

MUM: MUSIC-COMMERCIAL

| Courses | Credit(s) | Contact | Lab |
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| MUM 1002C. FUNDAMENTALS OF SOUND. FUNDAMENTALS OF SOUND An introduction to the fundamental principles of Sound and Acoustics, basic audio equipment, signal flow, microphones, basic sound processing, and principles of sound reinforcement. This course introduces a qualitative introduction to the basic mathematics and physics of sound, including electrical principles. (Special Fee: \$130.00). | 3 | 1 | 4 |
| MUM 1003. DIGITAL AUDIO WORKSTATION FOR PROJECT & HOME STUDIO. DIGITAL AUDIO WORKSTATION FOR PROJECT & HOME STUDIO Corequisite: MUM 1674C An introduction leading Audio and Music Production/Editing software, Including MIDI sequencing. This course may lead to a software certification. | 1 | 0 | 3 |
| MUM 1620. PSYCHOACOUSTICS & CRITICAL LISTENING SKILLS. PSYCHOACOUSTICS & CRITICAL LISTENING SKILLS Prerequisite: Minimum grade of C in MUT 1011C or in MUT 1111 An introduction to fundamental concepts of Psychoacoustics with emphasis on developing critical listening skills. (Special Fee: \$130.00). | 1 | 0 | 2 |
| MUM 1646C. DIALOGUE EDITING AND VOICE PROCESSING. DIALOGUE EDITING AND VOICE PROCESSING Prerequisite: Minimum grade of C in MUM 2634L or in MUM 2630C or in MUM 1003L This course introduces students to the techniques used to extract, edit, and manipulate dialogue for Film, TV and Video Games, VR, and other multimedia productions, as well as voice for radio, voice-overs and narration. The course covers recovery and processing of dialogue from production sources including location sound, dialogue synchronization, the use of "WALLA" and foreign languages, and ADR. (Special Fee: \$130.00). | 2 | 1 | 2 |
| MUM 1648C. FOLEY AND SOUND DESIGN. FOLEY AND SOUND DESIGN Prerequisite: Minimum grade of C in MUM 2634L or in MUM 2630C or in MUM 1003L, or Department Approval Students learn to prepare surfaces and simulate specific types of shoes to record footsteps synchronized with picture, select and place the proper microphone(s) for specific situation, and to manipulate metals, wood, glass, rocks, fabrics, everyday items such as jars, gears, balls, and to use vegetables and produce to record sound effects synchronized to moving picture segments. (Special Fee: \$130.00). | 1 | 0 | 2 |
| MUM 1660L. LOCATION SOUND. LOCATION SOUND A practical introduction to professional sound recording on location for film, television, Electronic News Gathering, and other visual media applications, including Surround Sound field-recording for documentaries. (Special Fee: \$130.00). | 1 | 3 | 3 |
| MUM 1662C. LIVE SOUND TECHNIQUES. LIVE SOUND TECHNIQUES Prerequisite: SLS 1122 or TPA 1380, and minimum grade of C in MUM 1002C or TPA 2260C This course reviews the theory and practices of sound reinforcement for the entertainment industry. It covers audio equipment, sound systems, and sound reinforcement for live events with a hands-on project-focused approach. This course may require students to push carts, to lift and carry equipment weighing up to 50 pounds, to climb ladders and work at height, and to work in confined places by bending, stooping, or kneeling. As needed, students may engage in the College's process to determine reasonable accommodations for a disability by contacting the Office for Students with Disabilities valenciacollege.edu/OSD. (Special Fee: \$130.00). | 3 | 2 | 2 |
| MUM 1674C. PROJECT & HOME STUDIO I. PROJECT & HOME STUDIO I Prerequisites: Minimum grade of C in MUM 1002C, MUM 2623C, and MUM 2634L or MUM 1003L, and in TPA 1380 or SLS 1122 Corequisites: MUM 2623C and MUM 2634L or MUM 1003L Online delivery-only course that covers the design, set up and operation of an audio recording and production and mixing studio in a small environment. This course covers space considerations, electrical requirements and acoustic treatment options, computer requirements including processor speed, memory requirements, data storage devices and monitor selection/placement. MIDI keyboard types and compatibility, mixer selection and setup, cable selection and care, microphone design, and A/D-D/A interface options. Software programs and compatibility issues. NOTE: This course has a minimum technology requirement that students need to own or to have access too. Students are encourage to request the list of requirements before enrolling for the course. | 3 | 3 | 1 |
| MUM 1675C. PROJECT & HOME STUDIO TECHNIQUES II. PROJECT & HOME STUDIO TECHNIQUES II Prerequisites: Minimum grade of C in MUM 1674C and MUM 1620L, and in MUM 2634L or MUM 1003L Corequisite: MUM 1620L Online delivery only course that covers the techniques used in Project and Home studios for producing, recording, processing and mixing sound for a variety of applications, including Music, Videogames, Podcasting, Sound for Video streaming, audiobooks and other Sound projects. | 3 | 2 | 2 |
| MUM 1676C. PROJECT & HOME STUDIO III - CAPSTONE. PROJECT & HOME STUDIO III - CAPSTONE Prerequisite: MUM 1675C In this course, students use solid principles of Sound Technology, Entrepreneurship and general Business to create and implement a plan to launch a Project/Home studio enterprise. | 1 | 1 | 1 |
| MUM 2601L. SOUND RECORDING LAB I. SOUND RECORDING LAB I Prerequisite: Minimum grade of C in MUM 1002C Corequisite: MUM 2661C Sound Recording 1 This course focuses on hands-on application of Sound Recording techniques through lab activities, as well as through participation as an assistant recording engineer in recording sessions, both live, and in the studio. (This course requires an average of five hours outside of the scheduled class time, working on recording sessions each week). (Special Fee: \$130.00). | 1 | 0 | 5 |
| MUM 2602L. SOUND RECORDING LAB II. SOUND RECORDING LAB II Prerequisites: Minimum grade of C in MUM 2661C and in MUM 2601L Corequisite: MUM 2666C This course focuses on hands-on application of Sound Recording technology through lab activities as well as participation as a recording engineer in recording sessions, both live as in the studio. (This course requires an average of five hours outside of the scheduled class time working on recordings each week). (Special Fee: \$130.00). | 1 | 0 | 5 |

