

**ANTH 3 Introduction to Cultural Anthropology****Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:D1, IGETC:4A; GAV-GE:D2, F; CAN:ANTH4

The comparative study of human societies and cultures. Emphasis is placed on the analysis of small scale non-western societies. Specific topics include: the relationship between culture and power; ideas of progress and the nation-state; immigration, kinship, and identity; race and gender; inequality and structural violence; and cross-cultural analysis of religious, political and economic institutions. This course interrogates the relevance of anthropology for understanding the processes of development and globalization. Exploration of the above through ethno- graphic readings, class discussions, films, short papers and a final research paper based on original fieldwork in a local community. **ADVISORY:** Eligible for English 250 and English 260.

**ANTH 5 Magic / Witchcraft and Religion****Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:D1, IGETC:4A; GAV-GE:D2, F

Explores and analyzes, from a cross-cultural and comparative perspective, religious traditions in diverse cultural contexts with particular focus on the effects of globalization on religious beliefs and practices. Cross- cultural analysis of the concepts of magic, witchcraft, and religion. Examination of connections among the concepts of race, nation, and religion. Exploration of the above through ethnographic readings, class discussions, films, short papers, and a final research paper based on original fieldwork in a local religious or spiritual community. **PREREQUISITE:** Eligible for English 1A.

**ANTH 6 Culture and Politics of Africa****Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:D7, IGETC:4G; GAV-GE:D2, F

Historical and contemporary cultural diversity of Africa emphasizing its social, political and economic structures and symbolic systems. Themes include: colonialism, politics, ethnic identity, religion, gender, race social movements, environment and performance. Examines processes of development and globalization. Case studies of particular societies, chosen to reveal variety, are examined comparatively. **ADVISORY:** Eligible for English 1A.

**ART****ART 1A Art History****Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C1, IGETC:3A; GAV-GE:C1, F; CAN:ART2, ART SEQ A

A critical survey of the influences and development of painting, architecture, sculpture, and minor arts from pre-history to the Byzantine/Romanesque eras, including the art of primitive people. (C-ID: ARTH 110) **ADVISORY:** Eligible for English 250 and English 260.

**ART 1B Art History****Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C1, IGETC:3A; GAV-GE:C1; CAN:ART4, ART SEQ A

The history of western painting, sculpture, architecture and minor arts from the Romanesque, the Gothic and Renaissance eras to the present. **ADVISORY:** Eligible for English 250 and English 260.

**ART 2A Two-Dimensional Design****Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory**Transferable:** CSU, UC; CSU-GE:C1; GAV-GE:C1; CAN:ART14

An introduction to the basic elements and principles of two-dimensional design. Lettering and graphics applications of design are included. Traditional and experimental materials and techniques are applied to a variety of individual projects and exercises. (C-ID: ARTS 100)

**ART 3A Drawing and Composition****Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory**Transferable:** CSU, UC; CSU-GE:C1; GAV-GE:C1; CAN:ART8

A course that can teach you how to draw. Students learn basic drawing skills through the exploration of a variety of drawing materials such as pencil, inks, charcoal and pastels; processes include doodling, gesture and schematic drawing. (C-ID: ARTS 110)

**ART 3B Drawing and Composition****Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Drawing in pencil, ink, pastels and variety of experimental materials and processes. Cultural awareness and historical foundations are integrated with classroom explorations of expressive drawing. Students develop a variety of drawing approaches and a greater understanding of personal expression. This course has the option of a letter grade or pass/no pass. **ADVISORY:** Art 2A or 3A.

**ART 6 Art Appreciation****Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C1, IGETC:3A; GAV-GE:C1, F

An illustrated lecture course that surveys and introduces the visual arts from historical to contemporary times, and teaches students the basic concepts of seeing and appreciating art. **ADVISORY:** English 250 and English 260.

**ART 7A Beginning Ceramics****Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory**Transferable:** CSU; GAV-GE:F

This course is intended for students who have little or no experience in the field of ceramics. The curriculum introduces basic skills in a well-rounded approach. Forming techniques include pinch, coil and slab hand building along with beginning wheel work. Slips, underglazes, stains, and glazing will be introduced as surface treatments. Safe studio protocols will be taught and followed. Use of the internet and library resources are required. Portfolio development and personal assessment are introduced.

**ART 8A Beginning Photography from Analog to Digital****Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory**Transferable:** CSU, UC; CSU-GE:C1; GAV-GE:C1; CAN:ART18

A beginning photography course focused on the technical and historical aspects of photography from analog to digital. This course includes the development of personal artistic expression and visual perception through the use of various photographic medium. The course will include lectures and discussions about composition and content, analog and digital camera use, lighting and exposure, various photographic processes, and photographic presentation techniques. Alternative methods, mixed media and experimental forms of photography will also be discussed. Students will be required to provide their own camera, and film.

