MUP 104 Introduction to Jazz Listening 2
The jazz masters and significant jazz recordings of the 20th century will be introduced; these recordings will range from Louis Armstrong to John Coltrane. Aural recognition will be developed.
Prerequisites: Music major.
MUP 115 Composition Skills 3
Students will compose pieces and perform their compositions. Student works will imitate historical styles or be freely devised. Ability to read music and play an instrument or sing is required.
Prerequisites: Music major or permission of the instructor.
Notes: May be repeated for credit.
MUP 125 Class Voice 1
Study of basic principles of vocal production, to include acquaintance with a variety of solo literature and the development of poise and stage deportment.
Notes: May be repeated for credit.
MUP 131 Class Piano 1
Laboratory instruction in piano. Offered as preparation for piano proficiency required of music majors whose major or principal area is not piano. MUP 131, first level; MUP 132, second level; MUP 133, third level; MUP 134, fourth level.
Prerequisites: MEDU, PRFM, or MUSI major or permission of instructor.
MUP 132 Class Piano 1
Laboratory instruction in piano. Offered as preparation for piano proficiency required of music majors whose major or principal area is not piano. MUP 131, first level; MUP 132, second level; MUP 133, third level; MUP 134, fourth level.
Prerequisites: MEDU, PRFM, or MUSI major or permission of instructor.
MUP 133 Class Piano 1
Laboratory instruction in piano. Offered as preparation for piano proficiency required of music majors whose major or principal area is not piano. MUP 131, first level; MUP 132, second level; MUP 133, third level; MUP 134, fourth level.
Prerequisites: MEDU, PRFM, or MUSI major or permission of instructor.
MUP 134 Class Piano 1
Laboratory instruction in piano. Offered as preparation for piano proficiency required of music majors whose major or principal area is not piano. MUP 131, first level; MUP 132, second level; MUP 133, third level; MUP 134, fourth level.
Prerequisites: MEDU, PRFM, or MUSI major or permission of instructor.
MUP 151 Performance Studies 1-3
Instruction on principal instrument or in voice.
MUP 152 Performance Studies 1-3
Instruction on principal instrument or in voice.
Prerequisites: Audition required.
Notes: May be repeated for credit if different instrument or with approval of Department Chair. Enrollment for 2–3 credits requires coregistration in an ensemble.
MUP 153 Performance Studies 1-3
Performance studies instruction for non-majors or majors on secondary instrument/voice.
Prerequisites: Admission as a Music major, or special permission of Department; enrollment in two (2) or more s.h. requires coregistration in an ensemble;
Notes: May be repeated for credit if different instrument.
MUP 155 Secondary Piano for Music Education 1-3
Studio instruction for Music Education majors whose secondary instrument is piano.
Prerequisites: MUP 134, or pass first Music Education piano proficiency examination. MEDU Major.
MUP 170 Italian and Latin Diction for Singers 1
Study of International Phonetic Alphabet and its application to the pronunciation of Italian and ecclesiastical Latin and special problems involved in singing these languages.
MUP 171 English Diction for Singers 1
Study of the International Phonetic Alphabet and its application to the pronunciation of English and special problems involved in singing in English.
Prerequisites: MUP 170, or permission of instructor.
MUP 180 Beginning Guitar 2
The development of fundamental guitar proficiency, through a wide repertoire of folk and popular songs, for students with no previous experience. Must supply a 6-string acoustic guitar.
MUP 182 Beginning Piano 2
Beginning piano performance and music fundamentals for the student with little or no previous music study.
Prerequisites: Non-music majors only.
MUP 184 Beginning Ukulele 2
The development of fundamental ukulele proficiency, through a wide repertoire of folk and popular songs, for someone with no previous experience.
Notes: Students must supply a four-string acoustic ukulele.
MUP 204 Principles of Jazz Theory 3
Foundational knowledge for the study of jazz improvisation, composition, and arranging; stressing jazz nomenclature, basic chord substitution, voice leading, and jazz keyboard skills.
Prerequisites: MUP 104 or permission of instructor.
MUP 205 Composition Studies 3
Applied instruction in music composition.
Prerequisites: MUP 115 or permission of instructor. PRFM major, composition concentration.
MUP 206 Composition Studies 3
Applied instruction in music composition.
Prerequisites: MUP 115 or permission of instructor. PRFM major, composition concentration.
MUP 220 Making Music with Computers 3
Hands-on introduction to using computers to create music. Topics include sequencing, editing, sampling, and looping. Software includes Garage Band, Logic Express, Reason, and Audacity.
GE Core: GFA
MUP 251 Performance Studies 1-6
Instruction on principal instrument or in voice.
Prerequisites: Audition required.
Notes: May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in an ensemble.
MUP 252 Performance Studies 1-6
Instruction on principal instrument or in voice.
Prerequisites: Audition required.
Notes: May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in an ensemble.
MUP 253 Performance Studies 1-3
Performance studies instruction for non-majors or majors on secondary instrument/voice.
Prerequisites: Admission as a Music major or special permission of Department. enrollment in two (2) or more s.h. requires coregistration in an ensemble;
Notes: May be repeated for credit if different instrument.

