PHOT 125 Photographic Portraiture (3)
1½ hours lecture - 4½ hours laboratory
Prerequisite: A minimum grade of "C" in PHOT 130
Transfer acceptability: CSU
Techniques and styles of photographic portraiture. Studio and non studio applications will be explored using black and white and color films or digital capture. Emphasis on lighting equipment and techniques.

PHOT 296 Special Projects (1, 2, 3)
3, 6, or 9 hours laboratory
Prerequisite: A minimum grade of "C" in PHOT 105
Transfer acceptability: CSU
Requires demonstrated proficiency in photography and the creative ability and initiative to work independently on a particular sustained project which does not fit in the context of regularly scheduled classes. Could include portfolio preparation.

Physics (PHYS)
Contact the Physics and Engineering Department for further information.
(760) 744-1150, ext. 2505
Office: NS-355B

PHYS 101 Introduction to Physics (4)
3 hours lecture - 3 hours laboratory
Prerequisite: A minimum grade of "C" in MATH 50 or one year of high school Algebra
Note: Not open to students with prior credit in PHYS 100, 110, 115, 120, 125, 230, 231, and 232
Transfer acceptability: CSU; UC*
An introductory survey course in classical and modern physics. Not intended for science majors.

PHYS 102 Introduction to Physics (Lecture) (3)
3 hours lecture
Prerequisite: A minimum grade of "C" in MATH 50 or one year of high school Algebra
Note: Not open to students with prior credit in PHYS 101, 110, 115, 120, 125, 230, 231, and 232
Transfer acceptability: CSU; UC*
An introductory survey course in classical and modern physics. Not intended for science majors.

PHYS 120 General Physics (4)
3 hours lecture - 3 hours laboratory
Prerequisite: A minimum grade of "C" in MATH 110
Recommended preparation: MATH 115
Transfer acceptability: CSU; UC*
C-ID PHYS 105; C-ID PHYS 100S for PHYS 120 and 121 combined
The fundamental principles of classical mechanics, wave motion, sound, thermodynamics, and fluids.

PHYS 121 General Physics (4)
3 hours lecture - 3 hours laboratory
Prerequisite: A minimum grade of "C" in PHYS 120
Transfer acceptability: CSU; UC*
C-ID PHYS 110; C-ID PHYS 100S for PHYS 120 and 121 combined
A second semester continuation of PHYS 120. The fundamental principles of optics, electricity, magnetism, and modern physics.

PHYS 130 Preparation for Principles of Physics (3)
3 hours lecture
Prerequisite: A minimum grade of "C" in MATH 140, or concurrent enrollment in MATH 140
Transfer acceptability: CSU
Provides the applied mathematics and problem solving/presentation skills necessary for success in an introductory physics sequence for physics and engineering majors. Students will learn how to analytically solve physics problems and properly prepare laboratory reports. Reinforcement of math concepts will be emphasized throughout.

PHYS 131 Preparation for Principles of Physics (3)
3 hours lecture
Prerequisite: A minimum grade of "C" in MATH 140, or concurrent enrollment in MATH 140
Transfer acceptability: CSU
Provides the applied mathematics and problem solving/presentation skills necessary for success in an introductory physics sequence for physics and engineering majors. Students will learn how to analytically solve physics problems and properly prepare laboratory reports. Reinforcement of math concepts will be emphasized throughout.

PHYS 200 Physical Science (PHSC)
See Catalog addendum at http://www.palomar.edu/catalog