**ART 10A Cultural History of Ceramics****Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory**Transferable:** CSU, UC; CSU-GE:C1; GAV-GE:C1, F; CAN:ART6

An introduction to the historical developments and cultural influences of ceramic art. Development of a personal expression is realized through the combination of historical elements, observation and actual creations in clay.

**ART 10B Ceramics****Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Emphasis on development of wheel throwing and advanced ceramic techniques. Glaze testing, clay body development, kiln stacking and firing are introduced. This course has the option of a letter grade or pass/no pass. **ADVISORY:** Art 10A

**ART 11 Creativity / Imagination and Innovation****Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU; CSU-GE:C2; GAV-GE:C2, F

This course is designed to explore the variety of ways in which humans demonstrate their creative, imaginative and innovative abilities. This course will examine the creative process, visual literacy, the development of creative and imaginative performance and theories pertaining to insight, inspiration, intuition, originality and genius. This class draws on materials from a variety of sources including, biographies, intellectual histories, psychological studies, and educational research. Studies will include ideas and beliefs about creativity from a diverse range of disciplines and cultures. Students will be encouraged to explore and express their own creativity. **ADVISORY:** English 250 and English 260.

**ART 12A Sculpture**

**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory  
**Transferable:** CSU, UC; GAV-GE:C1; CAN:ART12

An introduction to expressive and technical sculptural processes of selected media such as clay, plaster and wood. This course has the option of a letter grade or pass no pass.

**ART 12B Sculpture**

**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory  
**Transferable:** CSU, UC; GAV-GE:C1

Continued sculptural development of form and technique using a variety of selected media such as welded and cast metal, ceramics and wood. This course has the option of a letter grade or pass/no pass. **ADVISORY:** Art 12A

**ART 13 Three-Dimensional Design**

**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory  
**Transferable:** CSU, UC; CSU-GE:C1; GAV-GE:C1

A fundamental course focused on the conceptual, technical and historical aspects of three dimensional design and related fields such as: sculpture, architecture and industrial design. Development of personal artistic expression and visual perception through the use of various media such as plaster, paper, wood, clay, metal, etc. Introduction to the design elements and principles as they relate to space and form in visual art and design will be studied. **ADVISORY:** English 250 and English 260.

**ART 14A Introduction to Murals**

**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory  
**Transferable:** CSU, UC; CSU-GE:C1; GAV-GE:C1, F

Studio practice in the design, methods and materials of mural painting through the production of individual and collaborative murals. The course will also provide a historical survey of mural painting, from pre-historic cave painting to contemporary urban murals, with particular focus on the muralists of Mexico. This course has the option of a letter grade or pass/no pass. This course was previously listed as ART 14.

**ART 14B Murals: Organization and Planning**

**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory  
**Transferable:** CSU

This course is intended for students that have completed ART 14, Introduction to Murals. The course builds on the skills and knowledge learned in that course in teaching students how to create and organize a community-based mural project. New elements learned in this course are: creating Memorandum of Understanding (MOU), building a mural project budget that includes supplies, director stipends, mural maintenance and conceptual design fees. Students will also learn how to facilitate small-group mural workshops within a community. **PREREQUISITE:** ART 14

**ART 14C Murals: Direction and Facilitation**

**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory  
**Transferable:** CSU

This course is intended for students that have completed ART 14B, Murals: Organization and Planning. The course builds on the skills and knowledge learned in that course in teaching students how to direct and facilitate a community-based mural project. New elements learned in this course are: creating a timeline for mural projects, working directly with a community to create a mural, organizing and facilitating mural workshops for the community, organizing and facilitating a mural unveiling for a community and applying a protective surface for the mural created. **PREREQUISITE:** ART 14B

**ART 15A Beginning Painting: Form and Composition**

**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory  
**Transferable:** CSU, UC; GAV-GE:C1

This is an introductory painting course. Students will study traditional, contemporary and experimental painting techniques using acrylics and/or oils as the primary media. Emphasis will be placed on foundational concepts and approaches including color, form and composition. This course has the option of a letter grade or pass/no pass. (C-ID: ARTS 210) **ADVISORY:** Art 2A or 3A, or portfolio review of student's work.

