

# MUSIC (MUS)

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## **MUS-090** Preparation for Music Theory 2 credits, Summer

This course familiarizes students with terminology and building blocks used in Music Theory. Students who have played in ensembles or sang in choirs, but have not had a formal music theory program before, will find that this course prepares them to succeed in the MUS-111 through MUS-113 sequence.

## **MUS-101** Music Fundamentals 3 credits, Fall/Winter/Spring

Introduction to fundamentals of reading and writing music. Designed for non-majors or majors needing substantial preparation for MUS-111.

## **MUS-102** Applied Music Fundamentals 3 credits, Fall

The first of a 3 course introduction to the fundamentals of music theory. Designed for MPT/MT or AS Transfer students who need substantial preparation for MUS-111 and non-majors.

## **MUS-103** Applied Music Fundamentals 3 credits, Winter

A continuation of an introduction to fundamentals of music theory. Designed for MPT/MT or AS Transfer students who need substantial preparation for MUS-111 and interested non-majors.  
Prerequisites: MUS-102

## **MUS-104** Applied Music Fundamentals 3 credits, Spring

The final sequence of a 3 course introduction to fundamentals of music theory. Designed for MPT/MT or AS Transfer students who need substantial preparation for MUS-111 and interested non-majors.  
Prerequisites: MUS-103

## **MUS-105** Music Appreciation 3 credits, Fall/Winter/Spring

For non-majors and music majors. Emphasis on engaging in the study of instrumental and vocal musical genres from the ancient period through the contemporary music of our time. Includes critical analysis, study of elements, forms, styles, composers, performers, cultural, and historical issues and events.  
Recommended Prerequisites: WRD-098 or placement in WR-121Z

## **MUS-106** Audio Recording At Home 1 credits, Fall/Winter/Spring

An overview of the basic tools and techniques used in audio recording at home. Depending on participant needs, topics may include signal path, microphone applications, software, hardware, outboard gear, soldering techniques, tracking, mixing, and editing.

## **MUS-107** Introduction to Audio Recording I 3 credits, Fall/Winter/Spring/Summer

Introduction to the basic techniques and tools used in audio recording. Areas of study include signal path, microphone applications, software, hardware, outboard gear, tracking, mixing, and editing.

## **MUS-108** Introduction to Audio Recording II 3 credits, Fall/Winter/Spring

Exploration of techniques and tools used in audio recording. Analog, digital, and hard drive recording will be explored. Areas of study include multi-tracking, signal path, microphone applications, software, hardware, outboard gear, soldering techniques, tracking, mixing, and editing. Software/hardware includes ProTools, ADAT, Mackie, etc.  
Prerequisites: MUS-107

## **MUS-109** Introduction to Audio Recording III 3 credits, Fall/Winter/Spring

Exploration of digital recording/editing software and production of CD project. Advanced exploration of techniques and tools used in audio recording. Areas of study include signal path, microphone applications, software, hardware, outboard gear, tracking, mixing, and editing. Analog, digital, and hard drive recording will be explored. Software/hardware includes ProTools, ADAT, Mackie, etc.  
Prerequisites: MUS-108

## **MUS-111** Music Theory I 3 credits, Fall

For non-majors and music majors. Presents an introduction to the diatonic and chromatic structure of tonal music from the common practice period through written exercises, listening, and analysis. This is the first term of a three-term sequence, which includes concepts of pitch and rhythm, intervals, keys, scales, triads, dominant seventh chord, and standard cadences. Provides a thorough groundwork in the melodic, harmonic, and rhythmic elements of music.

Recommended Prerequisites: MTH-095 or placement in MTH-111Z; WRD-098 or placement in WR-121Z  
Corequisites: MUS-111L, MUS-114, and MUS-127 for AS in music degree seekers. This requirement does not affect non-music majors or MPT Majors

## **MUS-111L** Music Notation Software I 1 credits, Fall

Introduces students to Finale (music notation software) on Macintosh computers.

## **MUS-112** Music Theory I 3 credits, Winter

For non-majors and music majors. Presents functional harmony through written exercises, listening, and analysis. This is the second term of a three-term sequence, which includes voice leading, nonharmonic tones, three-voice and four-voice chorale writing, figured bass, and small melodic structures. Provides a thorough groundwork in the melodic, harmonic, and rhythmic elements of music.  
Prerequisites: MUS-111

Corequisites: MUS-112L, MUS-115, and MUS-128 for AS in music degree seekers. This requirement does not affect non-music majors or MPT Majors

## **MUS-112L** Music Notation Software I 1 credits, Winter

Continues an introduction to Finale (music notation software) on Macintosh computers.