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| MUM 2623C. MIDI ELECTRONIC MUSIC I. | 3 | 2 | 4 | MUM 2661C. SOUND RECORDING I. | 3 | 1 | 4 |
| MIDI ELECTRONIC MUSIC I Prerequisites: Minimum grade of C in MUT 1011C or MUT 1111 This course provides an introduction to MIDI production and sequencing using computers and digital audio workstations, including musical composition and arranging techniques. This course includes learning activities designed to ensure competence in the basic use of computers, file management, among others. (Special Fee: \$130.00). | | | | SOUND RECORDING I Prerequisites: Minimum grade of C in MUM 1002C or departmental approval. Corequisites: MUM 2634C and MUM 2601L This course is designed to develop recording skills through a hands-on, project oriented curriculum and in-depth classroom studies in modern recording practices. Focuses on studio recording techniques on analog and digital equipment, large format console signal flow, microphone theory, microphone selection, cue (headphone) mix, principles of audio over IP, dynamic and spectral processing while recording, studio procedures, standards, and etiquette. | | | |
| MUM 2624C. MIDI AND ELECTRONIC MUSIC II. | 3 | 2 | 4 | MUM 2666C. SOUND RECORDING II. | 3 | 1 | 4 |
| MIDI AND ELECTRONIC MUSIC II Prerequisite: Minimum grade of C MUM 2623C. This course is designed to provide students further practical study in MIDI with particular focus on sound design, software synthesizers, creating sampler instruments, as well as additional techniques in MIDI sequencing, editing, composition and arranging, plus a broad view of electronic music and its history. | | | | SOUND RECORDING II Prerequisites: Minimum grades of C in MUM 2601L, MUM 2661C and MUM 2634L Corequisite: MUM 2602L This course explores advanced recording studio techniques, studio calibration, and mixing techniques using split and in-line consoles, in mono, 2-channel stereo, and multi-channel surround sound in different configurations. | | | |
| MUM 2630C. SOUND FOR MEDIA. | 3 | 2 | 2 | MUM 2670C. AVID PRO TOOLS 101/110 FUNDAMENTALS. | 3 | 1 | 4 |
| SOUND FOR MEDIA An introduction to the principles of sound integration and mixing, with an emphasis on media applications. Students will work on practical projects that will familiarize them with the basic hardware and software used in professional settings. (Special Fee: \$130.00). | | | | AVID PRO TOOLS 101/110 FUNDAMENTALS This course is the first in a sequence of a courses preparing the student for the different levels of software certifications in Avid Pro Tools software, with the Certification Exams administered by Avid. This course is the introductory to intermediate sequence for Avid Pro Tools LE software and hardware. The student will be eligible to take the Pro Tools 101 and Pro Tools 110 exams at the culmination of this course. (Special Fee: \$130.00). | | | |
| MUM 2632C. AUDIO SYSTEMS DESIGN AND MAINTENANCE. | 2 | 0 | 4 | MUM 2671C. AVID PROTOOLS 201/210M MUSIC PRODUCTION. | 3 | 1 | 4 |