MUP 255 Secondary Piano for Music Education 1-3
Studio instruction for Music Education majors whose secondary instrument is piano.
Prerequisites: MUP 155. MEDU Major.

MUP 270 French Diction for Singers 1
Phonetic alphabet as it relates to French language and special problems involved in singing this language.
Prerequisites: MUP 170, or permission of instructor.

MUP 271 German Diction for Singers 1
Phonetic alphabet as it relates to German language and special problems involved in singing this language.
Prerequisites: MUP 170, or permission of instructor.

MUP 284 Fundamentals of Keyboard Accompanying I 1
Class discussion, study and performance of literature for voice and/or instruments with keyboard accompaniment. Special attention given to sight reading techniques, German Lieder and Italian opera reductions.
Prerequisites: MUS 106, or permission of instructor.

MUP 285 Fundamentals of Keyboard Accompanying II 1
Class discussion, study, and performance of literature for voice and/or instruments with keyboard accompaniment. Special attention given to ensemble playing, orchestral transcriptions, and the style of French melodie.
Prerequisites: MUP 284, or permission of instructor.

MUP 300 Recital 0
Presentation of a varied program of music.

MUP 300X Experimental Course 1-6
This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUP 301 Repertoire Class 1
A workshop class where pedagogy of the performance medium is discussed and works of musical literature are performed, coached, and discussed.
Corequisites: MUP 151 or MUP 152 or MUP 251 or MUP 252 or MUP 351 or MUP 352 or MUP 451 or MUP 452.
Notes: May be repeated as often as the student is co-registered for performance studies instruction. Grade: Pass/Not Pass (P/NP).

MUP 302 Keyboard Harmony I 1
A keyboard approach to the study of harmony, emphasizing extemporaneous keyboard harmonization, harmonization of melodies, and figured bass realization.
Prerequisites: MUP 251 level in keyboard, or permission of instructor.

MUP 303 Keyboard Harmony II 1
A continuation of MUP 302; a keyboard approach to the study of harmony, emphasizing extemporaneous keyboard harmonization, harmonization of melodies, and figured bass realization.
Prerequisites: MUP 302, or permission of instructor.

MUP 305 Composition Studies 3
Applied instruction in music composition.
Prerequisites: MUP 115 or permission of instructor. PRFM major, composition concentration.

MUP 306 Composition Studies 3
Applied instruction in music composition.
Prerequisites: MUP 115 or permission of instructor. PRFM major, composition concentration.

MUP 307 Composition Seminar 1
A workshop class where pedagogy of musical composition is discussed and recent works by student and professional composers are presented, performed, coached, and/or discussed.
Corequisites: MUP 115 or MUP 205 or MUP 206 or MUP 305 or MUP 306 or MUP 405 or MUP 406.

MUP 319 Choral Conducting I 1
Conducting techniques, especially as related to choral conducting; rehearsal procedures, study of choral repertory.

MUP 321 Jazz Improvisation I 2
Basic course for the student with little or no previous experience in jazz improvisation. First semester: essential theoretical knowledge and practical skills and practice of integrating them into improvisation.
Prerequisites: MUP 204.

