

MATH 404A-G Self-Paced Basic Math**Units:** 1.0 **Hours:** 1.0 Lecture and .3 Laboratory**Transferable:** No

This course is a remedial, modular, self-paced course. Application and critical thinking skills are developed in each module. Module A covers operations with whole numbers, equivalent fractions, multiplying and dividing fractions. Module B covers adding and subtracting fractions, and operations with decimals. Module C covers ratio and proportion, percent, and units of measurement. Module D reviews fractions, decimals, percentages, and covers operations with integers, and working with variables. Module E covers real numbers, fractions, exponents, scientific notation, and order of operations. Module F covers expressions, polynomials, and equations. Module G covers geometric figures, perimeter and area, surface area and volume, triangles and parallelograms, and similar figures. This course has the option of a letter grade or pass/no pass. This course involves both lecture and hands-on computer assisted software. All sections are open for late registration.

Math 404 A-C is the equivalent of Math 400.

Math 404 D-F is the equivalent of Math 402.

MATH 414 Basic Math Skills**Units:** .5 TO 3.0 **Hours:** 1.5 TO 3.0 Laboratory**Transferable:** No

A remedial mathematics course designed for those students who need to learn, or re-learn, the basic concepts of math. The primary emphasis is on whole numbers, fractions, decimals, percents, and measurements. This course may be repeated three times for credit. This is a pass/no pass course. Units earned in this course do not count toward the associate degree and/or certain certificate requirements.

Medical Terminology: see Business Office Technology (BOT)

MUSIC

MUS 1A Music History and Literature**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C1, IGETC:3A; GAV-GE:C1; CAN:MUS8

A survey of the development of music in western civilization including representative composers from the Medieval to the present. Music 1A will study the music and styles from the Medieval to the Romantic period. ADVISORY: Eligible for English 250 and English 260.

MUS 1B Music History and Literature**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C1, IGETC:3A; GAV-GE:C1

A survey of the development of music in western civilization including representative composers from the Medieval period to the present. Music 1B will study the music and styles from late Romanticism to the present. ADVISORY: Eligible for English 250 and English 260.

MUS 2 History of Jazz and Rock Music**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU; CSU-GE:C1, IGETC:3A; GAV-GE:C1, F

This course covers the introduction and history of jazz and rock music from traditional, ragtime, boogie-woogie, swing, bebop, and cool, to various contemporary jazz, rock and fusion art forms. It includes a study of the forces that have shaped the art from European, African, Latin, and African-American influences. The class explores the contributions and conflicts of African-American influences throughout the history and development of this American music.

MUS 3A Harmony - Theory - Musicianship**Units:** 4.0 **Hours:** 4.0 Lecture and 2.0 Laboratory**Transferable:** CSU, UC; CSU-GE:C1; GAV-GE:C1

Fundamentals of music, beginning harmony. ADVISORY: Must be taken in sequence.

MUS 3B Harmony - Theory - Musicianship**Units:** 4.0 **Hours:** 4.0 Lecture and 2.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Fundamentals of music, beginning harmony. ADVISORY: Must be taken in sequence.

MUS 3C Intermediate Harmony - Theory**Units:** 4.0 **Hours:** 4.0 Lecture and 2.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Continuation of Music 3AB. Chromatic harmony, analysis and composition. ADVISORY: Music 3B

MUS 3D Intermediate Harmony - Theory**Units:** 4.0 **Hours:** 4.0 Lecture and 2.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Continuation of Music 3C. Analysis and composition. ADVISORY: Music 3C

MUS 4A Beginning Piano**Units:** 3.0 **Hours:** 2.0 Lecture and 2.0 Laboratory**Transferable:** CSU, UC; CSU-GE:C1; GAV-GE:C1

Introduction to music fundamentals and keyboard technique. Development of beginning keyboard skills including note reading in bass and treble clef, fingering, rhythm, key signatures, primary chords and inversions. ADVISORY: Must be taken in sequence.

