COURSE OFFERINGS

ASTR 100 Principles of Astronomy (3)
3 hours lecture
Transfer acceptability: *CSU; UC*
An introduction to the science of astronomy and the nature of the universe. Topics include observation and movements of celestial bodies, exploration of celestial phenomena, the physics of light, and the nature of stars and galaxies.

ASTR 105L Introduction to Astronomy Laboratory (1)
3 hours laboratory
Prerequisite: *A minimum grade of 'C' in ASTR 100 or 120, or concurrent enrollment in ASTR 100 or 120*
Transfer acceptability: *CSU; UC*
Exploration of the techniques used in astronomy to determine the physical properties of stars and galaxies. The physical nature of light and the optical principles of a telescope are also explored. Measurements of planetary and stellar phenomena are used to investigate the astronomical methods of determining the size, composition and age of the universe.

ASTR 120 Planets, Moons, and Comets (3)
3 hours lecture
Note: *Cross listed as GEOL 120*
Transfer acceptability: *CSU; UC*
The astronomy and geology of the solar system, observations, dynamics relativistic ideas, including theories of formation and evolution. Comparative survey of the atmospheres, surface features and interiors of planets and satellites. Minor objects, such as comets and asteroids, will be included.

ASTR 197 The Universe: Contemporary Topics in the Space Sciences (1-3)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.
Transfer acceptability: *CSU; UC - Credit determined by UC upon review of course syllabus.*
Selected topics in astronomy and space sciences, emphasizing current research and discoveries. Refer to the Class Schedule for specific topics covered.

ASTR 210 Life in the Universe (3)
3 hours lecture
Prerequisite: *A minimum grade of 'C' in ASTR 100 or 120*
Transfer acceptability: *CSU*
A scientific exploration of life in the universe using the findings of astronomy biology, and chemistry. Topics include the development of life and its environments on Earth, the search for life in the cosmos, interstellar communications and travel, and the effects of contact.

ASTR 295 Directed Study in Astronomy (1, 2, 3)
Arrange 3, 6, or 9 hours laboratory with department chairperson
Prerequisite: *A minimum grade of 'C' in ASTR 100 or 120*
Transfer acceptability: *CSU; UC - Credit determined by UC upon review of course syllabus.*
Individual study in field, library, or laboratory for interested students.

Athletics and Competitive Sports (ACS)

Contact the Athletics Department for further information.
(760) 744-1150, Ext. 2460
Office: O-10

The intercollegiate athletics program at Palomar College is one of the most comprehensive and diverse among the California Community Colleges, featuring 22 varsity sport programs and over 450 student participants annually. Palomar fields intercollegiate teams in the following men's sports: baseball, basketball, cross country, football, golf, soccer, swimming and diving, tennis, volleyball, water polo, and wrestling. The list of women's sports includes: basketball, cross country, golf, beach volleyball, soccer, softball, swimming and diving, tennis, track and field, volleyball, and water polo. Additionally, the Athletic Department oversees a co-educational cheerleading program. Students must meet the eligibility standards of the California Community College Athletic Association in order to represent the institution athletically.

Prospects for Palomar College intercollegiate athletic teams may not participate in an official practice or competition, nor be issued equipment or apparel from athletic equipment management without departmental verification of the following items:

1. Current and active full-time enrollment in good standing at Palomar College. (Full-time enrollment defined as enrollment in a minimum of 12 semester units, nine (9) of which must be in academic course work leading to a certificated degree and/or transfer to the four-year level.
2. Qualification of CCCAA athletic and academic eligibility standards.
3. Satisfactory physical examination by a physician (medical doctor) approved by Palomar College.
4. Health insurance evaluation by the Palomar College Athletic Training Staff.
5. Participate in the Palomar College Athletic Academic Advisement Program which includes:
   a. Establishment of an Individual Education Plan by October 15th for Fall-sport athletes and by March 15th for Spring-sport athletes.
   b. Assessment of academic course progress conducted each semester.

INTERCOLLEGIATE ATHLETIC COURSE OFFERINGS

Students enrolled in an Athletic and Competitive Sport are limited to 175 contact hours per year in Kinesiology courses that focus on conditioning or skilldevelopment for that respective sport. Specific information about enrollment limitations for Kinesiology classes is available at http://www.palomar.edu/schedule/restrictions.htm

Courses numbered under 100 are not intended for transfer credit.

ACS 50 Introduction to Collegiate Athletics (1)
1 hour lecture
Program for matriculation, eligibility rules, exploring and identifying major emphasis of study, academic success skills, educational planning as it relates to transfer as a student athlete.

ACS 55 Cheerleading (1, 2)
3 or 6 hours laboratory
Prerequisite: *Enrollment subject to audition*
Note: *This class will require travel away from the college on weekends and other dates*
Designed to teach the fundamentals of cheerleading. Explores practical and theoretical aspects of competitive and non-competitive cheerleading. Students will acquire knowledge of, and respect for, the skills needed to perform at college events and competition.

