

MATH 404G Self-Paced Basic Math**Units:** 1 **Hours:** 1 Lecture, .3 Laboratory**Transferable:** No

This course is a remedial, modular, self-paced course. Applications 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.

MATH 414 Basic Math Skills**Units:** .5-3 **Hours:** 9 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

MUSIC

MUS 1A Music History and Literature**Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU; UC; CSU-GE: C1; IGETC: 3A; GAV-GE: C1; CAN: MUS 8

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.

MUS 1B Music History and Literature**Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260.**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.

MUS 3A Harmony - Theory - Musicianship**Units:** 4 **Hours:** 4 Lecture, 2 Laboratory**Advisory:** Must be taken in sequence.**Transferable:** CSU; UC; CSU-GE: C1; GAV-GE: C1

Fundamentals of music, beginning harmony.

MUS 3B Harmony - Theory - Musicianship**Units:** 4 **Hours:** 4 Lecture, 2 Laboratory**Advisory:** Must be taken in sequence.**Transferable:** CSU; UC; GAV-GE: C1

Fundamentals of music, beginning harmony.

MUS 3C Intermediate Harmony - Theory**Units:** 4 **Hours:** 4 Lecture, 2 Laboratory**Advisory:** Music 3B**Transferable:** CSU; UC; GAV-GE: C1

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

MUS 3D Intermediate Harmony - Theory**Units:** 4 **Hours:** 4 Lecture, 2 Laboratory**Advisory:** Music 3C**Transferable:** CSU; UC; GAV-GE: C1

Continuation of Music 3C. Analysis and composition.

MUS 4A Beginning Piano**Units:** 3 **Hours:** 2 Lecture, 2 Laboratory**Advisory:** Must be taken in sequence.**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.

MUS 4B Beginning Piano**Units:** 2 **Hours:** 1 Lecture, 2 Laboratory**Advisory:** Music 4A**Transferable:** CSU; UC; GAV-GE: C1

Continuation of Music 4A.

MUS 5A Intermediate Piano**Units:** 2 **Hours:** 1 Lecture, 2 Laboratory**Advisory:** Music 4B**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.

MUS 5B Intermediate Piano**Units:** 2 **Hours:** 1 Lecture, 2 Laboratory**Advisory:** Music 5A**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.

MUS 5C Advanced Piano**Units:** 2 **Hours:** 1 Lecture, 2 Laboratory**Advisory:** Music 5B**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.

MUS 5D Advanced Piano**Units:** 2 **Hours:** 1 Lecture, 2 Laboratory**Advisory:** Music 5C**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.

MUS 8A Beginning Voice**Units:** 2 **Hours:** 2 Lecture, 1 Laboratory**Advisory:** Continues in sequence or by demonstrated proficiency.**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.

MUS 8B Beginning Voice**Units:** 2 **Hours:** 2 Lecture, 1 Laboratory**Advisory:** Music 8A or demonstrated proficiency.**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.

MUS 8C Intermediate Voice**Units:** 2 **Hours:** 2 Lecture, 1 Laboratory**Advisory:** Music 8B or demonstrated proficiency.**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.

MUS 8D Intermediate Voice**Units:** 2 **Hours:** 2 Lecture, 1 Laboratory**Advisory:** Music 8C or demonstrated proficiency.**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.

MUS 9A Guitar**Units:** 1 **Hours:** 3 Laboratory**Advisory:** Students must provide their own guitars.**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.

MUS 9B Guitar**Units:** 1 **Hours:** 3 Laboratory**Advisory:** Music 9A; students must provide their own guitars.**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.

MUS 12 Vocal Ensemble**Units:** 2 **Hours:** 1 Lecture, 3 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 **Hours:** 1 Lecture, 3 Laboratory**Advisory:** Previous choral experience is preferred but not required. The student should have the ability to match a given pitch.**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.

MUS 14A Instrumental Ensemble**Units:** 2 **Hours:** 1 Lecture, 3 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 **Hours:** 1 Lecture, 3 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 **Hours:** 1 Lecture, 3 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 **Hours:** 1 Lecture, 3 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 19 College Singers**Units:** 2.5 **Hours:** 1 Lecture, 4.5 Laboratory**Advisory:** Previous choral experience is preferred but not required. The student should have the ability to match a given pitch.**Transferable:** CSU; UC; GAV-GE: C1

The Gavilan College Singers 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 21 Electronic Music/Sound Design**Units:** 3 **Hours:** 2 Lecture, 3 Laboratory**Advisory:** Eligible for English 250, 260 and Mathematics 205.**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.

MUS 26 Symphony**Units:** 2 **Hours:** 1 Lecture, 3 Laboratory**Advisory:** Demonstrated proficiency on individual's instrument and ability to read music.**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.

MUS 28 Jazz/Pop Piano**Units:** 2 **Hours:** 1 Lecture, 3 Laboratory**Advisory:** Music 4A or the equivalent.**Transferable:** CSU; UC; GAV-GE: C1

Introduction to jazz and popular piano: Chord symbols, chord voicings, improvisation, arrangements in blues, jazz, and other popular music styles. May be repeated three times for credit.

MUS 190 Occupational Work Experience/Commercial Music**Units:** 1-4 **Hours:** 12 Laboratory**Required:** Enrollment in a minimum of 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.

Nursing: see Allied Health**Nutrition: see Biological Sciences****Performing Arts: see Theatre Arts (THEA)****PHILOSOPHY****PHIL 1 Introduction to Philosophy****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 1A.**Transferable:** CSU; UC; CSU-GE: C2; IGETC: 3B; GAV-GE: C2; CAN: PHIL 2

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.

PHIL 2 Logic**Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 1A.**Transferable:** CSU; UC; CSU-GE: A3; GAV-GE: C2; CAN: PHIL 6

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

PHIL 3A Ethics**Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 1A.**Transferable:** CSU; UC; CSU-GE: C2; IGETC: 3B; GAV-GE: C2; CAN: PHIL 4

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.

PHIL 3B Contemporary Moral Issues**Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 1A.**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.

PHIL 4 Critical Thinking and Writing**Units:** 3 **Hours:** 3 Lecture**Prerequisite:** English 1A**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, paying 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.

PHIL 6A Comparative Religions**Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 1A.**Transferable:** CSU; UC; CSU-GE: C2; IGETC: 3B; GAV-GE: C2, F

Religion is a topic that ignites controversy -- most societies engage in religious practices, believe strongly in that tradition, and find a sense of identity within it. The controversy arises when differences are misunderstood, misrepresented, or placed in a hierarchy of assumed supremacy of one religion as superior to others. In this class, students explore the underlying commonality of various religious traditions, explore the uniqueness of the religions with which they are unfamiliar, and learn to see that diversity among beliefs doesn't have to create hostility. Students will explore religions from Indigenous Peoples throughout the world, East Asia (e.g. India), China, the Middle East, as well as some more recent trends in religion.

PHIL 6B Philosophy of Religions**Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 1A.**Transferable:** CSU; UC; CSU-GE: C2; IGETC: 3B; GAV-GE: C2, E2

A reflective examination and analysis of the meanings and beliefs involved in religion and the religious experience. Introductory study of such topics as the nature and grounds of religious belief, relation between religion and ethics, nature and existence of god, problem of evil, and what can be learned from the religious experience. Additionally, the student will discuss the impact of religion on society, social norms, and the political impact of religion.