

MULTIMEDIA TECHNOLOGY

Arts and Humanities Division

The Division of Arts and Humanities encourages students to register for multimedia courses in order to develop appreciation of, and skills in, these classes. Some of the courses are required in career programs; others are designed for students' interests and personal development. Consultation with counselors will help determine specific needs.

MM-H101 Introduction To Multimedia 3 cr.
Prerequisite: CSA*H105 or equivalent experience. This course is an introduction and overview of multimedia. The basic elements, components and skills required for multimedia production will be defined and explored. Topics include: applications of multimedia, configuring a multimedia system, digital media design, emerging technologies, multimedia computer hardware and software, multimedia components, multimedia development, multimedia standards, presentation software, and Web page design.

MM-H104 Multimedia Authoring I 3 cr.
Prerequisite: MM-H101. Multimedia Authoring I is an introduction to the planning, development and management of multimedia software projects, Interaction Design, and algorithm analysis. Topics include: multimedia and instructional design, multimedia and interaction design, multimedia and the WWW, arrays, functions and methods, events and event handlers, objects, logic structures, repetition structures, programming and scripting languages, and variables.

MM-H106 Electronic Publishing 3 cr.
Prerequisites: MM-H101, ENG*H101. Electronic publishing employs fundamental visual design principles to explore emerging technologies used to design and develop interactive electronic documents including multimedia databases, multimedia e-books, applications for hand-held devices, and other technologies. Topics include: elements of design, principles of design, electronic delivery engines, JavaScript and XML programming, and designing PDF documents.

MM-H108 Digital Imaging I 3 cr.
Prerequisite: MM-H101. Digital Imaging provides an in-depth study of digital image files and their uses in the realm of digital graphics, imaging and video. Topics will include: alpha channels, composition and lighting, color theory, data compression, filters, raster graphics, vector graphics, gradients, layering, screen resolution and bit depth, and video display formats.

MM-H110 Digital Video Production I 3 cr.
Prerequisite: MM-H101. Digital Video Production I is an introduction to the three phases of video production: pre-production, production, post-production. Students will script, storyboard, shoot, and edit an original short film. Topics include: alpha channels, aspect ratio, audio production, broadcast standards, computer monitors vs. video monitors, camera techniques, composition, compositing, compression, lighting, rolling credits, transitions, titles, and project management.

MM-H116 Digital Media Production 3 cr.
Prerequisite: MM-H104. Interactive Media Design is a practical and theoretical approach to the development and application of interactive digital media for desktop, portable devices, and Web-based applications. Learners will utilize the latest technologies to design, develop and present interactive digital media content. Topics include: principles of Interaction Design, Human-Computer Interaction, intermediate JavaScript and XML programming, and developing interactive PDF documents.

MM-H205 Multimedia Authoring II 3 cr.
Prerequisite: MM-H104. Multimedia Authoring II is an intermediate-level course in the application of advanced project development tools used in the creation of interactive multimedia for broadcast, entertainment and Web industries. Student will learn and apply techniques used to create interactive multimedia for broadcast, electronic games, and WWW applications. Topics include: algorithm analysis, animation, Interaction Design and interactivity, introduction to Human-Computer Interaction, keyframe and tweening, objects and events, Lingo scripting, timeline-based authoring, and Shockwave.

MM-H212 3D Graphics & Animation I 3 cr.
Prerequisite: MM-H108. The 3D Graphics & Animation I course is an introduction to the design and application of digital character modeling and animation. Students will learn to design 3D modeled entities and worlds and examine and apply fundamental 2D and 3D graphics algorithms. Topics include: animation, camera and rendering, extrusions, lighting, modeling, polygons and primitives, surfaces, terrain, texture maps, transforms, and vectors.

MM-H215 Multimedia Web Authoring 3 cr.
Prerequisite: MM-H205. Multimedia Web Authoring utilizes the latest software technologies and methodologies to develop and deliver complete interactive multimedia software systems for Web-based applications. Topics include: advanced algorithm analysis, complex problems in Human-Computer Interaction, and advanced JavaScript and Action Script programming.