ACS 101 Intercollegiate Softball (3)
9 hours laboratory
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units*
Provides women with the opportunity to develop advanced skills and strategies in intercollegiate softball which will be applied to competitive situations.

ACS 110 Intercollegiate Basketball (3)
9 hours laboratory
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units*
Provides men and women with the opportunity to develop advanced skills and strategies in intercollegiate basketball which will be applied to competitive situations.

See Catalog addendum at http://www.palomar.edu/catalog

ACS 115 Intercollegiate Golf (3)
9 hours laboratory
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units*
Provides students with the opportunity to develop advanced skills and strategies in intercollegiate golf which will be applied to competitive situations.

ACS 120 Intercollegiate Tennis (3)
9 hours laboratory
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units*
Provides men and women with the opportunity to develop advanced skills and strategies in intercollegiate tennis which will be applied to competitive situations.

ACS 125 Intercollegiate Soccer (3)
9 hours laboratory
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units*
Provides men and women with the opportunity to develop advanced skills and strategies in intercollegiate soccer which will be applied to competitive situations.

ACS 130 Intercollegiate Volleyball (3)
9 hours laboratory
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units*
Provides men and women with the opportunity to develop advanced skills and strategies in intercollegiate volleyball which will be applied to competitive situations.

ACS 135 Intercollegiate Swimming and Diving (3)
9 hours laboratory
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units*
This course provides men and women with the opportunity to develop advanced skills and the strategies in intercollegiate swim/diving which will be applied to competitive situations.

ACS 140 Intercollegiate Water Polo (3)
9 hours laboratory
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units*
Provides men and women with the opportunity to develop advanced skills and strategies in intercollegiate water polo which will be applied to competitive situations.

ACS 145 Intercollegiate Football (3)
9 hours laboratory
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units*
Provides students with the opportunity to develop advanced skills and strategies in intercollegiate football which will be applied to competitive situations.

ACS 150 Intercollegiate Wrestling (3)
9 hours laboratory
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units*
Provides students with the opportunity to develop advanced skills and strategies in intercollegiate wrestling which will be applied to competitive situations.

ACS 155 Intercollegiate Baseball (3)
9 hours laboratory
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units*
Provides students with the opportunity to develop advanced skills and strategies in intercollegiate baseball which will be applied to competitive situations.

ACS 160 Intercollegiate Cross Country (3)
9 hours laboratory
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units*
Provides men and women with the opportunity to develop advanced skills and strategies in intercollegiate cross country which will be applied to competitive situations.

ACS 165 Intercollegiate Track and Field (3)
9 hours laboratory
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units.*
This course provides students with the opportunity to develop advanced skills and the strategies in intercollegiate track and field which will be applied to competitive situations.

ACS 180 Intercollegiate Sand Volleyball (3)
9 hours laboratory
Transfer acceptability: *CSU; UC*
Provides women with the opportunity to develop advanced skills and strategies in intercollegiate sand volleyball which will be applied to competitive situations.

ACS 197 Topics in Athletics and Competitive Sports (.5 - 4)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.
Transfer acceptability: *CSU; UC - max credit combined with KINE activity courses, 4 units.*
Topics in Athletics and Competitive Sports. See Class Schedule for specific topic offered. Course title will designate subject covered.

Auto Body (AB)

Contact the Trade and Industry Department for further information.
(760) 744-1150, ext. 2545
Office: T-102A

AB 50 Auto Body Repair I (3)
(Formerly AT 50)
1½ hours lecture - 4½ hours laboratory
Automotive body work with emphasis on repair. Includes welding; working with small damage points; restoring contour of body panels and sections; and realigning bumpers, fenders, doors, and hoods.

AB 51 Auto Body Repair II (3)
(Formerly AT 51)
1½ hours lecture - 4½ hours laboratory
Recommended preparation: *AB 50*
Automotive body work with emphasis on increasing diagnostic, estimating and repair skills and updating techniques and related technologies. Introduction to collision industry standards including I-CAR and ASE.

AB 55 Auto Refinishing I (3)
(Formerly AT 55)
1½ hours lecture - 4½ hours laboratory
Introduction to auto refinishing. Preparation of auto surfaces for refinishing: taping, cleaning, and sanding. Refinishing auto surfaces: sanding, application of primers and paint.

AB 56 Auto Refinishing II (3)
(Formerly AT 56)
1½ hours lecture - 4½ hours laboratory
Recommended preparation: *AB 55*
Skill development in automotive refinishing techniques, including base-coat, clear-coat application; color matching concepts; and identification, prevention and correction of painting problems. New products, techniques, and trends will be covered.

AB 97 Auto Body Repair/Auto Refinishing Topics (.5 - 4)
(Formerly AT 97)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.
Topics in auto body repair and auto refinishing. See Class Schedule for specific topic offered. Course title will designate subject covered.