**ART 15B Beginning Painting: Imagination and Expression**

**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory  
**Transferable:** CSU, UC; GAV-GE:C1

This is an introductory painting course. Students will study traditional, contemporary and experimental painting techniques and media. Social, cultural and historical awareness are integrated with classroom explorations of expressive painting. Students develop a variety of painting approaches and a greater understanding of personal expression. This course has the option of a letter grade or pass/no pass. **ADVISORY:** Art 2A or Art 3A or Portfolio Review

**ART 21 Ancient Americas: A History through Art**

**Units:** 3.0 **Hours:** 3.0 Lecture  
**Transferable:** CSU, UC; CSU-GE:C1, IGETC:3A; GAV-GE:C2, F

A critical survey of history through the arts of pre-Columbian natives of North, Central and South America. The course will cover major societies and events from the appearance of major civilizations through the initial colonization efforts of European nations. Due to the distinct history of the Americas, this course uses the arts - architecture, sculpture, ceramics and painting, among others - of ancient societies as a primary source material. This course has the option of a letter grade or pass/no pass. This course is also listed as HIST 21. **ADVISORY:** Eligible for English 250.

**ART 25A Art Methods**

**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory  
**Transferable:** CSU; CSU-GE:C1; GAV-GE:C1

Art methods and learning theory for those planning to work with preschool, elementary and secondary school students. Includes art therapy as well as gifted and special learner projects. Two dimensional work in printing, drawing, collage. Also listed as CD 25A.

**ART 25B Art Methods**

**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory  
**Transferable:** CSU; GAV-GE:C1

Art methods, creativity and learning theory for those planning to work with preschool, elementary, and secondary school students. Includes art therapy as well as gifted and special learner projects. Three dimensional work in sculpture, bas relief, mobiles, paper mache', plaster, and various 3-D materials. Also listed as CD 25B.

**ART 34A Life Drawing**

**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory  
**Transferable:** CSU, UC; GAV-GE:C1; CAN:ART24

Fundamentals of anatomy and representation of the human figure. Drawing from life. This course has the option of a letter grade or pass/no pass. **ADVISORY:** Art 3A or review of student's portfolio.

**ART 34B Life Drawing**

**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory  
**Transferable:** CSU, UC; GAV-GE:C1

Further studies of the fundamentals of anatomy and representation of the human figure. Emphasis is placed on personal expression; abstract and experimental processes. This course has the option of a letter grade or pass/no pass. **ADVISORY:** Art 34A or review of student's portfolio.

**ART 40 Art Gallery Assistance**

**Units:** 1.0 **Hours:** 3.0 Laboratory  
**Transferable:** CSU; GAV-GE:C1

Individualized course in art gallery exhibition techniques and procedures. Students assist in design, installation, publicity, cataloguing and removal of exhibitions in the college gallery.

**ART 79 Portfolio Development for Studio Art Majors**

**Units:** 1.0 **Hours:** 1.0 Lecture  
**Transferable:** CSU; GAV-GE:C1

This Portfolio Development course is intended for Studio Art majors. Focus will be placed on the planning and production of personal portfolios and self-promotion materials including cover letters and resumes. Particular emphasis will be placed on self-promotion for jobs, self-employment, or advanced education in the Studio Art field. Students will leave the class with one or more portfolios representing their work. This course has the option of a letter grade or pass/no pass. No college credit for those who have passed DM 79 or CSIS 79.

**ART 98 Special Topics**

**Units:** .5 TO 3.0 **Hours:** .5 TO 3.0 Lecture  
**Transferable:** CSU; GAV-GE:C1

Special topics courses examine current problems or issues of interest to students within a specific discipline area. For topic content information, consult with the appropriate department chairperson. For transfer status, check with a counselor. This course may have the option of a letter grade or pass/no pass.

**ART 190 Occupational Work Experience / Commercial Art**

**Units:** 1.0 TO 4.0 **Hours:** 5.0 TO 20.0 Laboratory  
**Transferable:** CSU; GAV-GE:C1

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.

**Athletics: see Kinesiology**

**ASTRONOMY****ASTR 1 Introduction to General Astronomy**

**Units:** 3.0 **Hours:** 3.0 Lecture  
**Transferable:** CSU, UC; CSU-GE:B1, IGETC:5A; GAV-GE:B1

An introduction to the realm of astronomy and space science. Topics to be covered include the historical development of astronomy, the physics of gravitation and radiation, the solar system, stellar astronomy, galactic and extragalactic astronomy, and cosmology. **ADVISORY:** Mathematics 205 and eligible for English 250 and English 260.

**AVIATION FLIGHT TECHNOLOGY****AFT 134 Aviation Flight Technology**

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

This course includes all aerodynamics, navigation, regulations, airport and airspace requirements, meteorology, and emergency procedures necessary to qualify for a private pilot certificate. **ADVISORY:** Completion of English 250 and English 260.

