

KIN 88B Social Dance - Intermediate

Units: .5 OR 1.0 **Hours:** 1.5 OR 3.0 Lecture
Transferable: CSU, UC

This course is designed to develop the students' artistry and technique of social dance at an intermediate level. Students will learn intermediate steps, rhythms and partnering techniques across a wide range of social dances. This course has the option of a letter grade or pass/no pass. Courses should be taken in sequential order.

KIN 89A Stability Ball Training - Level 1

Units: .5 OR 1.0 **Hours:** 1.5 OR 3.0 Laboratory
Transferable: CSU; GAV-GE:E1

This course is designed to increase overall fitness using a stability ball. The class will introduce exercises used for strengthening core muscles and developing endurance and balance. Students will supply their own stability ball and exercise mat. This course has the option of a letter grade or pass/no pass.

KIN 89B Stability Ball Training - Level 2

Units: .5 OR 1.0 **Hours:** 1.5 OR 3.0 Laboratory
Transferable: CSU; GAV-GE:E1

This course is designed to increase overall fitness using a stability ball. The class will focus on intermediate level exercises used for strengthening core muscles and developing endurance and balance. Students will supply their own stability ball and exercise mat. This course has the option of a letter grade or pass/no pass.

KIN 89C Stability Ball Training - Level 3

Units: .5 OR 1.0 **Hours:** 1.5 OR 3.0 Laboratory
Transferable: CSU; GAV-GE:E1

This course is designed to increase overall fitness using a stability ball. The class will focus on advanced level exercises used for strengthening core muscles and developing endurance and balance. Students will supply their own stability ball and exercise mat. This course has the option of a letter grade or pass/no pass.

LIBRARY**LIB 3 Research Skills**

Units: 2.0 **Hours:** 2.0 Lecture
Transferable: CSU

Research and evaluation skills using the Internet and other electronic resources, as well as traditional printed materials. Also listed as CSIS 3. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 250 and 260.

LIB 6 Web Page Authoring I

Units: 2.0 **Hours:** 2.0 Lecture
Transferable: CSU; GAV-GE:E2

A introduction to using Hypertext Mark-Up Language (HTML) and Extensible HTML (XHTML) to create web pages which can be uploaded and displayed on the World Wide Web. Students will use HTML/XHTML to create web pages with text in various sizes and colors, links to other sites, background color or patterns, graphics, tables, and mailto links. Principles of design and color as they apply to screen presentations will be included. This course has the option a letter grade or pass/no pass. Also listed as CSIS 6 and DM 6. ADVISORY: CSIS 1 or CSIS 2 or CSIS/LIB 3 advised.

LIB 99 Research Skills for English 1A

Units: 1.0 **Hours:** 1.0 Lecture
Transferable: CSU

This course develops information competency skills as defined by the Academic Senate for CA Community Colleges. It is designed to be integrated with English 1A curriculum, so that these skills are developed in a meaningful context. It includes lessons and activities related to understanding the research process; developing a research question and a research strategy; taking notes for research; general principles of searching; effective use of the library catalog and online databases; finding and evaluating internet sources; citing sources; and creating an annotated bibliography. ADVISORY: This course will be part of a Learning Community. This course will be paired with specific sections of ENGL 1A.

LIB 140 Online Health Research

Units: 2.0 **Hours:** 2.0 Lecture
Transferable: CSU

A beginning course on how to find reliable and current health-related information, using the Internet and other electronic resources. This course is also listed as AH 140.

MANAGEMENT**MGMT 101 Introduction to Management**

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU

This is a basic course in management introducing a variety of modern management concepts. This course includes the basic management functions of planning, organization, staffing, leadership, and control. In addition, such concepts as team development, communication, business ethics, and global management perspectives will be discussed. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 250 and English 260.

MGMT 102 Retail Management

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU

Principles and practices used in management of retail businesses such as foods, motels, service stations, and direct channels. Includes site selection, layout, organization, staffing, positioning, customer service, promotional techniques, and all aspects of the critical buying function. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 250 and English 260.

MGMT 104 Leadership/Human Relations in Business

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU

This course is designed to aid future employees and employers to understand and utilize human relations concepts as they apply to the business environment. It will cover such area as morale, personal efficiency, leadership, personality, motivation, and communication. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 250 and English 260.

MGMT 120 Human Resource Management

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU

This course introduces human resource management as a staff function in the administration of an organization. The course examines techniques of human resource planning, recruiting, selecting, training, and evaluating personnel; compensation and benefits administration; and union/management relations. This course has the option of a letter grade or pass/no pass.

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MGMT 190 Occupational Work Experience / Management - Supervision

Units: 1.0 TO 4.0 **Hours:** 5.0 TO 20.0 Laboratory
Transferable: CSU

Occupational work experience for students who have a job related to their major. A training plan is developed cooperatively between the employer, college and student. (P/NP grading) 75 hours per semester paid work = 1 unit. 60 hours non-paid (volunteer) work per semester = 1 unit. May be taken for a maximum total of 16 units. Minimum 2.00 GPA. **REQUIRED:** Declared vocational major.

MARKETING**MKTG 100 Principles of Marketing**

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU

An introduction to the economic and social problems involved with moving goods and services from the producer to the consumer. This course covers topics such as marketing institutions, channels of distribution, pricing, and government relationships. This course has the option of a letter grade or pass/no pass. **ADVISORY:** Eligible for English 250 and English 260.

