of Lifesaving and Water Safety (2)
Lecture—1 hour; laboratory—2 hours. Prerequisite: sound physical condition, and no physical handicap that would render student unable to perform the allowed skills and ability to pass preliminary swimming test. Provides the student with the knowledge, organizational procedures, and skill development necessary to provide for water safety and save his/her own life or the life of another in an aquatic emergency. (American Red Cross Advanced Lifesaving Certificate awarded upon successful completion of necessary requirements.)—S; (S.) Jahn

27. Training Course for Water Safety Instructors (2)
Lecture—1 hour; laboratory—2 hours. Prerequisite: advanced swimming (course 1) or consent of instructor; course 5 and current Advanced Life-Saving Certificate. Theoretical knowledge and practical experience necessary for the organization and teaching of swimming and lifesaving classes. (American Red Cross Water Safety Instructor’s Certificate awarded upon successful completion of necessary requirements.)—S; (S.) Jahn

40. Drugs and Society (2)
Lecture—2 hours; fieldwork—2 hours total; film-viewing—5 hours total. Pharmacology, methods of use, and effects of use of psychoactive and performance-enhancing drugs. Historical overview of drug use. Identification of behavior of “at-risk” and “user” populations. (P/NP grading only)—F, W, S; (F, W, S.)

92. Physical Education Internship (1-5)
Internship—3-15 hours; written project proposal and evaluation. Prerequisite: consent of instructor; enrollment dependent on availability of intern positions, with priority given to Exercise Biology majors. Work experience in the application of physical activity programs to teaching, recreational, clinical or research situations under department faculty supervision. May be repeated for credit once but no internship units will be counted toward Exercise Biology major. (P/NP grading only)—F, W, S; (F, W, S.)

97T. Tutoring in Physical Education (1-5)
Tutoring—1-5 hours. Prerequisite: lower division standing and consent of Program Director. Tutoring of students in lower division physical activity courses. Weekly meetings with instructor in charge of courses. Written report and materials required. May be repeated one time for credit. (P/NP grading only)—F, W, S; (F, W, S.)

97TC. Tutoring in the Community (1-5)
Tutoring—2-12 hours; discussion—1 hour. Prerequisite: lower division standing and consent of Program Director. Tutoring in the community in physical activity related projects under the guidance of the Physical Education faculty. Regular meetings with instructor in charge and written report required. May be repeated one time for credit. (P/NP grading only)—F, W, S; (F, W, S.)

98. Directed Group Study (1-5)
Prerequisite: consent of instructor and Program Director. (P/NP grading only)—F, W; (F, W, S.)

Physical Education 503

Fall 2011 and on Revised General Education (GE) AAH—Arts and Humanities; SCE—Science and Engineering; SS—Social Sciences; AGCH—American Cultures; DD—Diverse Disability; OLQ—Oral Skills; OLQ—Quantitative; SL—Scientific; VL—Visual; WC—World Cultures; WRT—Writing Experience
Pre-Fall 2011 General Education (GE): AH—Arts and Humanities; SCIE—Science and Engineering; SoSci—Social Sciences; Div—Diverse Disability; Wrt—Writing Experience
Quarter Offered: Fall—W, Winter—S, Spring—Su; Summer—2017/2018 offering in parentheses
150. Recreation in the Community (3)
Lecture—2 hours; discussion—1 hour; two Saturday field trips—8 hours. The nature and scope of community recreation programs in California emphasizing low income, highly populated areas, and poor rural communities.

197. Tutoring in Physical Education (1-5)
Tutor—1.5 hours. Prerequisite: consent of chairperson. Tutoring of students in lower division physical activity courses. Written reports on methods and materials required. May be repeated one time for credit. (P/NP grading only)—F, W, S, Su. (F, W, S, Su.)

198. Directed Group Study (1-5)
Prerequisite: consent of instructor and Department Chairperson. (P/NP grading only)—F, W, S, Su. (F, W, S, Su.)

350. The Elementary Physical Education Program (2)
Lecture—1 hour; laboratory—2 hours. Prerequisite: consent of instructor. Restricted to senior standing or credential student. Introduction to principles, theories, materials, and practices of elementary school physical education program. —S. (S.) Bronzan, Jokotaitis

380. Methods of Teaching Physical Education (3)
Lecture—1 hour; laboratory—6 hours. Prerequisite: course 142 and six units of course 7, or consent of instructor. The methods of teaching group and individual activities for grades K-12; program planning, class management, organization, and evaluation. (P/NP grading only)—W. (W)

Physical Medicine and Rehabilitation

See Medicine, School of, on page 427.