MUP 322 Jazz Improvisation II 2
Continued development of knowledge and skills present in MUP 321 with emphasis on increased fluency and mastery.
Prerequisites: MUP 321 or permission of instructor.

MUP 325 Singer Songwriting 3
This course is intended for anyone interested in learning the art of songwriting. To be successful, performance ability on an instrument or voice is highly recommended.

MUP 331 Free Improvisation 1
This course is designed for performers who want to develop their skill in spontaneous creative expression. It will focus on building competency and confidence in solo and collective improvisation for both vocalists and instrumentalists. Students will be led through a sequence specifically created to ease fears about improvisation and increase connectivity, creativity, and individual voice. Classes will be focused on practical experience as well as readings and activities to enhance musical intuition and instinct. The semester will culminate in a performance of improvisation.
Notes: May be repeated for credit.

MUP 344 Digital Music Composition I 3
Introductory course in electronic composition. Lecture and laboratory experience. Projects involving analog synthesis, tape techniques, computer and MIDI control of electronic instruments.
Prerequisites: Junior standing or permission of instructor
Notes: Open to all university students.

MUP 345 Digital Music Composition II 3
Further exploration of compositional concepts dealing with MIDI, sound synthesis, and multitracking basic recording techniques. Includes emphasis on live, interactive electronic music resources including Max/ MSP, C-sound, Reaktor, and others.
Prerequisites: MUP 344, or permission of instructor.

MUP 349 Audio Recording I 3
Basic concepts and techniques of audio recording, including microphones, microphone placement, recording techniques, editing and mixing. Final project is a professional-level recording of a small ensemble or band.
MUP 351 Performance Studies 1-6
Instruction on principal instrument or in voice.
Prerequisites: Audition required.
Notes: May be repeated for credit with approval of Department Chair.
Enrollment in 2 or more credits requires coregistration in an ensemble.

MUP 352 Performance Studies 1-6
Instruction on principal instrument or in voice.
Prerequisites: Audition required.
Notes: May be repeated for credit with approval of Department Chair.
Enrollment in 2 or more credits requires coregistration in a large ensemble.

MUP 353 Performance Studies 1-3
Performance studies instruction for non-majors or majors on secondary instrument/voice.
Prerequisites: Admission as a Music major or special permission of Department. Enrollment in two (2) or more s.h. requires coregistration in an ensemble;
Notes: May be repeated for credit if different instrument.

MUP 355 Secondary Piano for Music Education 1-3
Studio instruction for Music Education majors whose secondary instrument is piano.
Prerequisites: MUP 255. MEDU Major.

MUP 372 Instrumental Conducting 1 1
Introductory course in instrumental conducting. Emphasis on baton technique and non-verbal communication.
Prerequisites: Junior standing or permission of instructor.

MUP 375 Opera Performance Techniques 2
Techniques for the singer-actor; study of the materials and nature of music theatre; development of basic skills required in opera and/or music theatre.
Prerequisites: Permission of instructor.
Notes: May be repeated for credit.

MUP 387 Historical Performance Consort 1
This course provides a setting in which music students will study principles, practices, and repertoire related to the historically informed performance of Western music of earlier ages, centering on the Baroque and Classical eras.
Prerequisites: MUP 252.
Notes: May be repeated for credit.

MUP 400 Recital 1
Performance of a faculty approved repertoire selection of approximately 50 minutes of music.
Prerequisites: Senior status in Performance Studies.

MUP 400X Experimental Course 1-6
This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUP 402 Entrepreneurship in the Performing Arts 3
Focus on entrepreneurship knowledge, skills and career development in the performing arts.
Prerequisites: Junior or senior standing.
Notes: Same as ENT 402, VPA 402.

MUP 405 Composition Studies 3
Applied instruction in music composition.
Prerequisites: MUP 115 or permission of instructor. PRFM major with a composition concentration.

MUP 406 Composition Studies 3
Applied instruction in music composition.
Prerequisites: MUP 115 or permission of instructor. PRFM major with a composition concentration.

MUP 409 Jazz Pedagogy 2
Prerequisites: MUP 204.

MUP 412 Piano Pedagogy I 3
Survey of current piano teaching philosophies, methods, and materials and their application for private and group instruction. Supervised teaching of beginning piano students.
Prerequisites: Keyboard principal or major or permission of instructor.