| AUDIO SYSTEMS DESIGN AND MAINTENANCE Prerequisite: Minimum grade of C in MUM 1662C or in MUM 2661C A project-oriented course designed to develop skills in the design and maintenance of audio systems to meet industry standards. (Special Fee: \$130.00). | | | | AVID PROTOOLS 201/210M MUSIC PRODUCTION Prerequisite: MUM 2670C. This course is the second in a sequence of a courses preparing the student for the different levels of software certifications in Avid Pro Tools software, with the Certification Exams administered by Avid. This course is the Intermediate to advanced sequence for Avid Pro Tools HD software and hardware for Music Production. The student will be eligible to take the Pro Tools 201 and Pro Tools 210M exams at the culmination of this course. (Special Fee: \$130.00). | | | |
| MUM 2634C. THE DIGITAL AUDIO WORKSTATION. | 1 | 0 | 3 | MUM 2672C. AVID PRO TOOLS 130 FOR VIDEO GAME SOUND. | 2 | 1 | 2 |
| THE DIGITAL AUDIO WORKSTATION Prerequisite: Minimum grade of C in MUM 1002C or department approval. Corequisites: MUM 2661C or MUM 1674C This course introduces students to sound recording and post-production techniques using a Digital Audio Workstation. The course concentrates on developing beginner, intermediate, and advanced techniques on the most current software package used in the sound recording industry. (Special Fee: \$130.00). | | | | AVID PRO TOOLS 130 FOR VIDEO GAME SOUND Prerequisite: MUM 2670C or Departmental Approval This course is an in-depth study of production techniques used in creating and implementing game audio using the Avid Pro Tools audio production system. Analysis of game sonic requirements and workflow, audio element acquisition, sound effect production (Both foley and library), dialogue types, music usage, vehicle sounds, and cinematics will be studied, discussed, and demonstrated. (Special Fee: \$130.00). | | | |
| MUM 2637C. INTRODUCTION TO VIDEOGAME AND VR SOUND. | 2 | 0 | 4 | MUM 2678C. MIXING TECHNIQUES. | 1 | 0 | 2 |
| INTRODUCTION TO VIDEOGAME AND VR SOUND Prerequisite: Minimum grade of C in MUM 2630C or MUM 2634C, or department approval An overview of the fundamental concepts in sound design and implementation techniques for Videogames and Virtual Reality. (Special Fee: \$130.00). | | | | MIXING TECHNIQUES Prerequisite: Minimum grade of C in MUM 2666C Pre or Corequisite: MUM 2790L Students mix multitrack recordings with different requirements and in different genres, applying the prevailing aesthetics for the particular types of music being mixed. Students will mix in 2-channel stereo, and in several Surround and Immersive Sound techniques. (Special Fee: \$130.00). | | | |
| MUM 2640C. SOUNDTRACK RERECORDING MIXING - CAPSTONE. | 3 | 2 | 2 | | | | |
| SOUNDTRACK RERECORDING MIXING - CAPSTONE Prerequisite: Minimum grade of C in MUM 2666C, MUM 1648L and MUM 1646C Corequisite: MUM 1648L and MUM 1646C A project-oriented approach to soundtrack rerecording mixing. Includes mixing to picture, mixing by stems, pre-dubs, Surround and Immersive audio mixing for theatrical film releases, and for home theater releases such as television and video streams; and creation of deliverables as per industry standards (Special Fee \$130.00). | | | | | | | |
| MUM 2645C. MASTERING TECHNIQUES. | 1 | 0 | 2 | | | | |
| MASTERING TECHNIQUES Prerequisite: MUM 2661C An introduction to the techniques for the preparation of audio masters for publication in different formats, including analog mastering for vinyl records, and digital masters for High definition formats such as iTunes, ALAC and Flac; and for low definition and lossy formats such as audio CDs, audio streams and MPEG audio (MP3, etc.). (Special Fee \$130.00). | | | | | | | |