MUS 4B Beginning Piano**Units:** 2.0 **Hours:** 1.0 Lecture and 2.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Continuation of Music 4A. ADVISORY: Music 4A

MUS 5A Intermediate Piano**Units:** 2.0 **Hours:** 1.0 Lecture and 2.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Development of intermediate keyboard skills through means of scales, chords, and technical studies. Continuation of music fundamentals and beginning keyboard harmony; introduction of easier classical and standard piano literature. ADVISORY: Music 4B

MUS 5B Intermediate Piano**Units:** 2.0 **Hours:** 1.0 Lecture and 2.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Development of intermediate keyboard skills through means of scales, chords and technical studies. Continuation of music fundamentals and beginning keyboard harmony; introduction of easier classical and standard piano literature. ADVISORY: Music 5A

MUS 5C Advanced Piano**Units:** 2.0 **Hours:** 1.0 Lecture and 2.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Development of advanced keyboard skills through means of scales, chords and technical studies. Continuation of music fundamentals and keyboard harmony; introduction of moderately difficult classical and standard piano literature. ADVISORY: Music 5B

MUS 5D Advanced Piano**Units:** 2.0 **Hours:** 1.0 Lecture and 2.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Development of advanced keyboard skills through means of scales, chords and technical studies. Continuation of music fundamentals and keyboard harmony; introduction of moderately difficult classical and standard piano literature. ADVISORY: Music 5C

MUS 6 Introduction to World Music**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C1, IGETC:3A; GAV-GE:C1, F

This course explores a broad and diverse survey of different non Western music cultures, helping students develop listening skills to identify, distinguish and appreciate the elements and richness of each culture's music. The course will cover a rich diversity of styles through informed listening, analysis and discernment of musical elements, form and repertoire. Music of various cultures will be explored, for example: India, China, Japan, the Middle East, Indonesia, Africa, Europe and the Americas.

MUS 7 Songwriting and Composition**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU

This course is an introduction to modern song writing techniques. Students will learn to create their own musical compositions. Approaches to contemporary issues in song writing including development of melodic, lyrical, and rhythmic ideas will be studied. In addition, students will learn strategies for promoting their songs in the contemporary music marketplace as well as basic concepts of intellectual property right protection. While recommended, no prior formal musical education is required.

MUS 8A Beginning Voice**Units:** 2.0 **Hours:** 2.0 Lecture and 1.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Development of techniques in the art of singing and interpreting serious music in various styles. Study of the basic techniques of tone production, breathing and related skills. Basic repertoire development. ADVISORY: Continues in sequence or by demonstrated proficiency.

MUS 8B Beginning Voice**Units:** 2.0 **Hours:** 2.0 Lecture and 1.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Development of techniques in the art of singing and interpreting serious music in various styles. Study of the basic techniques of tone production, breathing and related skills. Basic repertoire development. ADVISORY: Music 8A or demonstrated proficiency.

MUS 8C Intermediate Voice**Units:** 2.0 **Hours:** 2.0 Lecture and 1.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Development of techniques in the art of singing and interpreting serious music in various styles. Study of the basic techniques of tone production, breathing and related skills. Basic repertoire development. ADVISORY: Music 8B or demonstrated proficiency.

MUS 8D Intermediate Voice**Units:** 2.0 **Hours:** 2.0 Lecture and 1.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Development of techniques in the art of singing and interpreting serious music in various styles. Study of the basic techniques of tone production, breathing and related skills. Basic repertoire development. ADVISORY: Music 8C or demonstrated proficiency.

MUS 9A Guitar**Units:** 1.0 **Hours:** 3.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

An introduction to playing the guitar. Basic staff notation, correct fingering and chord arpeggios are covered. Emphasis is also placed on developing musical listening skills. Students must provide their own guitars. May be repeated once for credit. ADVISORY: Students must provide their own guitars.