MUP 413 Piano Literature I 3
Survey of piano literature from ca. 1760–1825, with a preliminary investigation of music for other keyboard instruments from earliest extant sources.
Prerequisites: Junior or senior standing or permission of instructor.

MUP 414 Piano Literature II 3
Survey of piano literature from ca. 1825 to present.
Prerequisites: Junior or senior standing or permission of instructor.

MUP 417 Piano Pedagogy II 3
Survey of intermediate and moderately advanced teaching literature with emphasis on basic pedagogical approaches to technique, style, and interpretation. Procedures for teaching functional skills. Supervised teaching experience.
Prerequisites: Keyboard principal or major or permission of instructor.

MUP 421 Music Technology in Performance 3
This course is designed to develop proficiency for musicians interested in performing music that utilizes technology in many ways. Subjects include mixers, microphones, monitors, computer software programs, live looping, band setups and more. Open to everyone, including solo performers, bands/groups and performance artists.

MUP 423 Jazz Arranging I 2
Beginning study of language and techniques employed in arranging music for various jazz ensembles.
Prerequisites: MUP 204.

MUP 424 Jazz Arranging II 2
Advanced study of techniques and disciplines employed in arranging for jazz ensembles.
Prerequisites: MUP 423.

MUP 425 Organ Pedagogy 3
A study and evaluation of procedures used in the teaching of organ. Emphasis on skills and techniques through exercises and literature.
Prerequisites: Junior or senior keyboard major or principal.

MUP 426 Song Literature I 3
Survey of non-operatic solo vocal repertoire: Italian (Baroque and Classical), German, Nationalistic, Spanish. Brief historical study of major composers, poets, compositional style, and historical periods.

MUP 427 Song Literature II 3
MUP 428 Principles of Vocal Pedagogy 3
Teaching process as applied to singing. Includes historical development and an examination and comparison of concepts and approaches past and present.
Prerequisites: Senior standing as a voice major or principal or permission of instructor.

MUP 436 Band Literature 3
Band literature and origins of the band emphasizing its import and expanded cultivation during past century in United States and Europe.

MUP 447 Vocal Coaching 1
Facilitation of progressive development of voice students through advanced and comprehensive study of repertoire and performance practice, focusing primarily on diction, style, and interpretation.
Prerequisites: Voice Performance majors, junior or senior standing, and permission of coordinator of vocal area.
Corequisites: MUP 351 or MUP 352 or MUP 451 or MUP 452.
Notes: May be repeated as often as enrollment space permits.

MUP 451 Performance Studies 1-6
Instruction on principal instrument or in voice.
Prerequisites: Audition required.
Notes: May be repeated for credit with approval of Department Chair.
Enrollment in 2 or more credits requires coregistration in an ensemble.

MUP 452 Performance Studies 1-6
Instruction on principal instrument or in voice.
Prerequisites: Audition required.
Notes: May be repeated for credit with approval of Department Chair.
Enrollment in 2 or more credits requires coregistration in an ensemble.

MUP 455 Orchestration 3
Advanced techniques in instrumental scoring for large ensembles such as orchestra, wind ensemble, and jazz ensemble. Historical and stylistic analysis of the art of orchestration. Additional practical exercises in scoring and arranging for small and large ensembles.

MUP 460 History of Jazz 3
Chronological survey of jazz music and jazz history. Introduction to standard reference works and investigation of socio-cultural aspects.
Prerequisites: MUP 204. junior standing.

MUP 486 Advanced Instrumental Conducting 3
Topics include advanced non-verbal and gestural communication concepts, methods of score study, self-evaluation and reflection, critical listening, and application of leadership skills and rehearsal techniques in varied performance settings.
Prerequisites: MUE 472 or equivalent. Music majors only.

MUP 497 Directed Study in Music Performance 1-3
Supervised research in advanced subject area resulting in written document related to performance or composition. Project outline (available in Music office) prepared by student and supervising professor and approved by Department Head of Music Performance.
Prerequisites: Permission of supervising professor and Department Head of Music Performance.
Notes: May be repeated for credit if topic varies.