Physics

(Concentrations of Letters and Science)
Andreas Albrecht, Ph.D., Chairperson of the Department
Lori Lubin, Ph.D., Vice Chairperson of the Department (Administration and Undergraduate Matters)
Rena Zieve, Ph.D., Vice Chairperson of the Department (Graduate Matters)

Department Office, 174 Physics Building 530-752-1500; http://www.physics.ucdavis.edu

Faculty
Andreas Albrecht, Ph.D., Distinguished Professor
Robert H. Becker, Ph.D., Distinguished Professor
Patricia C. Boeshaar, Ph.D., Distinguished Lecturer
Marusa Bradic, Ph.D., Associate Professor
Manuel Calderon de la Barca Sanchez, Ph.D., Professor
Steven Carlig, Ph.D., Professor
Daniel A. Cebra, Ph.D., Professor
Hsin-Chia Cheng, Ph.D., Professor
Maxwell B. Chertok, Ph.D., Professor
Shirley Chiang, Ph.D., Professor
Academic Senate Distinguished Teaching Award
Jonathan Conway, Ph.D., Professor
Daniel L. Cox, Ph.D., Distinguished Professor
James Crutchfield, Ph.D., Professor
Nicholas Curro, Ph.D., Professor
Robert DeBovsky, Ph.D., Associate Professor
Robin Erbacher, Ph.D., Professor
Charles S. Fadley, Ph.D., Distinguished Professor
Christopher D. Fassnacht, Ph.D., Professor
Daniel Fennell, Ph.D., Professor
Che-Yao Fong, Ph.D., Distinguished Professor
John F. Ginion, Ph.D., Distinguished Professor
Veronika Hubeny, Ph.D., Professor
Munna Kbalooper, Ph.D., Professor
Lloyd E. Knox, Ph.D., Professor
Kai Liu, Ph.D., Professor
Lori Lubin, Ph.D., Professor
Markus Luty, Ph.D., Professor
Michael Mulhearn, Ph.D., Assistant Professor
Emilia Pantale, Ph.D., Assistant Professor
Warren E. Pickert, Ph.D., Distinguished Professor
Mukund Ramagami, Ph.D., Professor
John J. Rundall, Ph.D., Distinguished Professor
Sergey Savarasov, Ph.D., Professor
Richard T. Scalaet, Ph.D., Professor
Rajiv R.P. Singh, Ph.D., Professor
Robert Svoboda, Ph.D., Professor
John Terning, Ph.D., Professor
S. Mani Tripathi, Ph.D., Professor
Jaroslav Trinka, Ph.D., Assistant Professor
J. Anthony Tyson, Ph.D., Distinguished Professor
David J. Webb, Ph.D., Professor
David Wittman, Ph.D., Associate Professor
Dong Yu, Ph.D., Associate Professor
Xiangdong Zhu, Ph.D., Professor
Rena J. Zieve, Ph.D., Professor
Academic Senate Distinguished Teaching Award
Emeriti Faculty
Franklin P. Brady, Ph.D., Professor Emeritus
Thomas A. Cahill, Ph.D., Professor Emeritus
Ling-Lie Chau, Ph.D., Professor Emeritus
Lawrence B. Coleman, Ph.D., Professor Emeritus
Academic Senate Distinguished Teaching Award
Linton R. Corruccini, Ph.D., Professor Emeritus
James E. Draper, Ph.D., Professor Emeritus
G.W. Ericson, Ph.D., Professor Emeritus
Claude Garrod, Ph.D., Professor Emeritus
James P. Hurley, Ph.D., Professor Emeritus
Joseph E. Kiskis, Ph.D., Professor Emeritus
Winston T. Ko, Ph.D., Professor Emeritus
Barry M. Klein, Ph.D., Professor Emeritus
Richard L. Lauber, Ph.D., Distinguished Professor Emeritus
Douglas W. McCollin, Ph.D., Senior Lecturer Emeritus, Academic Senate Distinguished Teaching Award
David E. Pellett, Ph.D., Professor Emeritus
David Pines, Ph.D., Distinguished Research Professor
Wendell H. Pottet, Ph.D., Senior Lecturer Emeritus
Academic Senate Distinguished Teaching Award
Philip M. Yager, Ph.D., Professor Emeritus
Affiliated Faculty
Albert De Rokech, Ph.D., Adjunct Professor
Harry B. Rudowsky, Ph.D., Adjunct Professor
Ramona Vogt, Ph.D., Adjunct Professor
Tom Weideman, Ph.D., Lecturer
Dina Zhabin skaia, Ph.D., Lecturer

Pre-Fall 2011 General Education (GE): ArtHum—Arts and Humanities; SciEng—Science and Engineering; SocSci—Social Sciences; Div—Diverse and Complex; AC/AG—American Cultures; DD/Disability; OL/Quantitative; SL—Scientific; V/Visual; WC—Writing Experience
Quarter Offered: F—Fall, W—Winter, S—Spring, Su—Summer; 2017/2018 offering in parentheses