

**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. May be repeated three times for credit. Also listed as CSIS 6 and DM 6. ADVISORY: CSIS 1 or CSIS 2 or CSIS/LIB 3 advised.

**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; GAV-GE:F

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; GAV-GE:F

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; GAV-GE:F

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.

**MGMT 190 Occupational Work Experience/Management - Supervision****Units:** 1.0 TO 4.0 **Hours:****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:****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.

**MASS COMMUNICATIONS and TELEVISION****Mass Media: see also JOUR 10, Theatre Arts/Television****MCTV 6 Introduction to Audio Production****Units:** 3.0 **Hours:** 2.0 Lecture and 3.0 Laboratory**Transferable:** CSU

The theory and practice of audio techniques in radio, television, film and multimedia; including acoustics, audio language and terms, signal flow, use of microphones, use of mixers and related production equipment and the aesthetic aspects of sound mixing. Student will apply the learned materials to actual audio production. This course has the option of a letter grade or pass/no pass. May be repeated three times for credit. This course is also listed as THEA 6.

**MCTV 16 Television History and Practice****Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU

This course examines theories, history and development of television technology and current distribution practices. Programming genres and production techniques are analyzed, evaluated and compared with other societies as tools of mass communication. This course is also listed as THEA 16. ADVISORY: Eligible for English 250 and 260.

**MCTV 17A Television and Video Workshop****Units:** 3.0 **Hours:** 2.0 Lecture and 3.0 Laboratory**Transferable:** CSU

An introduction to television and video technology, including pre-production, production and post-production techniques such as: camera work, studio equipment, lighting, audio plus off-line and on-line editing. This course is also listed as THEA 17A. ADVISORY: Theatre Arts 16 Intro to TV or consent of instructor.

**MCTV 17B Television and Video Workshop****Units:** 3.0 **Hours:** 2.0 Lecture and 3.0 Laboratory**Transferable:** CSU

Emphasis placed on production and post-production techniques in video production. Student knowledge and skills are increased by participating in live to tape projects. May be repeated twice for credit. This course is also listed as THEA 17B. ADVISORY: Completion of Theatre Arts 17A.



**MCTV 19 Television and Film Acting****Units:** 3.0 **Hours:** 2.0 Lecture and 3.0 Laboratory**Transferable:** CSU, UC

Theory and practice of acting for film and television. Students will learn basic performance techniques for the camera. Learning experiences include projects in broadcasting, reporting, commercials, public service announcements (PSA), comedy and drama. This course has the option of a letter grade or pass/no pass. May be repeated three times for credit. This course is also listed as THEA 19.

**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; CAN:MATH34

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. **PREREQUISITE:** Mathematics 233 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; CAN:MATH12

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.

**MATH 8B Second Half of Precalculus****Units:** 4.0 **Hours:** 4.0 Lecture**Transferable:** CSU, UC; CSU-GE:B4, IGETC:2A; GAV-GE:B4

Math 8B prepares students for the study of calculus by providing important skills in algebraic manipulation, interpretation, and problem solving at the college level. Topics will include trigonometric functions, identities, inverse trigonometric functions, and equations; applications of trigonometry, vectors, complex numbers, polar and parametric equations; conic sections; sequences, series, counting principles, permutations, mathematical induction; analytic geometry, and an introduction to limits. **PREREQUISITE:** Mathematics 8A with a grade of 'C' or better. **ADVISORY:** Math 208 Survey of Practical Geometry.

**MATH 12 Mathematics for Elementary Teachers****Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:B4; GAV-GE:B4

This course is intended for students preparing for a career in elementary school teaching. Emphasis will be on the structure of the real number system, numeration systems, elementary number theory, and problem solving techniques. Technology will be integrated throughout the course. **PREREQUISITE:** High School Geometry and Math 233 (Intermediate Algebra), or, Math 208 (Plane Geometry) and Math 233 (Intermediate Algebra). All courses must be completed with a grade of 'C' or better.

**MATH 14 Math for the Liberal Arts****Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:B4, IGETC:2A; GAV-GE:B4

Survey of selected topics from contemporary mathematics to introduce the student to mathematical thinking for the non-specialist. Topics include systems of numeration, algebraic modeling, linear programming, trigonometry, math of finance, probability and statistics, and an introduction to calculus. **PREREQUISITE:** Math 233 with a grade of 'C' or better.

**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; CAN:MATH18, MATH SEQ BC

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. **PREREQUISITE:** Mathematics 10 or Mathematics 8B with a grade of 'C' or better.

**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; CAN:MATH20, MATH SEQ BC

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. **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; CAN:MATH22, MATH SEQ BC

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; CAN:MATH26

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. **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; CAN:MATH24

Introduction to ordinary differential equations, first-order differential equations, linear differential equations of higher order, vibration models, power-series solutions, the Laplace transform, and systems of linear differential equations. **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; CAN:STAT2

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. **PREREQUISITE:** Mathematics 233 with a grade of 'C' or better. The instructor will be using and supporting a TI-83 Plus graphing calculator in all classroom demonstrations.