**APE 536  Adapted Physical Education**  
Units: 5.0 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: 5.0 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  
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  
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  
Transferable: CSU, UC; CSU-GE:B1, B3, IGETC:5A; GAV-GE:B1, B3; CAN PHYS Seq A  
An introduction to the principles of physics using algebra and trigonometry. Topics include kinematics in one and two dimensions, vectors, equilibirum 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  
Transferable: CSU, UC; CSU-GE:B1, B3, IGETC:5A; GAV-GE:B1, B3; CAN 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**