**AVIATION MAINTENANCE TECHNOLOGY****AMT 100 General Aircraft Technology**

**Units:** 7.5 **Hours:** 5.0 Lecture and 7.5 Laboratory  
**Transferable:** CSU

This course will provide the student with a thorough understanding of the use of basic hand tools and measuring devices, aircraft hardware, materials, and processes, mathematics and physical science for aircraft, aircraft weight and balance, aircraft drawing and blueprint reading. Both theory and practical application to aircraft systems is taught. **ADVISORY:** Mathematics 205

**AMT 101 General Aircraft Technology**

**Units:** 7.5 **Hours:** 5.0 Lecture and 7.5 Laboratory  
**Transferable:** CSU

This course will provide the student with a thorough understanding of the use of maintenance publications, maintenance forms and records with emphasis on A & P Mechanic Privileges and Limitations. Basic electricity for aircraft from Ohm's Law through transistor theory will be taught as well as ground operation and servicing of aircraft. **ADVISORY:** Mathematics 205 Basic hand tools required. Details at the first class meeting.

**AMT 110 Airframe Maintenance Technology**

**Units:** 13.5 **Hours:** 9.0 Lecture and 13.5 Laboratory  
**Transferable:** CSU

Study of aircraft aerodynamics, rigging and assembly, aircraft sheet metal structures and welding technology. Also the study of cabin atmosphere systems, fuel systems, and line maintenance, level information on aircraft instruments. Each of these areas will be accompanied with appropriate laboratory time. Basic hand tools required. Details at the first class meeting.

**AMT 111 Airframe Structures**

**Units:** 13.5 **Hours:** 9.0 Lecture and 13.5 Laboratory  
**Transferable:** CSU

This course will cover aircraft wood, fabric covering, test and repair, aircraft inspection, painting techniques and procedures. Also the study of basic hydraulic systems of anti-skid systems, pneumatic, fixed landing and retractable landing gear systems. Basic aircraft systems familiarization along with advanced laboratory projects from topics covered in AMT 110 are a part of this course. Basic hand tools required. Details at the first meeting.

**AMT 120 Aviation Powerplant Technology**

**Units:** 14.0 **Hours:** 9.0 Lecture and 15.0 Laboratory  
**Transferable:** CSU

This course is part of the curriculum required by the Federal Aviation Administration to obtain certification as an aircraft powerplant maintenance technician. This certificate allows the rated technician to perform maintenance, preventive maintenance repairs and alterations to USA FAA certificated aircraft powerplants. This Section covers the theory and practical application of operation, overhaul practices, inspection, installation, testing and troubleshooting techniques covering the subject areas of reciprocating and turbine engines, ignition, induction, supercharging, cooling and exhaust systems. **ADVISORY:** Successful completion of AMT 101 and AMT 111. Basic hand tools required. Details at the first class meeting.

**AMT 121 Aviation Powerplant Systems Technology**

**Units:** 14.0 **Hours:** 9.0 Lecture and 15.0 Laboratory  
**Transferable:** CSU

The theory of operation, maintenance, repair, and trouble-shooting procedures of powerplant systems and their relationship to the total powerplant package. To include lubrication, electrical, instrument, fuel metering, fire protection, starting, control systems, and the aerodynamics, theory and maintenance of propellers and their control systems. **ADVISORY:** Successful completion of AMT 120. Basic hand tools required. Details at the first class meeting.

**AMT 190 Occupational Work Experience / Aviation**

**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.

**Beauty School: see Cosmetology**

**BIOLOGICAL SCIENCE****BIO 1 Cell and Molecular Biology**

**Units:** 4.0 **Hours:** 3.0 Lecture and 3.0 Laboratory

**Transferable:** CSU, UC; CSU-GE:B2, B3, IGETC:5B, 5C; GAV-GE:B2, B3; CAN:BIOL2, BIOL SEQ A A general biology course with an emphasis on the structure and function of cells, biological molecules, homeostasis, cell respiration, photosynthesis, cell life cycle and its controls, cellular communication, Mendelian and non- classical genetics, evolution and diversity of life. The philosophy of science, methods of scientific inquiry and experimental design are foundational to the course. The course is required for students majoring in biology and/or its subcategories (e.g., plant or animal sciences). **PREREQUISITE:** Biological 10 or Biology 12 or Environmental Science 1 with a grade of 'C' or better and Mathematics 233 with a grade of 'C' or better. **ADVISORY:** Chemistry 30A; eligible for English 250 and English 260.