MUP 498 Italian for Singers 4
Study of basic grammar/vocabulary required to understand/pronounce texts from Italian opera/songs. Compares standard and operatic grammatical syntax. Covers material sufficient for basic needs and social demands of the language.
Prerequisites: MUP 170 or comparable Italian diction course from another institution.

MUP 600 Recital 1
Performance of a faculty approved repertoire selection of approximately 50 minutes of music.
Prerequisites: Permission of instructor.
Notes: Grade: Satisfactory/Unsatisfactory (S/U).

MUP 600X Experimental Course 1-6
This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUP 601 Repertoire Class 1
A workshop class where pedagogy of the performance medium is discussed and works of musical literature are performed, coached, and discussed.
Corequisites: Enrollment in Performance Studies Instruction.
Notes: Course may be repeated for credit.

MUP 604 Composition Seminar 1
A workshop class where pedagogy of musical composition is discussed and recent works by student and professional composers are presented, performed, coached, and/or discussed.
Corequisites: Enrollment in Performance Studies Instruction.

MUP 605 Principles of Jazz Theory 2
Establishes a foundation of knowledge for the study of jazz improvisation and composition, stressing jazz nomenclature, chord/scale analysis, basic chord substitution.
Prerequisites: Undergraduate degree in music or admission to the PBC in Jazz Studies.

MUP 609 Jazz Pedagogy 2
Prerequisites: Graduate music major.

MUP 610 Lecture-Demonstration 2
A research project leading to a public lecture recital.
Prerequisites: Permission of instructor.
Notes: Grade: Satisfactory/Unsatisfactory (S/U).

MUP 612 Piano Pedagogy I 3
Survey of current piano teaching philosophies, methods, materials, and their application for private and group instruction. Supervised teaching of beginning piano students.

MUP 613 Piano Literature I 3
Survey of piano literature from ca. 1760-1825, with a preliminary investigation of music for the other keyboard instruments from the earliest extant sources.

MUP 614 Piano Literature II 3
Survey of piano literature from ca. 1825 to the present.

MUP 617 Piano Pedagogy II 3
Survey of intermediate and moderately advanced teaching literature with emphasis on basic pedagogical approaches to technique, style, and interpretation. Procedures for teaching functional skills. Supervised teaching experience.

MUP 620 Seminar in Piano 3
Study of a particular composer or genre of piano literature emphasizing stylistic features, performance problems, pedagogy, and historical perspectives. Topic to be announced.
Prerequisites: Permission of instructor.
Notes: May be repeated once for credit when topic varies.
MUP 622 Seminar in Choral Literature 3
In-depth study of a limited area of choral literature, tracing its historical development and performance practice. Topic to be announced.
Notes: May be repeated once for credit when topic varies.

MUP 623 Jazz Arranging I 2
Beginning study of language and techniques employed in arranging music for various jazz ensembles.
Prerequisites: Graduate standing in music or permission of instructor.

MUP 624 Jazz Arranging II 2
Advanced study of techniques and disciplines employed in arranging for jazz ensembles.
Prerequisites: MUP 623.

MUP 626 Song Literature I 3
Survey of non-operatic solo vocal repertoire: Italian (Baroque and Classical), German, Nationalistic, Spanish. Brief historical study of major composers, poets, compositional style, and historical periods.

MUP 627 Principles of Vocal Pedagogy 3
Teaching process as applied to singing. Includes historical development and an examination and comparison of concepts and approaches past and present.
Prerequisites: Senior or graduate standing as a voice major or principal or permission of instructor.

MUP 630 The Study and Pedagogy of Phonetics as Applied to Singing 3
The International Phonetic Alphabet as applied to the singing of English, Italian, German, and French. Emphasis on vocal interpretation of the symbolic language and functional skills of teaching.

MUP 634 Song Literature II 3

MUP 636 Band Literature 3
Band literature and the origins of the band emphasizing its important and expanded cultivation during the past century in the United States and Europe.

MUP 638 Organ Pedagogy 3
A study and evaluation of procedures used in the teaching of organ. Emphasis on skills and techniques through exercises and literature.
Prerequisites: Junior, senior, or graduate keyboard major or principal.