## **MUS-113** Music Theory I 3 credits, Spring

For non-majors and music majors. Presents the diatonic and chromatic structure of tonal music in theory from the common practice period through written exercises, compositions, listening, and analysis. This is the third term of a three-term sequence, which includes chord progressions, use of triad inversions, seventh chords, secondary harmony, tonicization, and modulation to closely related keys.  
Prerequisites: MUS-112

Corequisites: MUS-113L, MUS-116, and MUS-129 for AS in music degree seekers. This requirement does not affect non-music majors or MPT Majors

## **MUS-113L** Music Notation Software I 1 credits, Spring

Continues an introduction to Finale (music notation software) on Macintosh computers.

**MUS-114** Aural Skills I

2 credits, Fall

First course in a year-long sequence. Diatonic sight singing in major keys using solfège syllables and moveable 'do'. Melodic dictation and aural recognition of intervals and triads.

Corequisites: MUS-111

**MUS-115** Aural Skills I

2 credits, Winter

Second of three courses in a year-long sequence. Diatonic sight singing in major keys using solfège syllables and moveable 'do'. Melodic dictation and aural recognition of intervals, triads, and 7th chords.

Prerequisites: MUS-114

Corequisites: MUS-112

**MUS-116** Aural Skills I

2 credits, Spring

Third of three courses in a year-long sequence. Diatonic sight singing in major keys using solfège syllables and moveable 'do'. Melodic dictation and aural recognition of intervals, triads, and 7th chords.

Prerequisites: MUS-115

Corequisites: MUS-113

**MUS-127** Keyboard Skills I

2 credits, Fall

Develops basic keyboard skills required for study of tonal harmony and various musical activities such as vocal and instrumental rehearsals, music education and composition.

Recommended: Some experience in reading treble and bass clef, or MUS-131, MUS-132, or MUS-133 with a C or better

Corequisites: MUS-111, MUS-111L, MUS-114

**MUS-128** Keyboard Skills I

2 credits, Winter

Develops basic keyboard skills required for study of tonal harmony and various musical activities such as vocal and instrumental rehearsals, music education and composition.

Prerequisites: MUS-127

Corequisites: MUS-112, MUS-112L, and MUS-115

**MUS-129** Keyboard Skills I

2 credits, Spring

Develops basic keyboard skills required for study of tonal harmony and various musical activities such as vocal and instrumental rehearsals, music education and composition.

Prerequisites: MUS-128

Corequisites: MUS-113, MUS-113L, and MUS-116

**MUS-131** Group Piano: Piano for Pleasure

1 credits, Fall

First of three courses in a year-long sequence. Beginning classroom piano instruction for non-music majors. Includes reading, theory, technical exercises, and the opportunity to share your music with others. Beginning to intermediate level.

**MUS-132** Group Piano: Piano for Pleasure

1 credits, Winter

Second of three courses in a year-long sequence. Beginning classroom piano instruction for non-music majors. Includes reading, theory, technical exercises, and the opportunity to share your music with others. Beginning to intermediate level.

**MUS-133** Group Piano: Piano for Pleasure

1 credits, Spring

Third of three courses in a year-long sequence. Beginning classroom piano instruction for non-music majors. Includes reading, theory, technical exercises, and the opportunity to share your music with others. Beginning to intermediate level.

**MUS-134** Group Voice: Anyone Can Sing

1 credits, Fall

Basic vocal techniques for the solo and ensemble singer. For music and non-music majors, voice and music education majors, and/or students who received a low rating on MUP-174 audition.

**MUS-135** Group Voice: Anyone Can Sing

1 credits, Winter

Vocal techniques for the solo and ensemble singer. For music and non-music majors, voice and music education majors, and/or students who received a low rating on MUP-174 audition.

**MUS-136** Group Voice: Anyone Can Sing

1 credits, Spring

Vocal techniques for the solo and ensemble singer. For music and non-music majors, voice and music education majors, and/or students who received a low rating on MUP-174 audition.

**MUS-137** Group Guitar I

1 credits, Fall/Winter/Spring

For beginning to intermediate players. Covers finger picking, lead guitar, rock and popular styles, music reading, and music theory. Students provide own instrument.

**MUS-138** Group Guitar II

1 credits, Winter/Spring

For intermediate to advanced players. Covers finger picking, lead guitar, rock and popular styles, music reading, and music theory. Students provide their own instrument.