MUM 2683C. AVID PRO TOOLS 201/210P FOR POST PRODUCTION. 3 1 4

AVID PRO TOOLS 201/210P FOR POST PRODUCTION Prerequisite: MUM 2670C, or MUM 1003L, or MUM 2634L This course is the second in a sequence of a courses preparing the student for the different levels of software certifications in Avid Pro Tools software, with the Certification Exams administered by Avid. This course is the Intermediate to advanced sequence for Avid Pro Tools HD software and hardware for Post Production Sound. The student will be eligible to take the Pro Tools 201 and Pro Tools 210P exams at the culmination of this course. (Special Fee: \$130.00).

MUM 2690C. AVID PRO TOOLS 201/205D/210D DOLBY ATMOS. 3 1 4

AVID PRO TOOLS 201/205D/210D DOLBY ATMOS Prerequisite: A minimum grade of C in MUM 1003L, or in MUM 1675C, or in MUM 2634L, or in MUM 2670C, or in MUM 2671C, or in MUM 2683C, or proof of current User, or Operator, or Expert certification in the latest version of Pro Tools. This course trains the student in the use of the Dolby Atmos Immersive Atmos format, the used of the Dolby Production Suite on Pro Tools, the use of the Dolby Renderer, mixing sound in Dolby Atmos, deliverables in Atmos and other surround sound formats, and in Immersive Audio Files conversions. Successful completion of this course will allow the student to obtain the Avid Pro Tools 210D User Certification in Pro Tools for Dolby Atmos. (Special Fee: \$154.00).

MUM 2691C. AVID SIBELIUS 101 & 110 MUSIC NOTATION. 3 0 2

AVID SIBELIUS 101 & 110 MUSIC NOTATION Prerequisite: A minimum grade of C in MUT 1011C, or in MUT 1111 or permission from the department In this course the student learns and develops foundation-building themes and different ways of working in the software, as well as a clear understanding of the Sibelius interface, becomes comfortable with using shortcuts while learning how to create, edit, and print musical scores quickly and efficiently. (Special Fee: \$154.00).

MUM 2720. BUSINESS OF MUSIC. 3 2 2

BUSINESS OF MUSIC The fundamentals, guidelines and use of copyright law, contract, agencies and management, publishing, song writing, recording production and marketing.

MUM 2721. BUSINESS OF MUSIC II: ENTREPRENEURSHIP AND FREELANCING. 3 3 0

BUSINESS OF MUSIC II: ENTREPRENEURSHIP AND FREELANCING Prerequisite: Minimum grade of C in MUM 2720C. This course prepares students for careers as entrepreneurs and free-lancers in the music and audio business. The course stresses issues such as budgeting, bidding, taxes, liability, laws and regulations that prepares students to find and maintain clients for their skills.

MUM 2790L. MUSIC PRODUCTION - CAPSTONE. 1 0 3

MUSIC PRODUCTION - CAPSTONE Prerequisites: Minimum grades of C in MUM 2666C Participation by students as technicians, producers and managers in the production of either a live audio event, or of a music recording project, closely paralleling the workings of a music production company. Multiple credit course. May be repeated for maximum of two credits, but grade forgiveness cannot be applied. (Special Fee: \$130.00).

MUM 2930. SELECTED TOPICS IN MUSIC PRODUCTION. 1-3 variable

SELECTED TOPICS IN MUSIC PRODUCTION For students who desire in-depth study of special topics in music production through research, discussion, hands-on experience and observation. May be repeated for credit, but grade forgiveness cannot be applied.

MUM 2942. INTERNSHIP IN SOUND AND MUSIC TECHNOLOGY. 1-4 variable

INTERNSHIP IN SOUND AND MUSIC TECHNOLOGY Prerequisite: 12 credits including MUM 2661C Sound Recording I; and Internship Office approval The Program Director/Program Chair/Program Coordinator or Internship Placement Office has the discretion to provide override approval as it relates to the waiver of required program/discipline-related courses. This course is a planned work-based experience that provides students with supervised career exploration activities and/ or practical experiences. Each earned credit of internship requires a minimum of 80 clock hours of work. Multiple credit course. May be repeated for credit, but grade forgiveness cannot be applied. (Internship Fee: \$10.00).