MUP 640 Vocal Coaching 1
Facilitate the progressive development of voice students through advanced and comprehensive study of repertoire and performance techniques, focusing primarily on diction, style and interpretation.
Prerequisites: MUP 651 or higher standing in Performance Studies and permission of Vocal Area Coordinator.
Corequisites: MUP 651 or MUP 751.
Notes: May be repeated for credit.

MUP 644 Digital Music I 3
Introductory course in electronic composition. Lecture and laboratory experience.
Notes: Open to all University students.

MUP 645 Digital Music Composition II 3
Further exploration of compositional concepts dealing with MIDI, sound synthesis, multitracking, and recording techniques. Emphasis on live, interactive electronic music resources including Max/MSP, C-Sound, Reaktor, and others.
Notes: Registration restricted to graduate students in Music or with permission of instructor.

MUP 649 Audio Recording I 3
Basic concepts and techniques of audio recording, including microphones, microphone placement, recording techniques, editing and mixing. Final project is a professional-level recording of a small ensemble or band.

MUP 651 Performance Studies 1-6
Performance studies instruction on principal instrument, voice, composition, or conducting.
Prerequisites: By audition.
Notes: Curricular Practical Training Required for F1 Visa Holders.

MUP 653 Performance Studies (Secondary) 0.5-2
Performance studies instruction on secondary instrument, voice, composition, or conducting.
Prerequisites: By audition.
Notes: Curricular Practical Training Required for F1 Visa Holders.

MUP 655 Orchestration 3
Advanced techniques in instrumental scoring for large ensembles such as orchestra, wind ensemble, and jazz ensemble. Historical and stylistic analysis of the art of orchestration. Additional practical exercises in scoring and arranging for small and large ensembles.

MUP 661 Entrepreneurial Career Development in Music 3
Focus on the entrepreneurship knowledge, skills, and career development to enable students to become the architect of his/her future.
Notes: Same as ENT 661.

MUP 663 History of Jazz 3
Chronological survey of jazz music and jazz history. Introduction to standard reference works and investigation of socio-cultural aspects.

MUP 664 Jazz Improvisation I 2
An introduction to jazz improvisation using modal forms, blues, and ii-V-I progressions.
Prerequisites: Undergraduate degree in music or admission to the PBC Jazz Studies.

MUP 665 Advanced Jazz Improvisation 2
Continuation of Jazz Improvisation I; focus on standards through contemporary jazz performers and composers.
Prerequisites: MUP 664 Jazz Improvisation I or permission of instructor.

MUP 675 Opera Performance Techniques 2
Techniques for the singer-actor; study of the materials and nature of music theatre; development of skills required in opera/musical theatre.
Prerequisites: MUP 375 and/or permission of instructor.
Notes: May be repeated once for credit.

MUP 683 Instrumental Literature and Performance Practice 3
Survey of solo and chamber literature from the 17th century to the present. Emphasis on historical perspectives, development of instrumental genres, performance practices, listening, and general score analysis.

MUP 686 Advanced Instrumental Conducting 3
Topics include advanced non-verbal and gestural communication concepts, methods of score study, self-evaluation and reflection, critical listening, and application of leadership skills and rehearsal techniques in varied performance settings.
Prerequisites: Permission of instructor.

MUP 687 Historical Performance Consort 1
Provides a setting in which music students will study principles, practices, instruments, repertoire, and current professional activities related to the historically informed performance of Western music of earlier ages, centering on the Baroque and Classical eras.
MUP 697 Directed Study in Music Performance 1-12
Supervised advanced research requiring a written document or composition.
Prerequisites: Permission of supervising professor. Director of Graduate Study, and School of Music Director.

MUP 698 Italian for Singers 4
Study of basic grammar/vocabulary required to understand/pronounce texts from Italian opera/songs. Compares standard and operatic grammatical syntax. Covers material sufficient for basic needs and social demands of the language.
Prerequisites: MUP 170 or comparable Italian diction course from another institution.

MUP 699 Thesis 1-6
Individual guidance in the development of a specific performance or composition project.

MUP 701 Repertoire Class 1
A workshop class where pedagogy of the performance medium is discussed and works of musical literature are performed, coached, and discussed.
Corequisites: Enrollment in Performance Studies Instruction.
Notes: Course may be repeated for credit.

