

APE 536 Adapted Physical Education

Units: .5 OR 1.0 **Hours:** 1.5 OR 3.0 Laboratory
Transferable: No

An individualized program of adaptive physical education activities designed to meet the needs of students with physical disabilities. Develops an appreciation of physical activity as a regular planned contribution to one's physical well-being. May be repeated as necessary based on measurable progress as documented in the student's educational contract. This is a pass/no pass course. Previously known as PE 536.

APE 538 Adapted Cardiovascular Conditioning & Training

Units: .5 OR 1.0 **Hours:** 1.5 OR 3.0 Laboratory
Transferable: No

An individualized program of adapted exercises in weight training, stretching and cardiovascular conditioning for those individuals who have been disabled through stroke, cardiovascular accident, arthritis, multiple sclerosis, or other condition. May be repeated as necessary based on measurable progress as documented in the student's educational contract. This is a pass/no pass course. Previously known as PE 538.

INTERCOLLEGIATE ATHLETICS**ATH 35 Basketball**

Units: 1.0 TO 3.0 **Hours:** 3.3 TO 10.0 Laboratory
Transferable: CSU, UC; CSU-GE:E1; GAV-GE:E1

This course provides practice and competition in intercollegiate basketball. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

ATH 36 Golf

Units: 2.0 **Hours:** 10.0 Laboratory
Transferable: CSU, UC; CSU-GE:E1; GAV-GE:E1

This course provides practice and competition in intercollegiate golf. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

ATH 38 Baseball

Units: 2.0 **Hours:** 10.0 Laboratory
Transferable: CSU, UC; CSU-GE:E1; GAV-GE:E1

This course provides practice and competition in intercollegiate baseball for men. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

ATH 42 Football

Units: 2.0 **Hours:** 10.0 Laboratory
Transferable: CSU, UC; CSU-GE:E1; GAV-GE:E1

This course provides practice and competition in intercollegiate football. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

ATH 45 Softball

Units: 2.0 **Hours:** 10.0 Laboratory
Transferable: CSU, UC; CSU-GE:E1; GAV-GE:E1

This course provides practice and competition in intercollegiate softball for women. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

ATH 46 Volleyball

Units: 2.0 **Hours:** 10.0 Laboratory
Transferable: CSU, UC; CSU-GE:E1; GAV-GE:E1

This course provides practice and competition in intercollegiate volleyball for women. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

ATH 47 Soccer

Units: 2.0 **Hours:** 10.0 Laboratory
Transferable: CSU, UC; CSU-GE:E1; GAV-GE:E1

This course provides practice and competition in intercollegiate soccer. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

PHYSICAL SCIENCE**PSCI 1 Principles of Physical Science**

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:B1, IGETC:5A; GAV-GE:B1

An introduction to the physical sciences for the non-science major. Attention is focused on fundamental laws of nature, their development and relation to the physical world. ADVISORY: Mathematics 205 and eligible for English 250 and 260.

PSCI 2 Introduction to Meteorology

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:B1, IGETC:5A; GAV-GE:B1

An introductory course in Meteorology that is both descriptive and analytical on the physical principles affecting the earth's weather. Topics covered include the nature of the atmosphere, solar energy, heat, temperature, pressure, stability, moisture, wind, storms, severe weather and forecasting. The course introduces climatology as a scientific study and will look at the earth's climatic history, current research in climate modeling and the possibility of global climate change. ADVISORY: MATH 205.

PHYSICS**PHYS 1 Introduction to Physics**

Units: 4.0 **Hours:** 3.0 Lecture 3.0 Laboratory
Transferable: CSU, UC; CSU-GE:B1, B3, IGETC:5A; GAV-GE:B1, B3

This course is an introduction to the fundamental physical principles that control the world around us. Students will explore the fundamental principles of physics, their historical development, their application to everyday phenomena, and their impact upon political, social, and environmental issues. Laboratory exercises will explore the everyday world. ADVISORY: Mathematics 205.

PHYS 2A General Physics

Units: 4.0 **Hours:** 3.0 Lecture 3.0 Laboratory
Transferable: CSU, UC; CSU-GE:B1, B3, IGETC:5A; GAV-GE:B1, B3; CAN:PHYS2, PHYS SEQ A

An introduction to the principles of physics using algebra and trigonometry. Topics include kinematics in one and two dimensions, vectors, equilibrium and non-equilibrium applications of Newton's Laws, work and energy, momentum, rotational kinematics and dynamics, simple harmonic motion, elasticity, thermal physics, thermodynamics, and waves. PREREQUISITE: MATH 8A or MATH 9. ADVISORY: Eligible for English 250 and English 260.

PHYS 2B General Physics

Units: 4.0 **Hours:** 3.0 Lecture 3.0 Laboratory
Transferable: CSU, UC; CSU-GE:B1, B3, IGETC:5A; GAV-GE:B1, B3; CAN:PHYS4, PHYS SEQ A

An introduction to the principles of physics using algebra and trigonometry. Topics include electricity and magnetism, light and optics, modern physics, and an introduction to relativity. PREREQUISITE: Physics 2A ADVISORY: Eligible for English 250 and English 260

General Education Requirements, pages 47-57

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