

MUSIC • MUS

Applied Music and Ensemble Courses

Admission to applied music courses is by audition only. Secondary and primary applied courses, MUS 2130-2154 and 3130-3154, are offered for 2 or 3 credits. Students who elect 2 credits will receive 30 minutes of individual instruction per week; students who elect 3 credits will receive 60 minutes of individual instruction per week. Graduate applied courses are offered for 2-6 credits.

All applied music and ensemble courses may be repeated for credit every semester.

APPLIED MUSIC COURSES

All students registering for 2130-54 and 3130-54 may be required to participate concurrently in one of the following major performing organizations: MUS 4232, 4233, 4234, 4235, 4236, 4250, 4251, 4252, 4253, 4254, or 4261.

Secondary Applied Music Courses

These courses are designed for students who are not qualified to either major or minor in the specific instrument designated by the course number.

- 2130 Secondary Voice (2-3)
- 2131 Secondary Piano (2-3)
- 2132 Secondary Harpsichord (2-3)
- 2133 Secondary Organ (2-3)
- 2134 Secondary Harp (2-3)
- 2135 Secondary Violin (2-3)
- 2136 Secondary Viola (2-3)
- 2137 Secondary Cello (2-3)
- 2138 Secondary String Bass (2-3)
- 2139 Secondary Flute (2-3)
- 2140 Secondary Oboe (2-3)
- 2141 Secondary Clarinet (2-3)
- 2142 Secondary Saxophone (2-3)
- 2143 Secondary Bassoon (2-3)
- 2144 Secondary Trumpet (2-3)
- 2145 Secondary French Horn (2-3)
- 2146 Secondary Euphonium (2-3)
- 2147 Secondary Trombone (2-3)
- 2148 Secondary Tuba (2-3)
- 2149 Secondary Percussion (2-3)
- 2151 Secondary Composition (2-3)
- 2152 Secondary Guitar (2-3)
- 2153 Secondary Electroacoustic Composition (2-3)
- 2154 Secondary Jazz Study (2-3)

Primary Applied Music Courses

These courses are for students whose declared major or minor is the specific instrument designated by the course number.

- 3130 Primary Voice (2-3)
- 3131 Primary Piano (2-3)
- 3132 Primary Harpsichord (2-3)
- 3133 Primary Organ (2-3)
- 3134 Primary Harp (2-3)
- 3135 Primary Violin (2-3)
- 3136 Primary Viola (2-3)
- 3137 Primary Cello (2-3)
- 3138 Primary String Bass (2-3)
- 3139 Primary Flute (2-3)
- 3140 Primary Oboe (2-3)
- 3141 Primary Clarinet (2-3)
- 3142 Primary Saxophone (2-3)
- 3143 Primary Bassoon (2-3)
- 3144 Primary Trumpet (2-3)
- 3145 Primary French Horn (2-3)
- 3146 Primary Euphonium (2-3)
- 3147 Primary Trombone (2-3)
- 3148 Primary Tuba (2-3)
- 3149 Primary Percussion (2-3)
- 3151 Primary Composition (2-3)
- 3152 Primary Guitar (2-3)
- 3153 Primary Electroacoustic Composition (2-3)
- 3154 Primary Jazz (2-3)

Graduate Applied Music Courses

- 7030 Graduate Voice (2-6)
 - 7031 Graduate Piano (2-6)
 - 7032 Graduate Harpsichord (2-6)
 - 7033 Graduate Organ (2-6)
 - 7034 Graduate Harp (2-6)
 - 7035 Graduate Violin (2-6)
 - 7036 Graduate Viola (2-6)
 - 7037 Graduate Cello (2-6)
 - 7038 Graduate String Bass (2-6)
 - 7039 Graduate Flute (2-6)
 - 7040 Graduate Oboe (2-6)
 - 7041 Graduate Clarinet (2-6)
 - 7042 Graduate Saxophone (2-6)
 - 7043 Graduate Bassoon (2-6)
 - 7044 Graduate Trumpet (2-6)
 - 7045 Graduate French Horn (2-6)
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- 7046 Graduate Euphonium (2-6)
- 7047 Graduate Trombone (2-6)
- 7048 Graduate Tuba (2-6)
- 7049 Graduate Percussion (2-6)
- 7051 Graduate Composition (2-6)
- 7052 Graduate Guitar (2-6)
- 7053 Graduate Electroacoustic Composition (2-6)
- 7054 Graduate Jazz Study (2-6)
- 7055 Graduate Collaborative Keyboard (2-6)

ENSEMBLE COURSES

Admission to ensemble courses is by audition only, with the exception of 4230, 4232, and 4233. These courses are open to all students, including freshmen and sophomores. Courses marked with an asterisk () will satisfy the major ensemble requirement.*