MUP 704 Composition Seminar 1
A workshop class where pedagogy of musical composition is discussed and recent works by student and professional composers are presented, performed, coached, and/or discussed.
Corequisites: Enrollment in Performance Studies Instruction.

MUP 705 Principles of Jazz Theory 2
Establishes a foundation of knowledge for the study of jazz improvisation and composition, stressing jazz nomenclature, chord/scale analysis, basic chord substitution.
Prerequisites: Undergraduate degree in music or admission to the P.B.C. in Jazz Studies.

MUP 709 Jazz Pedagogy 2
Prerequisites: Graduate music major.

MUP 710 Lecture-Demonstration 2
A research project leading to a public lecture recital.
Prerequisites: Permission of instructor.
Notes: Grading method is Satisfactory/Unsatisfactory (S/U).

MUP 712 Piano Pedagogy I 3
Survey of current piano teaching philosophies, methods, materials, and their application for private and group instruction. Supervised teaching of beginning piano students.

MUP 713 Piano Literature I 3
Survey of piano literature from ca. 1760-1825, with a preliminary investigation of music for the other keyboard instruments from the earliest extant sources.

MUP 714 Piano Literature II 3
Survey of piano literature from ca. 1825 to the present.

MUP 719 Seminar in Vocal Literature 3
In-depth study of an area of vocal literature tracing the historical development and performance practice of that area. Topic to be announced.
Prerequisites: Permission of instructor.
Notes: May be repeated once for credit when topic varies.

MUP 720 Seminar in Piano 3
Study of a particular composer or genre of piano literature emphasizing stylistic features, performance problems, pedagogy, and historical perspectives. Topic to be announced.
Prerequisites: Permission of instructor.
Notes: May be repeated once for credit when topic varies.

MUP 721 Music Technology in Performance 3
This course is designed to develop proficiency for musicians interested in performing music that utilizes technology in many ways. Subjects include mixers, microphones, monitors, computer software programs, live looping, band setups and more. Open to everyone, including solo performers, bands/groups and performance artists.

MUP 722 Seminar in Choral Literature 3
In-depth study of a limited area of choral literature, tracing its historical development and performance practice. Topic to be announced.
Notes: May be repeated once for credit when topic varies.

MUP 723 Jazz Arranging I 2
Beginning study of language and techniques employed in arranging music for various jazz ensembles.
Prerequisites: Graduate standing in music or permission of instructor.

MUP 724 Jazz Arranging II 2
Advanced study of techniques and disciplines employed in arranging for jazz ensembles.
Prerequisites: MUP 623.

MUP 726 Song Literature I 3
Survey of non-operatic solo vocal repertoire: Italian (Baroque and Classical), German, Nationalistic, Spanish. Brief historical study of major composers, poets, compositional style, and historical periods.

MUP 727 Principles of Vocal Pedagogy 3
Teaching process as applied to singing. Includes historical development and an examination and comparison of concepts and approaches past and present.
Prerequisites: Graduate standing as a voice major or principal or permission of instructor.

MUP 728 Advanced Vocal Pedagogy 3
Practical application of proven pedagogical techniques in a supervised teaching situation.
Prerequisites: MUP 627.

MUP 731 Free Improvisation 1
Designed for graduate student performers who want to develop advanced skills in spontaneous creative expression. It will focus on building competency and confidence in solo and collective improvisation for both vocalists and instrumentalists. Students will be led through a sequence specifically created to ease fears about improvisation and increase connectivity, creativity, and individual voice. Classes will be focused on practical experience as well as readings and activities to enhance musical intuition and instinct. The semester will culminate in a performance of improvisation.

MUP 734 Song Literature II 3

MUP 736 Band Literature 3
Band literature and the origins of the band emphasizing its important and expanded cultivation during the past century in the United States and Europe.
MUP 738 Organ Pedagogy 3
A study and evaluation of procedures used in the teaching of organ. Emphasis on skills and techniques through exercises and literature.
**Prerequisites:** Permission of instructor.

