

CMUN 4 Intercultural Communication**Units:** 3 **Hours:** 3 Lecture**Transferable:** CSU; UC; CSU-GE: D3, D7; IGETC: 4G; GAV-GE: D2, F

This course will explore the dynamics of communication as it applies to people from different cultures. Course content focuses on the application of theory and research to intercultural communication contexts. Increasing the awareness and understanding of diversity, the perception process, culture, verbal and non-verbal communication and the obstacles that prevent one from becoming a competent intercultural communicator will be examined.

CMUN 5 Fundamentals of Communication Studies**Units:** 3 **Hours:** 3 Lecture**Advisory:** English 250 and English 260.**Transferable:** CSU; UC; CSU-GE: A1; IGETC: 1C; GAV-GE: A1

This course provides instruction and application of theory and practice in various communication contexts including the self concept, interpersonal, interviewing skills, small group dynamics, and public speaking. Emphasis is placed on analytical and organizational skills, listening, nonverbal and verbal communication, and public speaking communication methodology.

CMUN 6 Introduction to Conflict Resolution**Units:** 3 **Hours:** 3 Lecture**Advisory:** English 250 and English 260.**Transferable:** CSU; CSU-GE: D7; GAV-GE: D2

Introduction to Conflict Resolution introduces students to conflict resolution and mediation. Integrating theory and practice, students will assess core concepts about the causes and resolution of conflict, and will practice communication skills for conflict resolution. Students will examine how ethnicity, gender, and class affect power in conflict situations. They will be able to formulate appropriate conflict resolution strategies, and will develop and practice various basic co-mediation skills. This course has the option of a letter grade or pass/no pass. This course is also listed as POLS 6 and PSYC 6.

CMUN 8 Interpersonal Communication**Units:** 3 **Hours:** 3 Lecture**Transferable:** CSU; UC; CSU-GE: A1; IGETC: 1C; GAV-GE: A1

This course studies the communication process in an interpersonal (dyadic) setting. This class will explore the ways in which we can improve our communication with others. Verbal and nonverbal messages, self-concept, cultural differences, gender differences, perception, listening and conflict management will be explored.

CMUN 10 Small Group Communication**Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU; UC; CSU-GE: A1; IGETC: 1C; GAV-GE: A1; CAN: SPCH 10

An introductory course that develops basic individual reasoning skills, insights and experiences in information-sharing, interacting, decision-making, problem-solving, resolution of disputes and other issues central to group processes.

CMUN 11 Business Communication**Units:** 3 **Hours:** 3 Lecture**Prerequisite:** English 250.**Advisory:** Communication 1A or English 1A.**Transferable:** CSU

This course will explore business communication contexts by examining organizational cultures, strategic vision and goal setting, leadership managerial roles, and team building communication. Emphasis is placed on analytical and organizational skills, listening, nonverbal and verbal communication, public speaking communication methodology, and domestic and international relations through use of hybrid online and classroom environment for lecture and application.

CMUN 129 Presentation Graphics - MS Powerpoint**Units:** 1 **Hours:** 1 Lecture**Advisory:** CSIS 126 or word processing skills in the Windows environment.**Transferable:** CSU

This introductory course in presentation graphics will use Microsoft Office's "PowerPoint" software to create a computerized presentation with text and objects. 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 CSIS 129.

Computer Art: see ART 48A/B, CSIS or Digital Media

COMPUTER GRAPHICS & DESIGN

CGD 1 Industrial Sketching and Problem Solving**Units:** 2 **Hours:** 1 Lecture, 3 Laboratory**Advisory:** Eligible for English 250, English 260 and Mathematics 205.**Transferable:** CSU

Graphical problem solving techniques used by professional designers in various fields of application using both traditional freehand and the computer. Emphasis is on developing the mental ability to visualize objects/shapes and their manipulation. This is an open entry exit supervised class. Students may concurrently enroll in CGD 110 or GCD 2L. May be repeated three times for a total of 8 units.

CGD 2 2D/3D Technical Computer Graphics I**Units:** 4 **Hours:** 2 Lecture, 6 Laboratory**Advisory:** LIB 3 and MATH 404G.**Transferable:** CSU

Introduction and foundation to 2D and 3D visualization and manipulation using modeling, rendering, and animation processes. Emphasis is on individual students developing a personal style of problem solving and designing for a variety of design fields. Students work on cooperative group projects or individual assignments. This is an open entry/exit class and may be repeated once. May be repeated once for credit. This course has the option of a letter grade or pass/no pass.

CGD 4 2D/3D Technical Computer Graphics II**Units:** 4 **Hours:** 2 Lecture, 6 Laboratory**Advisory:** Completion of CGD 2 with a grade of C or better.**Transferable:** CSU

Intermediate to complex 2D/3D modeling of geometric objects including working drawings, rendering and animation activities. This class allows personal student development in imagination and inventive problem solving that can be related to various creative design fields. Students work in individual and cooperative group projects. This is an open entry/exit course.

CGD 6 Advanced Technical Computer Graphics**Units:** 4 **Hours:** 2 Lecture, 6 Laboratory**Advisory:** Eligible for English 250, 260 and Mathematics 233.**Transferable:** CSU

Computer design in precision manufacturing. Applied geometry, mathematics for layout, and tolerancing. Advanced design processes and documentation for the designer. Students may concurrently enroll in CGD 110. An open entry/exit course.

