Mathematics-Medical Assisting-Microbiology-Multicultural Studies

MATH 197  Mathematics Topics (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.
Prerequisite: A minimum grade of ‘C’ in either MATH 56 or MATH 60, or eligibility determined through the math placement process
Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus
Topics in Mathematics. See Class Schedule for specific topic offered. Course title will designate subject covered.

MATH 200  Introduction to Linear Algebra (3)
Prerequisite: A minimum grade of ‘C’ in MATH 141
Transfer acceptability: CSU; UC
C-ID MATH 250
Matrices, determinants, vectors, linear dependence and independence, basis and change of basis, linear transformations, and eigen values.

MATH 205  Calculus With Analytic Geometry, Third Course (4)
Prerequisite: A minimum grade of ‘C’ in MATH 205
Transfer acceptability: CSU; UC
C-ID MATH 210
Vectors in the plane and space, three-dimensional coordinate system and graphing, vector-valued functions and differential geometry, partial differentiation, multiple integration, and vector calculus.

MATH 206  Calculus With Differential Equations (4)
Prerequisite: A minimum grade of ‘C’ in MATH 205
Transfer acceptability: CSU; UC
C-ID MATH 240
A first course in ordinary differential equations from analytic, geometric, numeric and applied perspectives (including the use of modern computational technology as appropriate). Topics include exact, separable, and linear equations; initial value and boundary-value problems; systems of first-order equations; reduction of order; undetermined coefficients; variation of parameters; series solutions; and Laplace transforms.

MATH 245  Discrete Mathematics (3)
Prerequisite: A minimum grade of ‘C’ in MATH 130 or MATH 140
Transfer acceptability: CSU; UC
The study of prepositional and predicate logic, number theory and methods of proof, elements of set theory, relations and functions, the Pigeonhole Principle, sequences, infinite sets, basic counting techniques, permutations, combinations, graphs and trees, and applications directed to the field of computer science.

Medical Assisting
See Business (BUS)
Medical Assisting Clinical not offered at Palomar College

Microbiology (MICR)
Contact the Life Sciences Department for further information.
(760) 744-1150, ext. 2275
Office: NS-207A

MICR 110  Microbiology and Foods (3)
Prerequisite: BIOL 102; or BIOL 200 and CHEM 104 or CHEM 100; or BIOL 105 and CHEM 100; or BIOL 101L and CHEM 104 or CHEM 100; or ZOO 203
Transfer acceptability: CSU; UC
Fundamentals of microbiology including medical aspects of microbiology.

MICR 197  Microbiology Topics (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
Topics in Microbiology. See Class Schedule for specific topic offered. Course title will designate subject covered.

MICR 200  Fundamentals of Microbiology (4)
2 hours lecture - 7 hours laboratory
Prerequisite: A minimum grade of ‘C’ in BIOL 102; or BIOL 200 and CHEM 104 or CHEM 100; or BIOL 100 and CHEM 104 or CHEM 100; or BIOL 105 and CHEM 104 or CHEM 100; or ZOO 203
Transfer acceptability: CSU; UC
Fundamentals of microbiology including medical aspects of microbiology.

Multicultural Studies (MCS)
See also Africana Studies, American Indian Studies, American Studies, Chicano Studies, Judaic Studies
Contact the Multicultural Studies Department for further information.
(760) 744-1150, ext. 2206
Office: MD-354

COURSE OFFERINGS

MCS 100  Introduction to Multicultural Studies (3)
Prerequisite: CSU; UC
Social, cultural and political awareness of diverse national and international systems of thought and multicultural groups as revealed through their social institutions and cultural traditions emanating from family, community and nation - state.

MCS 110  Diverse Cultures in America Today (3)
Note: Cross listed as AMS 110
Transfer acceptability: CSU; UC
An investigation of prevalent cultural trends in four groups of diverse ethnic and cultural backgrounds in America -- African Americans, Latinos, Chinese, and people of Jewish heritage -- since World War II. Emphasis will be placed on the literary, musical, and artistic expressions of their heritage, social conditions, struggle to become part of the main culture, and response to prejudice, racial, and religious discrimination. Selections dealing with social conditions will include such diverse issues as family life, intergenerational conflicts, and religious traditions.

MCS 115  Graphics and Media: A Multicultural Perspective (3)
Note: Cross listed as GC 115
Transfer acceptability: CSU; UC
An introduction to the impact of media technology on the visual arts from a multicultural perspective. Includes print, Internet, multimedia, and game design. Embraces the diversity and multicultural perspectives that reflect American demographics by presenting individual and collaborative contributions as well as strategies for designing niche marketing and advertising graphics for a multicultural society. Addresses the impact of globalization. Examines gender, ethnicity (African American, American Indian, Asian-Americans and/or Pacific Islanders, and Mexican American in particular), age, sexual orientation, and universal access for people with impairments.

MCS 124  Islamic Cultures and Traditions (3)
Note: Cross listed as RS 124
Transfer acceptability: CSU; UC
An introductory course designed for students with a general interest in the Islamic world, including its history and cultural traditions. Examines the main social, traditional and legal institutions of Islam.