MUSIC

Arts and Humanities Division

The Division of Arts and Humanities encourages students to register for music courses in order to develop appreciation of, and skills in, the musical arts. Some of the courses are required in career programs; others are designed for students' interests and personal development. Consultation with counselors will help determine specific needs.

MUS*H101 Music History & Appreciation I 3 cr.
(formerly MUS-H101)
 The course surveys historically significant music from the medieval period to the 20th century, emphasizing stylistic characteristics found in great music, art, and architecture.

MUS*H103 History of American Music 3 cr.
(formerly MUS-H112)
 The history and music of American colonial times to the present. Historical and cultural developments are examined as well as folk music, maritime music, church music, pop music, jazz music, and concert music.

MUS*H104 World Music 3 cr.
 In World Music we will study a variety of ethnic music from around the world. While our primary focus will be limited to certain selected regions and traditions, our overall scope will be broad in that these regions represent many different continents: North America, South America, Africa, Asia, and Europe. Because we will be studying music within the context of the societies that create it, our approach to the course material is interdisciplinary as we will be incorporating aspects of the arts, humanities and social sciences.

MUS*H111 Fundamentals of Music I 3 cr.
(formerly MUS-H100)
 A beginning study of notation and forms that musicians use to arrange, compose and perform music. Topics include musical instruments, clefs, key signatures, time signatures, scales, musical styles and forms.

MUS*H115 Music Theory I 3 cr.
(formerly MUS-H114)
 A study of melodic writing leading to four-part diatonic harmony. Topics include four-part writing, non-chord tones, cadences, and seventh chords. Music analysis, reading, and aural skills are reinforced together with the Theoretical material presented.

MUS*H116 Music Theory II 3 cr.
(formerly MUS-H115)
Prerequisite: Grade of "C" or better in MUS*H115 or Permission of Instructor. A continuation of MUS*H115 with a study of secondary functions, modulation, form and counterpoint. Music analysis, reading, and aural skills are developed together with the theoretical material presented.

MUS*H126 20th Century/ Modern Music 3 cr.
(formerly MUS-H203)
 An historical survey of concert, symphonic and theater music of the 20th century. Styles such as Impressionism, Expressionism, Serialism, Neo-Classicism, Avant-garde, Musique Concrete, Minimalism, Jazz, and Rock will be explored.

MUS*H131 Music of the Theatre
(formerly MUS-H116) 3 cr.
This course provides a study of opera, ballet, the Broadway musical, and other types of music for the theater.

MUS*H137 History and Appreciation of Jazz
(formerly MUS-H113) 3 cr.
This course covers musical terminology, familiarization with musical instruments, keys, basic chords and scales, form and structure of musical composition, and improvisation. The selections and examples are taken from jazz, rather than classical music. The course includes the history and appreciation of jazz, a study of major jazz artists, and an analysis of the cultural and social significance of jazz.

MUS-H154 Class Instruction in Beginning Piano
(formerly MUS-H105) 1 cr.
This course is a study in basic keyboard techniques and sight reading. It requires one class period a week with daily practice. The course may be repeated for credit.

MUS*H155 Class Guitar
(formerly MUS-H106) 1 cr.
This course provides a study of basic folk guitar chords and picking techniques. Emphasis is on singing with the guitar. This course may be repeated for credit.

MUS*H157 Jazz Ensemble
(formerly MUS-H3505) 1 cr.
Students and community members will perform in a small instrumental group jazz and contemporary charts from the Big Band Era to Fusion Rock. Instruments featured are percussion, bass, key board, guitar, saxophone, trumpet, and trombone. The course is open to all students with the consent of the instructor, and may be repeated for credit.

MUS*H161 Chorale I
(formerly MUS-H3510) 2 cr.
Performance of choral repertoire from all stylistic periods is studied. Performances occur at the College and in the community. The course is open to all students as well as members of the community, and may be repeated for credit with the consent of the instructor.

MUS*H173 Class Voice
(formerly MUS-H104) 1 cr.
Principles of voice placement and development, breathing, diction and production are practiced. Solo and duet repertoire are explored. This is designed as a beginner class for students with little or no experience. The course may be repeated for credit.