- 4220 Piano Ensemble (1) *May be repeated for a max. of 2 sem. hrs. for degree credit.*
- 4221 Vocal Chamber Music (1)
- 4222 Woodwind Chamber Music (1)
- 4223 Brass Chamber Music (1)
- 4224 String (or Piano and Strings) Chamber Music (1)
- 4225 Collegium Musicum (1)
- 4226 Percussion Ensemble (1)
- 4227 Marimba Ensemble (1)
- 4228 Contemporary Music Ensemble (1)
- 4229 Harp Ensemble (1)
- 4230 Gospel Choir (1)
- 4231 Swing Choir (1)
- *4232 Men's Chorus (1)
- *4233 Women's Chorus (1)
- *4234 University Chorus (0-1)
- *4235 Chamber Choir (1)
- *4236 A Cappella Choir (1)
- 4240 Opera Chorus (1)
- *4250 Tiger Marching Band (1)
- *4251 Wind Ensemble (0-1)
- *4252 Symphonic Band (0-1)
- *4253 Jazz Band (1)
- *4254 Symphonic Winds (0-1)
- 4255 Chamber Jazz (1)
- 4260 Philharmonia (1)
- *4261 Symphony Orchestra (0-1)

GENERAL COURSES

General education courses are marked with stars (★).

- 1001, 1002 Voice Class (2,2) *Open to nonmusic majors with consent of instructor.* Group instruction in voice production.
- 1010 In Concert (1) *2 hrs. lab. May be taken for a max. of 3 hrs. of credit.* An elective course open to all University students; designed to develop proper audience etiquette and to expose students to a wide variety of music performances.
- 1018 Diction for Singers I (1) *2 hr. lab.* Entry level course covering pronunciation of Latin and Italian for singing. Utilizing the International Phonetic Alphabet, pronunciation concepts will be supported by recitation and performance of representative song repertoire. Required of all vocal music education and voice performance majors.
- 1019 Diction for Singers II (1) *2 hr. lab.* Entry level course covering pronunciation of German and French for singing. Utilizing the International Phonetic Alphabet, pronunciation concepts will be supported by recitation and performance of representative song repertoire. Required of all vocal music education and voice performance majors.
- 1020 Performance Craft for Singers (1) *Preparatory for MUS 4240. May be taken for a max. of 2 hrs. of credit. Required of all voice performance majors.* Workshop exploring performing artistry for the singer through individual coaching and class exercises such as movement, dance, and improvisation; stage terms, stage deportment, and stage etiquette; performance anxiety.
- 1108, 1109 Piano Class (2,2) *MUS 1108 or consent of instructor is prerequisite for 1109. Open only to nonmusic majors.* Instruction for the beginner and lower intermediate student.
- 1130, 1131, 1132, 1133 Group Piano I, II, III, IV (1 each) *Open only to music majors. Required of all nonkeyboard music majors who do not meet proficiency requirements.* Functional use of the piano.
- 1700 Recital Hour (0) *May be repeated. Pass-fail grading.* Weekly student recital and music seminar.
- 1731, 1732 Introduction to Music Study I, II (4,4) *3 hrs. lecture; 2 hrs. lab. Grade of "C" or better in 1731 required for registration in 1732.* Fundamental elements of music from historical, cultural, and theoretical perspectives; development of skills in reading, notating, and listening to music; cultivation of studying and writing skills.
- 1733 HONORS: Introduction to Music Study II (4) *Same as MUS 1732, with special honors emphasis for qualified students.*
- ★ 1751 Music Appreciation (3) *Primarily for nonmusic majors. Credit will not be given for this course and MUS 1755.* The art of music, with emphasis on listening skills; a nontechnical approach to understanding vocabulary and materials of music; correlation of musical literature with other disciplines in the humanities.
- ★ 1755 HONORS: Music Appreciation (3) *Primarily for qualified students not majoring in music. Credit will not be given for this course and MUS 1751 or 1752.* Study of the musical art emphasizing the development of critical listening skills and a non-technical, but thorough musical vocabulary; additional emphasis placed on the historical correlation of both vernacular and art music to corresponding developments in the other fine arts disciplines.
- ★ 1799 Rudiments of Music (3) *Not open to music majors.* The grammar of music, including basic notation and elementary construction leading to a study of tonal harmony.
- 1800 Technology in Music Education (2) *Music majors only.* Introduction to the uses of technology in school music programs; includes discussion of the role and application of technology in K-12 school music settings.
- ★ 2000 History of Jazz (3) *Open to nonmusic majors.* Survey of the evolution of jazz and jazz styles.
- 2018 Diction for Singers III (1) *Required of all voice performance majors.* Advanced study of phonetics and pronunciation for German and French songs; utilizing the International Phonetic Alphabet; pronunciation concepts supported by recitation and performance of representative song repertoire.
- 2019 Diction for Singers IV (1) *1 hr. lecture; 1 hr. lab.* The phonetic alphabet and French diction.
- ★ 2053 Survey of Music History I (3) *Prereq.: grade of "C" or better in MUS 1732 or 1733.* Music of Western Civilization to ca. 1750.
- ★ 2054 Survey of Music History II (3) *Prereq.: grade of AC or better in MUS 1732 or 1733.* Music of Western Civilization from ca. 1750 to the present.
- 2170 Music Education in the Elementary School I (3) *Music fundamentals, materials, methods, and skills involved in teaching general music in the elementary school.*
- 2175 Beginning Folk Guitar (3) *Beginning level performance class; emphasis on literature and techniques used in the performance of folk music; basic music theory analysis.*
- 2300 Instrumental and Vocal Techniques (1-2) *May be repeated for credit. For prospective secondary school teachers of music. 2 hrs. lecture; 1 hr. lab. Woodwind and brass techniques for instrumental majors, and instrumental and choral techniques for vocal majors each may be taken for 2 hrs. of credit; percussion, strings, and voice for instrumental majors may be taken for 1 hr. of credit only.* Development of fundamental skills in wind, string, and percussion instruments and voice.
- 2400 Jazz Fundamentals for Teachers (1) *For music education majors only.* Basic jazz techniques and concepts necessary for jazz ensemble and jazz combo instruction in secondary school settings.
- 2731, 2732 Music Theory I, II (4,4) *Prereq.: grade of "C" or better in MUS 1732 is prerequisite for MUS 2731; grade of "C" or better in MUS 2731 is prerequisite for MUS 2732. 3 hrs. lecture; 2 hrs. lab.* Basic tonal harmony and voice leading, phrase structure, analysis of musical form and genre; sight-singing and keyboard harmony skills, melodic and harmonic dictation.