MKTG 190 Occupational Work Experience / Marketing

Units: 1.0 TO 4.0 **Hours:** 5.0 TO 20.0 Laboratory
Transferable: CSU

Occupational work experience for students who have a job related to their major. A training plan is developed cooperatively between the employer, college and student. (P/NP grading) 75 hours per semester paid work = 1 unit. 60 hours non-paid (volunteer) work per semester = 1 unit. May be taken for a maximum total of 16 units. Minimum 2.00 GPA. **REQUIRED:** Declared vocational major.

MATHEMATICS**MATH 1A Single - Variable Calculus and Analytic Geometry**

Units: 4.0 **Hours:** 4.0 Lecture
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A, GAV-GE:B4

Limits and continuity, analyzing the behavior and graphs of functions, derivatives, implicit differentiation, higher order derivatives, related rates and optimization word problems, Newton's Method, Fundamental Theorem of Calculus, and definite and indefinite integrals. (C-ID: MATH 210, MATH 900S: Math 1A + Math 1B) **PREREQUISITE:** Mathematics 8B with a grade of 'C' or better. (C-ID: MATH 900S: Math 1A + Math 1B)

MATH 1B Single - Variable Calculus and Analytic Geometry

Units: 4.0 **Hours:** 4.0 Lecture
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A, GAV-GE:B4

This course is a standard second semester Calculus course covering methods of integration, applications of the integral, differential equations, parametric and polar equations, and sequences and series. (C-ID: MATH 220, MATH 900S: Math 1A + Math 1B) **PREREQUISITE:** Mathematics 1A with a grade of 'C' or better.

MATH 1C Multivariable Calculus

Units: 4.0 **Hours:** 4.0 Lecture
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A, GAV-GE:B4

A standard third semester Calculus course covering functions of several variables, vectors, surfaces, vector-valued functions, partial derivatives, multiple and line integrals, Green's Theorem, Stokes' Theorem, and the Divergence Theorem. **PREREQUISITE:** Mathematics 1B with a grade of 'C' or better.

MATH 2 Linear Algebra

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A, GAV-GE:B4

A standard one semester Linear Algebra course covering systems of linear equations, vectors and matrices, determinants, vector spaces, linear transformations, eigenvalues, and eigenvectors. Graphing calculators and computers will be used. (C-ID: MATH 250) **PREREQUISITE:** Mathematics 1C with a grade of 'C' or better.

MATH 2C Differential Equations

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A, GAV-GE:B4

An introductory course in differential equations that covers: first order differential equations including separable, linear, exact, homogeneous, bernoulli and Euler's Method; second order differential equations including homogeneous, nonhomogeneous, variation of parameters, method of undetermined coefficients and reduction of order; series solutions to differential equations; Laplace Transforms; linear systems; and if time, Fourmier Analysis; and applications thereof. (C-ID: MATH 240) **PREREQUISITE:** Mathematics 1C with a grade of 'C' or better.

MATH 5 Introduction to Statistics

Units: 3.0 **Hours:** 3.0 Lecture and 1.0 Laboratory
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A, GAV-GE:B4

Descriptive analysis and presentation of either single-variable data or bivariate data, probability, probability distributions, normal probability distributions, sample variability, statistical inferences involving one and two populations, analysis of variance, linear correlation and regression analysis. Statistical computer software will be extensively integrated as a tool in the description and analysis of data. The instructor will be using and supporting a TI-83 Plus graphing calculator in all classroom demonstrations. **PREREQUISITE:** MATH 233, or MATH 240, or MATH 233A and MATH 233B, or MATH 242 with a grade of 'C' or better.

MATH 6 Calculus for Business / Social Science

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A, GAV-GE:B4

This course applies the fundamental principles and techniques of calculus to problems in business, economics, the life sciences and the social sciences. Topics will include limits, and differentiation and integration of linear, quadratic, polynomial, exponential and logarithmic functions. This course is not intended for students majoring in engineering, the physical sciences or math. Using a calculator is required. Graphing calculator is recommended. (C-ID: MATH 140) **PREREQUISITE:** Mathematics 235 or Mathematics 240 with a grade of 'C' or better.

MATH 7 Finite Mathematics

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A, GAV-GE:B4

Systems of linear equations and matrices, introduction to linear programming, finance, counting techniques and probability, properties of probability and applications of probability. **PREREQUISITE:** Mathematics 233 with a grade of 'C' or better.

MATH 8A First Half of Precalculus

Units: 4.0 **Hours:** 4.0 Lecture
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A, GAV-GE:B4

Math 8A prepares the student for the study of calculus by providing important skills in algebraic manipulation, interpretation, and problem solving at the college level. Topics will include basic algebraic concepts, complex numbers, equations and inequalities of the first and second degree, functions, and graphs, linear and quadratic equations, polynomial functions, exponential and logarithmic functions, systems of equations, matrices and determinants, right triangle trigonometry, and the Law of Sines and Cosines. **PREREQUISITE:** Mathematics 233 with a grade of 'C' or better. The instructor will be using and supporting TI-83 Plus graphing calculator in all classroom demonstrations.

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