MUS*H174 Madrigal/Chamber Singer I
(formerly MUS-H3502) 1 cr.
Students perform as small ensemble of chamber singers. Performances occur at the College and in the community. The course is open to all students with the consent of the instructor, and may be repeated for credit.

MUS*H176 Gospel Singers
Students perform as a small ensemble of gospel singers. Performances occur at the college and in the community. The course is open to all students as well as members of the community.

MUS*H177 Jazz Singers
(formerly MUS-H3501) 1 cr.
Students perform as a small ensemble. Performances occur at the College and within the community. The course is open to all students with the consent of the instructor, and may be repeated for credit.

MUS*H183 Applied Private Music Lessons I
(formerly MUS-H199) 1 cr.

MUS*H184 Applied Private Music Lessons II
(formerly MUS-H299) 2 cr.
These courses provide for private vocal or instrumental lessons. Fees for lessons are in addition to regular tuition and arranged between student and the teacher, who must be approved by the Music Director. Applied lessons are intended for students with some musical experience or background.

MUS*H215 Eartraining I 3 cr.
The goal of Eartraining I is to acquire the skills necessary to make you an intelligent and competent musician. This course will focus on three major areas; sight singing, rhythmic reading, and dictation. This course is considered to be an aural lab component of Theory I and is an important course for those wishing to improve their pitch accuracy for the Chorus audition or Voice Lessons.

MUS*H216 Eartraining II 3 cr.
The goal of Eartraining II is to continue the work done in Eartraining I providing students with advanced training in pitch and rhythm, perception and sightreading. It is considered to be an aural lab component of Theory II courses and is an important course for those wishing to improve their pitch accuracy for Chorus or Voice lessons. Prerequisite: Eartraining I or permission of instructor.

MUS*H218 Electronic Music Composition/Audio Technology I
(formerly MUS-H120) 3 cr.
*Prerequisite CSA*H105 and permission of instructor:* This course is an introduction to the art and techniques of electronic music and audio production. The history, elements, and tools of electronic music and audio will be defined and explored. Topics will include: acoustics theory, analog and digital audio principles, recording engineering techniques, sound sampling, electronic synthesis, MIDI, and audio for multimedia and the World Wide Web.

MUS*H256 Orchestra
(formerly MUS-H3511) 2 cr.
Performance of orchestral repertoire from all stylistic periods is studied. This ensemble will perform at the College and in the community. The course is open to all students with the consent of the instructor and may be repeated for credit.

MUS*H257 Chamber Orchestra
(formerly MUS-H3504) 1 cr.
Students perform as small ensemble chamber orchestra. Performances occur at the College and in the community. The course is open to all students with the consent of the instructor, and may be repeated for credit.

MUS*H296 Cooperative Work Experience Music
(formerly MUS-H290) 3 cr.
Prerequisite: 12 music credits and permission of the Department Chairperson. This elective course is designed to provide supervised practical experience in approved Music work settings. It consists of:
1. A two hour Professional Development Workshop
2. A minimum 225-hour Cooperative Work Experience
3. A weekly one-hour Co-op Seminar.

NURSING

Allied Health/Nursing/Physical Education Division

NSG*H101 Fundamentals of Nursing
(formerly NURS-H101) 6 cr.
(6.5 hrs. clinical practice)

Prerequisites: Admission to the College and Program in Nursing. Knowledge, skills, and concepts which are basic to the care of all patients are developed. Emphasis is placed on maintenance of health and well-being. The social, cultural, psychological, economic and educational attitudes which affect health are introduced. The college laboratory and community hospitals are utilized in the application of knowledge and skills.

NSG*H102 Concepts of Family Care
(formerly NURS-H102) 6 cr.
(6.5 hrs. clinical practice)

*Prerequisites: ENG*H101, PSY*H111. "C" grade or better in NSG*H101; "Satisfactory" in Clinical Practice.* This course expands on the concepts and skills presented in NSG*H101 with emphasis on the nurse's role in the care of childbearing families and clients experiencing illness. Section A focuses on high-level wellness and nursing interventions that facilitate adaptation to changing roles within