CGD 8 Advanced Computer Graphics for Design Application I**Units:** 4 **Hours:** 2 Lecture, 6 Laboratory**Advisory:** Eligible for English 250, 260 and Mathematics 233.**Transferable:** CSU

Application of computer graphics to specific technical design and graphic communication projects tailored to the student's major study area. An open entry/exit supervised class. This allows students an individual or a cooperative learning environment on selected projects. Students may concurrently enroll in CGD 110.

CGD 9 Advanced Computer Graphics for Design Application II**Units:** 4 **Hours:** 2 Lecture, 6 Laboratory**Advisory:** Satisfactory score on the English placement exam or a grade C or better in English 250, completion of Mathematics 233 or satisfactory Mathematics placement. Completion of CGD 2 and CGD 8 with a grade of C or better.**Transferable:** CSU

A course designed to the student's major study area using computer graphics. The student can combine various content areas for a specific application. An open entry/exit supervised class which allows for a shortened semester schedule with a corresponding increase in lab time. The student is allowed an individual or a cooperative environment on selected projects. Students may concurrently enroll in CGD 110 and CGD 4.

CGD 30 Residential Design**Units:** 4 **Hours:** 2 Lecture, 6 Laboratory**Advisory:** Eligible for English 250, 260 and Mathematics 233.**Transferable:** CSU

CAD applications in residential design. Concept drawings, working drawings, documentation, and specifications. Student may concurrently enroll in CGD 110.

CGD 110 Computer Graphics Lab**Units:** 1-4 **Hours:** 12 Laboratory**Advisory:** Concurrent enrollment in corresponding computer graphic and design classes.**Transferable:** CSU

Structured for students concurrently enrolled in computer graphics and art classes. Provides supervised practice and individualized computer assisted learning on software applications and techniques commonly found in the computer graphic design field. This is an open entry/exit class and may be repeated three times. This course has the option of a letter grade or pass/no pass.

CGD 160 Technical Manual Desktop Publishing/ Graphics**Units:** 4 **Hours:** 2 Lecture, 6 Laboratory**Advisory:** Eligible for English 250, 260 and Mathematics 233. Familiarity with word processing, keyboarding, and DOS file management.**Transferable:** CSU

Combines graphic arts, CAD, and desktop software. Topics include graphic design, drawing, text managing, typography, image scanning, clip art, and technical document publication. This is an open entry/exit class.

CGD 190 Occupational Work Experience/Computer Graphics & Design**Units:** 1-4 **Hours:** 20 Laboratory**Required:** Declared vocational major. Concurrent enrollment in seven or more units (including CWE units, except for summer school. For summer school enrollment in one other class is required). Minimum 2.0 G.P.A.**Transferable:** CSU

College credit for learning experience obtained on the job in accordance with a training plan developed cooperatively between the employer, college and student. 75 hours per semester per unit or 60 hours per semester for unpaid experience. This is a pass/no pass course. May be taken for a maximum of 16 work experience units.

COMPUTER SCIENCE & INFORMATION SYSTEMS

C

CSIS 1 Computer Literacy - MS Office**Units:** 2 **Hours:** 2 Lecture**Advisory:** Eligible for English 250 and English 260; completion of CSIS 122.**Transferable:** CSU; UC; GAV-GE: E2; CAN: CSCI 2

An introduction to terminology, design, operation for the novice user. Student will gain experience using the Internet for searches and email. They will complete projects using various software including word processing, spreadsheets, database, presentation graphics, and integration. This course has the option of a letter grade or pass/no pass.

CSIS 2 Computers in Business - MS Office**Units:** 4 **Hours:** 3 Lecture, 3 Laboratory**Advisory:** Eligible for Mathematics 233, English 260 and English 250, and CSIS 122**Transferable:** CSU; GAV-GE: E2; CAN: BUS 6

Introduction to computerized business data processing, information management systems, computer hardware, office automation, telecommunications, computer languages, systems analysis and design; hands on experience with common business software packages including word processing, spreadsheets, data base management, presentation graphics as well as systems software and Internet applications. This course has the option of a letter grade or pass/no pass.

CSIS 2L Computers in Business Lab - MS Office**Units:** 1 **Hours:** 3 Laboratory**Transferable:** CSU

Computer Lab emphasizing business application in Microsoft Word, Excel, Access, Power Point and Integration. Internet searches are included. This course has the option of a letter grade or pass/no pass. Since supervised repetition and practice enhance skills/proficiencies, This course may be repeated once for credit.

CSIS 3 Research Skills**Units:** 2 **Hours:** 2 Lecture**Advisory:** Eligible for English 250 and 260.**Transferable:** CSU

Research and evaluation skills using the Internet and other electronic resources, as well as traditional printed materials. Also listed as LIB 3. This course has the option of a letter grade or pass/no pass. May be repeated once for credit.

CSIS 5 C++ Scientific Programming**Units:** 3 **Hours:** 2 Lecture, 3 Laboratory**Prerequisite:** Mathematics 1A**Advisory:** Completion of CSIS 10.**Transferable:** CSU; UC; CAN: CSCI 4

An introduction to computer problem solving and programming using the C++ language for science and engineering majors. Students will write programs for a variety of scientific and mathematical applications. This course has the option of a letter grade or pass/no pass.

CSIS 6 Web Page Authoring I**Units:** 2 **Hours:** 2 Lecture**Advisory:** CSIS 1 or CSIS 2 or CSIS 3/LIB 3 advised.**Transferable:** CSU; GAV-GE: E2

An 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 of a letter grade or pass/no pass. May be repeated three times for credit. Also listed as LIB 6 and DM 6.

General Education Requirements, pages 48-49