Prerequisites: MUS-137

**MUS-140** Careers in Music

3 credits, Winter

An overview of the music industry career opportunities. Studies include recording studio management/engineering, music merchandising, promotion, music contracting, agent/personal manager, live performing, teaching, technical support, record business, video and film production/editing, retailing, and instrument repair.

**MUS-141** Introduction to the Music Business

3 credits, Fall

Explores business basics, songwriting, demos, agents, managers, copyrights, gig and concert promotion, publishing, licensing, and music business structures.

**MUS-142** Introduction to Electronic Music I: MIDI

3 credits, Fall/Winter/Spring

Introduction to synthesis, MIDI sequencing, basic musical elements, and the basics of production. Learn how to make beats, songs, etc. Uses common production software/hardware.

**MUS-143** Introduction to Electronic Music II: Sequencing, Audio Looping, Sound EFX

3 credits, Fall/Winter/Spring

An introduction to digital audio in the MIDI environment. This course continues MIDI sequencing, and integrates audio into the MIDI environment with audio looping, and spotting sound effects. Uses common production software/hardware.

Prerequisites: MUS-142

**MUS-144** Introduction to Electronic Music III: Digital Audio

3 credits, Fall/Winter/Spring

Exploration of digital music recording and editing, synthesis, sampling, and sequencing. Presents CD/audio file production techniques integrating digital audio with the MIDI sequence. Uses Pro Tools, and other common production software/hardware.

Prerequisites: MUS-143

**MUS-145** Location Audio, Livestreaming, and Advanced Audio Editing Techniques

3 credits, Spring

A look at onsite audio, both for recording as well as for broadcast, with an additional segment on more advanced audio editing techniques (can be taken in 1-credit segments; see MUS-150, MUS-151, and MUS-152).

**MUS-147** Music, Sound & Moviemaking

1 credits, Fall/Winter/Spring

Presents the basic components of designing, shooting, recording audio, and post production of movies as well as the history and theory that has led to contemporary film production.

**MUS-148** Live Sound Engineering

3 credits, Fall/Spring

Introduction to the basic techniques and tools used in live sound engineering and mixing. Areas of study include set up, signal path, microphone applications, hardware, and outboard gear.

**MUS-150** Location, Live, and Dialogue Sound Recording

1 credits, Spring

Through hands-on and practical situational experience, students will be introduced to recording audio in a non-traditional studio environment. Concepts will include live concert documentation, field/location recording, and dialogue recording.

Prerequisites: MUS-107

**MUS-151** Video and Audio for Livestream

1 credits, Spring

Utilizing Open Broadcast Software and professional audio equipment, students will learn to use and manipulate video and audio for live internet broadcasts.

**MUS-152** Advanced Audio Editing Techniques

1 credits, Spring

Additional advanced training in Pro Tools audio software techniques. The student will learn techniques in audio editing using warp audio, Beat Detective, and other plug-ins not covered in the MUS-107 through MUS-109 series.

Prerequisites: MUS-107 or MUS-143 or equivalent

**MUS-160** Songwriting I

2 credits, Winter

Studies the techniques of a working songwriter, including use of form, lyrics, harmonic progressions and symbolism in the creative aspect of songwriting. Solo writing as well as the concept of collaboration are introduced. Participants will work individually and/or in small groups to record original songs. May be repeated for up to 4 credits.

Required: Working proficiency at playing an instrument such as piano, guitar, voice, or equivalent. Computer generated music is also acceptable

**MUS-161** Songwriting II

2 credits, Spring

This course is a continuation of MUS-160. Further explores the elements of songwriting, focuses on creating a digital composition portfolio and public performance.

**MUS-170** Introduction to Scoring Music for Media

2 credits, Spring

Introduction to the analysis, writing, and production of basic film, video, and/or video game music scores and spotting music cues.

Prerequisites: MUS-102 or MUS-112 or MUS-143

**MUS-171** Sound Design

2 credits, Winter

This course introduces students to the fundamentals of sound design through a series of practical, hands-on activities. Students will gain an understanding of the skills, tools, and concepts used in the creation and synchronization of sound effects in modern visual media. Through a thorough introduction to sound recording, editing and mixing, audio manipulation, and electronic synthesis, this course will provide students with the knowledge and skills to create unique sound effects using industry standard software like Pro Tools, Propellerhead's Reason, Ableton Live, Native Instrument's Reaktor, and other sound design-specific software.

**MUS-188** Performance Attendance

0 credits, Fall/Winter/Spring

The student is expected to attend a minimum of five live performances approved by the Music Department for each term registered.