MUS 9B Guitar**Units:** 1.0 **Hours:** 3.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

An introduction to playing the guitar. Basic staff notation, correct fingering and chord arpeggios are covered. Emphasis is also placed on developing musical listening skills. Students must provide their own guitars. May be repeated once for credit. ADVISORY: Music 9A; students must provide their own guitars.

MUS 12 Vocal Ensemble**Units:** 2.0 **Hours:** 1.0 Lecture and 3.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

The day Vocal Ensemble will focus on individual and group performance of popular and alternative commercial music, and will rehearse and perform with a backup band. The evening Vocal Ensemble will study, rehearse and perform choral music in a broad spectrum of musical genre and styles. Included will be the study of vocal and rehearsal techniques as they relate to ensemble performance. Course may be repeated three times for credit.

MUS 13 Concert Choir**Units:** 2.0 **Hours:** 1.0 Lecture and 3.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

The Concert Choir will study, rehearse and perform choral music from the 15th century to the present in a variety of musical styles with emphasis on the larger choral works and their preparation for public concert. Course may be repeated three times for credit. ADVISORY: Previous choral experience is preferred but not required. The student should have the ability to match a given pitch.

MUS 14A Instrumental Ensemble**Units:** 2.0 **Hours:** 1.0 Lecture and 3.0 Laboratory**Transferable:** CSU; GAV-GE:C1

Instruction for the experienced musician with emphasis on the study and performance of a wide variety of musical styles from Renaissance to 20th century music for traditional ensembles, and extensive consideration of contemporary commercial and alternative repertoire, and performance techniques for popular ensembles.

MUS 14B Instrumental Ensemble**Units:** 2.0 **Hours:** 1.0 Lecture and 3.0 Laboratory**Transferable:** CSU; GAV-GE:C1

Instruction for the experienced musician with emphasis on the study and performance of a wide variety of musical styles from Renaissance to 20th century music for traditional ensembles, and extensive consideration of contemporary commercial and alternative repertoire, and performance techniques for popular ensembles.

MUS 14C Instrumental Ensemble**Units:** 2.0 **Hours:** 1.0 Lecture and 3.0 Laboratory**Transferable:** CSU; GAV-GE:C1

Instruction for the experienced musician with emphasis on the study and performance of a wide variety of musical styles from Renaissance to 20th century music for traditional ensembles, and extensive consideration of contemporary commercial and alternative repertoire, and performance techniques for popular ensembles.

MUS 14D Instrumental Ensemble**Units:** 2.0 **Hours:** 1.0 Lecture and 3.0 Laboratory**Transferable:** CSU; GAV-GE:C1

Instruction for the experienced musician with emphasis on the study and performance of a wide variety of musical styles from Renaissance to 20th century music for traditional ensembles, and extensive consideration of contemporary commercial and alternative repertoire, and performance techniques for popular ensembles.

MUS 16A Introduction to Audio Recording Techniques**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU

Survey of basic audio recording techniques and materials including acoustics, signal flow, block diagrams, cue systems, punch-ins, microphones and mic placement, frequency response, reverb, delay and outboard effects, stereo mixing, pre-mixing and actual recording. May be repeated once for credit.

MUS 20 Basic Music Education**Units:** 1.0 **Hours:** 1.0 Lecture**Transferable:** CSU;

A basic course in music education based on the principles of the Kodaly and Orff Methods. Classes will include lecture, development of individual musical and teaching skills, familiarity with instructional materials, and knowledge of folk music from around the world. ADVISORY: Eligible for English 250 and 260.

MUS 21 Electronic Music/Sound Design**Units:** 3.0 **Hours:** 2.0 Lecture and 3.0 Laboratory**Transferable:** CSU; GAV-GE:C1

Fundamentals of electronic music synthesis using computers. Midi sequencing, digital sound processing, sampling, digital multi-track recording utilizing the college's state of the art midi studio. May be repeated three times for credit. ADVISORY: Eligible for English 250, 260 and Mathematics 205.