MUP 740 Vocal Coaching 1
Facilitate the progressive development of voice students through advanced and comprehensive study of repertoire and performance techniques, focusing primarily on diction, style and interpretation.
**Prerequisites:** MUP 651 or higher standing in Performance Studies and permission of Vocal Area Coordinator.
**Corequisites:** MUP 651 or MUP 751.
**Notes:** May be repeated for credit.

MUP 744 Digital Music I 3
Introductory course in electronic composition. Lecture and laboratory experience.
**Notes:** Open to all University students.

MUP 745 Digital Music Composition II 3
Further exploration of compositional concepts dealing with MIDI, sound synthesis, multitracking, and recording techniques. Emphasis on live, interactive electronic music resources including Max/MSP, C-Sound, Reaktor, and others.
**Notes:** Registration restricted to graduate students in Music or with permission of instructor.

MUP 747 Audio Recording I 3
Basic concepts and techniques of audio recording, including microphones, microphone placement, recording techniques, editing and mixing. Final project is a professional-level recording of a small ensemble or band.

MUP 748 Practicum in Instrumental Pedagogy 3
Provides advanced knowledge of and practical experience in instrumental pedagogy through an interdisciplinary approach in areas of anatomy, physiology, kinesiology, pathology, technology, psychology, and applied performance.
**Prerequisites:** MUP 651.

MUP 750 College Teaching: The Tenure Track 3
Issues related to teaching performing arts in higher education. Topics include curriculum design, teaching methods, evaluation, promotion, school/departmental structure, job searching/resume preparation, copyright, publication, etc.
**Prerequisites:** Admission to a terminal degree program in the School of Music.

MUP 750X Experimental Course 1-6
This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUP 751 Performance Studies 1-6
Performance studies instruction on principal instrument, voice, composition, or conducting.
**Prerequisites:** By audition.
**Notes:** Curricular Practical Training Required for F1 Visa Holders.

MUP 755 Orchestration 3
Advanced techniques in instrumental scoring for large ensembles such as orchestra, wind ensemble, and jazz ensemble. Historical and stylistic analysis of the art of orchestration. Additional practical exercises in scoring and arranging for small and large ensembles.

MUP 763 History of Jazz 3
Chronological survey of jazz music and jazz history. Introduction to standard reference works and investigation of socio-cultural aspects.

MUP 764 Jazz Improvisation I 2
An introduction to jazz improvisation using modal forms, blues, and ii-V-I progressions.
**Prerequisites:** Undergraduate degree in music or admission to the P.B.C. Jazz Studies.

MUP 765 Advanced Jazz Improvisation 2
Continuation of Jazz Improvisation I; focus on standards through contemporary jazz performers and composers.
**Prerequisites:** MUP 664 Jazz Improvisation I or permission of instructor.

MUP 768 Organ Literature 3
Survey of organ literature from sixteenth century to present.
**Notes:** Open to all graduate students by permission of instructor.

MUP 775 Opera Performance Techniques 2
Techniques for the singer-actor, study of the materials and nature of music theatre, and development of skills required in opera/musical theatre.
**Prerequisites:** MUP 375 and/or permission of instructor.
**Notes:** May be repeated once for credit.

MUP 783 Instrumental Literature and Performance Practice 3
Survey of solo and chamber literature from the 17th century to the present. Emphasis on historical perspectives, development of instrumental genres, performance practices, listening, and general score analysis.

MUP 786 Advanced Instrumental Conducting 3
Topics include advanced non-verbal and gestural communication concepts, methods of score study, self-evaluation and reflection, critical listening, and application of leadership skills and rehearsal techniques in varied performance settings.
**Prerequisites:** Permission of instructor.

MUP 787 Historical Performance Consort 1
Provides a setting in which music students will study principles, practices, instruments, repertoire, and current professional activities related to the historically informed performance of Western music of earlier ages, centering on the Baroque and Classical eras.

MUP 797 Directed Study in Music Performance 1-12
Supervised advanced research requiring a written document or composition.
**Prerequisites:** Permission of supervising professor. Director of Graduate Study, Dean, and School of Music Director.

MUP 799 Dissertation 1-12
**Notes:** May be repeated once for credit.

MUP 801 Thesis Extension 1-3
Thesis Extension.

MUP 802 Dissertation Extension 1-3
Dissertation Extension.