**MUS-189** Performance & Repertoire

1 credits, Fall/Winter/Spring

A performance forum required for all students studying a classical instrument or voice at the MUP-171 to MUP-191 and MUP-271 to MUP-291 levels. Through weekly performance and critique, each student will develop proper stage manners and prepare for the end of term performance jury, and will also study the work to be performed through academic research. Students will have an opportunity to work with a professional accompanist. May be repeated for up to 6 credits. Required: Student Petition.

**MUS-205** Music Literature: History of Jazz

4 credits, Not Offered Every Term

For non-majors and music majors. Emphasis on engaging in the study of Jazz music and surrounding cultural/historical issues. Includes critical analysis, study of elements, forms, styles, composers, performers, cultural, and historical issues and events.

Recommended Prerequisites: WRD-098 or placement in WR-121Z

**MUS-206** Music Literature: History of Rock

4 credits, Fall/Winter/Spring

For non-majors and music majors. Emphasis on engaging in the study of Rock music and surrounding cultural/historical issues. Includes critical analysis, study of elements, forms, styles, composers, performers, cultural, and historical issues and events. An examination of Rock music as a contemporary social medium.

Recommended Prerequisites: WRD-098 or placement in WR-121Z

**MUS-207** Advanced Audio Recording & Mixing I: Recording Techniques

3 credits, Fall

This course will address advanced recording techniques and topics with a focus on working with live talent in the recording studio. Topics covered include vocal production, drum recording, instrument production, ensemble dynamics, multi microphone and stereo microphone techniques, utilizing outboard processors, increased fluency in Pro Tools etc. Students will also be participating in client outreach, securing talent for the class recording sessions.

Prerequisites: MUS-109

**MUS-208** Advanced Audio Recording & Mixing II: Editing & Mix Preparation

3 credits, Winter

This course will address advanced editing and mix preparation techniques. Topics covered include vocal compilation, vocal tuning, drum editing, audio denoising, complex signal routing schemes, clip gain, vocal de-essing, vocal splitting etc. Tools explored in the class include Beat Detective, Melodyne, VocAlign, Auto-Align, iZotope, and Antares Auto Tune. Students will be introduced to the concept of custom mix templates, Pro Tools session data, and creating track presets.

Prerequisites: MUS-109

Recommended Prerequisites: MUS-207

**MUS-209** Advanced Audio Recording & Mixing III: Mixing & Mastering Capstone

3 credits, Spring

This course will address applications of modern Mixing and Mastering Techniques. Topics include signal processing such as EQ, compression, modulation, time-based effects, and limiting. Additional topics include parallel processing, effective gain staging, automation, and creative problem-solving. These topics will be reinforced by the introduction to the concepts of how to listen to mixes and masters, translation to different music systems and environments, expectations and professional loudness standards of the deliverables, mastering in the mix, mastering with AI, and mastering with a human engineer. The student will compile a capstone portfolio of productions that they have developed throughout MUS-207, MUS-208, and MUS-209.

Prerequisites: MUS-109

Recommended Prerequisites: MUS-207 and MUS-208

**MUS-211** Music Theory II

3 credits, Fall

For non-majors and music majors. Continuation of the study of functional harmony through written exercises, compositions, listening, and analysis and introduction to polyphony. This is the first term of a three-term sequence, which includes late Renaissance polyphony, baroque counterpoint, and chromatic harmony.

Prerequisites: MUS-113

Corequisites: MUS-214 and MUS-224

**MUS-212** Music Theory II

3 credits, Winter

For non-majors and music majors. Continuation of the study of harmony and period styles through written exercises, compositions, listening, and analysis. This is the second term of a three-term sequence, which includes the classical style, extended, and chromatic harmony.

Required: Ability to read music

Prerequisites: MUS-211

Corequisites: MUS-215 and MUS-225

**MUS-213** Music Theory II

3 credits, Spring

For non-majors and music majors. Continuation of the study of harmony, period styles after the 18th century through written exercises, compositions, listening, and analysis. This is the third term of a three-term sequence, which includes the 19th and 20th century idioms such as Romanticism, impressionism, post-Romanticism, and serialism.

Prerequisites: MUS-212

Corequisites: MUS-216 and MUS-226

**MUS-214** Keyboard Skills II

2 credits, Fall

Advanced keyboard applications of the materials of diatonic and chromatic music.

Prerequisites: MUS-129

Corequisites: MUS-211

**MUS-215** Keyboard Skills II

2 credits, Winter

Second course in the sequential second year of advanced keyboard applications covering the materials of diatonic and chromatic music.

Prerequisites: MUS-214

Corequisites: MUS-212

**MUS-216** Keyboard Skills II

2 credits, Spring

Third course in the sequential second year of advanced keyboard applications covering the materials of diatonic and chromatic music.