MUS 26 Symphony**Units:** 2.0 **Hours:** 1.0 Lecture and 3.0 Laboratory**Transferable:** CSU, UC; GAV-GE:C1

Study and performance of orchestral literature. Individual and sectional skills development. Perform in public concerts each semester. May be repeated until a maximum of 8 units are accrued. ADVISORY: Demonstrated proficiency on individual's instrument and ability to read music.

MUS 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 topical content information, consult with appropriate department chairperson. For transfer status, check with a counselor. This course may have the option of a letter grade or pass/no pass.

MUS 190 Occupational Work Experience/Commercial Music**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.

Nursing: see Allied Health**Nutrition: see Biological Sciences****Performing Arts: see Mass Communications & Television, or Theatre Arts (THEA)****PHILOSOPHY****PHIL 1 Introduction to Philosophy****Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2; CAN:PHIL2

Philosophy 1 is intended as a survey of the major areas and traditions of philosophy. The course examines central and significant questions about the meaning of life, who determines what is morally right or wrong, the ideal society, the various notions social justice, what is reality, and many other ideas. In pursuing these questions, students will be asked to read texts from writers around the world, both contemporary and ancient, discuss current events, and apply 'theory' to movies such as "The Matrix" trilogy, novels, and any other relevant application of the student's own choice. ADVISORY: Eligible for English 1A.

PHIL 2 Logic**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:A3; GAV-GE:C2; CAN:PHIL6

Philosophy 2, Introduction to Logic, is intended as a survey of the primary approaches to argumentation and what has been traditionally called 'correct' reasoning. Learners will learn techniques of both deductive and inductive argumentation, how to spot a fallacy, as well as how to apply these techniques to other aspects of their lives outside the classroom. While logic is often quite formal, the goal is to see the practical application of this discipline. Additionally, learners will become acquainted with the cultural variations to reasoning in addition to the standard Western focal approach ADVISORY: Eligible for English 1A.

PHIL 3A Ethics**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2; CAN:PHIL4

Philosophy 3 is intended as a survey of the major areas and traditions of ethical and moral theories. The course examines central and significant questions about who determines what is morally right or wrong, the ideal society, the various notions social justice, moral agency and action in our lives and community, as well as many other topics. In pursuing these questions, students will be asked to read texts from writers around the world, both contemporary and ancient, discuss current events, and apply 'theory' to movies, novels, and any other relevant application of the student's own choice. ADVISORY: Eligible for English 1A.

PHIL 3B Contemporary Moral Issues**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2, E2

Contemporary Moral Issues in an applied ethics class that covers major ethical theories and contemporary moral issues in a pluralistic manner. This course will cover such issues as abortion and euthanasia, cloning, experimentation on human subjects, capital punishment, race/ethnicity, sexual orientation and sexual morality, world hunger and poverty, colonialism and post-colonialism, and so forth. ADVISORY: Eligible for English 1A.

PHIL 4 Critical Thinking and Writing**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:A3, IGETC:1B; GAV-GE:C2

This course is designed to introduce the relationship between critical thinking and critical writing in a way that will be both enjoyable to the student and helpful in other aspects of life. The student will learn techniques of critical thinking, playing close attention to the current events, movies and popular media, music lyrics, as well as the textbook. Students will learn to identify deductive and inductive arguments and be able to evaluate their strength, create a strong argument of their own on a given topic, as well become experts in the area of critical analysis. The goal is to enable students to become strong, well informed, articulate members of the community as well as individuals with an empowered sense of self as an agent of change. PREREQUISITE: English 1A

PARALEGAL STUDIES**PL 110 Introduction to Paralegalism****Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU

This course will provide a general overview of the legal system with emphasis on the procedural duties of the paralegal within that system. The course will specifically address such areas as legal research, legal writing and law office administration, as well as provide overview of several substantive areas of law. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 1A.