Prerequisites: MUS-215

Corequisites: MUS-213

**MUS-218** MPT Seminar I

1 credits, Fall

First of a three-part series. For second year MPT students only. Seminar will cover writing, arranging, production, performance and music theory through experiential learning. Students will produce, write and arrange for each CWE/Songwriters concert and will produce the Annual MPT festival each spring.

Required: Must be a 2nd year MPT student in good standing

Prerequisites: MUS-103, MUS-109, MUS-113L, and MUP-150

**MUS-219** MPT Seminar II

1 credits, Winter

Second in a three-part series. For second year MPT students only. Seminar will cover writing, arranging, production, performance and music theory through experiential learning. Students will produce, write and arrange for each CME/Songwriters concert and will produce the Annual MPT festival each spring.

Prerequisites: MUS-218

**MUS-220** MPT Seminar III

1 credits, Spring

Third in a three-part series. For second year MPT students only. Seminar will cover writing, arranging, production, performance and music theory through experiential learning. Students will produce, write and arrange for each CWE/Songwriters concert and will produce the Annual MPT festival each spring.

Prerequisites: MUS-219

**MUS-224** Aural Skills II

2 credits, Fall

First of three courses in a year-long sequence. Diatonic and chromatic sight singing with solfège syllables and moveable 'do'. Four-part dictation including all chromatic devices studied in Theory II.

Prerequisites: MUS-116

Corequisites: MUS-211

**MUS-225** Aural Skills II

2 credits, Winter

Second of three courses in a year-long sequence. Diatonic and chromatic sight singing with solfège syllables and moveable 'do'. Four-part dictation including all chromatic devices studied in Theory II.

Prerequisites: MUS-224

Corequisites: MUS-212

**MUS-226** Aural Skills II

2 credits, Spring

Third of three courses in a year-long sequence. Diatonic and chromatic sight singing with solfège syllables and moveable 'do'. Four-part dictation including all chromatic devices studied in Theory II.

Prerequisites: MUS-225

Corequisites: MUS-213

**MUS-242** Advanced Electronic Music I: Synthesis and Instrument Design

3 credits, Fall

This course will feature an advanced survey of the major forms of synthesis: Additive, Subtractive, Sample Based, Wavetable, FM, etc. and exploring their corresponding instruments in Ableton Live. Students will focus on creating instruments, patches, and packs in Ableton Live. Exploration of Drum Racks, Instrument Racks, and Audio Effects Racks for sound design and implementation in electronic music. Max for Live will be introduced and integrated.

Prerequisites: MUS-144

**MUS-243** Advanced Electronic Music II: Electronic Music Ensemble

3 credits, Winter

This course will utilize Ableton Live and introduce students to using the DAW (Digital Audio Workstation) in a performance environment. Topics covered include Session View, Launching Clips, Utilizing Grooves, Programming controllers via MIDI, Synchronizing Live with Link, Tempo Follower, and MIDI. Students will prepare compositions to perform live.

Prerequisites: MUS-144

**MUS-244** Advanced Electronic Music III: Production Capstone

3 credits, Spring

Students will assemble a portfolio emphasizing their unique production techniques, abilities, and aesthetics. Utilizing experience and knowledge gained from the previous class sections, students will maintain ongoing music projects that will be reviewed and revised. There will be emphasis on aesthetic topics referencing industry trends. The class focus will be on analysis, critical listening, peer review, mixing and mastering, and production techniques.

Prerequisites: MUS-144

**MUS-247** Sound for Media

3 credits, Fall/Spring

Introduction to sound as related to film making, animation, and video games. Students will have the opportunity to create and assemble sound for media into a finished product. Explores the basic components of commercial film/video, animation, and game production as they relate to sound.

Recommended: Experience using a DAW (Digital Audio Workstation) or video editing software

**MUS-248** Live Sound Engineering II

3 credits, Not Offered Every Term

Students will be introduced to advanced live sound principles including feedback rejection, graphic and parametric equalization of stage monitors and FOH, expanded setup, industry trends and vocabulary, advanced mic techniques, incorporating subwoofers, and digital console workflow. Attendance/Tours of local music venues and systems will be explored.

Prerequisites: MUS-148

**MUS-280** Music/CWE

2-6 credits, Fall/Winter/Spring/Summer

Cooperative work experience. Provides students with on-the-job work experience in the field of music. Required: Student Petition.

Prerequisites: MUS-107, MUS-140, and MUS-142

Corequisites: CWE-281