- 2733, 2734 HONORS: Music Theory I, II (4,4)** Same as MUS 2731, 2732, with special honors emphasis for qualified students.
- 2741 Composition Techniques I (2-3)** Prereq.: permission of instructor. May be taken for a max. of 9 sem. hrs. of credit. Development of basic skills in composition; analysis and audition of selected scores.
- 2751 Jazz Improvisation I (2)** Prereq.: MUS 2732 or equivalent. Introductory performance course in jazz improvisation; emphasis on its theoretical basis.
- 2752 Jazz Improvisation II (2)** Prereq.: MUS 2751 or sight-reading. Continuation of MUS 2751.
- 3000 HONORS in Music (1-4)** Prereq.: junior standing. May be taken for a max. of 6 sem. hrs. of credit. Preparation of an honors project.
- 3018 Vocal Pedagogy (3)** Prereq.: 12 sem. hrs. of applied voice study. Principles and processes of voice production; psychology of teaching and studying singing; beginning comparative pedagogy; vocal repertoire for the beginning singer.
- 3020 American Musical Theatre (3)** See THTR 3020.
- 3334, 3335 Group Piano V, VI (1,1) 2 hrs. lab.**
Functional keyboard skills for rehearsing and accompanying vocal ensembles and soloists; includes sight-reading, score reading, accompanying, playing vocal warm-ups, and coaching piano/vocal ensembles.
- 3703 Theory Survey (2)** Admission by placement examination. 2 hrs. lecture; 1 hr. lab. Written aspects of theory.
- 3704 Theory Survey: Aural Skills (1)** Admission by placement examination. 2 hrs. lab. Dictation and sight singing.
- 3710 Overview of Western Music History (3)** Survey of Western classical music from the Middle Ages to the present day.
- 3731, 3732 Music Theory III, IV (3,3)** Prereq.: grade of "C" or better in MUS 2732 is prerequisite for MUS 3731; grade of "C" or better in MUS 3731 is prerequisite for MUS 3732. Advanced tonal harmony; continued form and genre study; post-tonal compositional techniques; basic scoring and score reading; continued mastery of relevant musicianship skills.
- 3745 Introduction to Computer Music (3)** Introduction to techniques and technologies in computer music; principles of digital audio, sound design, music synthesis, signal processing, and sound art composition.
- 3749 Choral Literature and Conducting I (2)** 1 hr. lecture, 2 hrs. lab. Elements of conducting choral groups.
- 3750 Choral Literature and Conducting II (2)** Prereq.: MUS 3749 or equivalent. 1 hr. lecture, 2 hrs. lab.
Continuation of MUS 3749.
- 3757, 3758 Organ Literature, History, and Design (3,3)** MUS 3757 is prerequisite for 3758. Evolution and development of the organ and its literature; development of keyboard (organ) forms, techniques, and idiomatic styles; organ mechanism and action; tonal structure; design problems.
- 3771 Instrumental Conducting I (2)** Elements of conducting instrumental groups.
- 3772 Instrumental Conducting II (2)** Prereq.: MUS 3771 or equivalent. 1 hr. lecture; 2 hrs. lab. Continuation of MUS 3771.
- 3997 Directed Studies in Music (1-3)** Prereq.: consent of departmental faculty concerned and dean of the School of Music. May be taken for a max. of 6 sem. hrs. of credit. MUS 3997 cannot be used in lieu of a required course in any School of Music curriculum.
- 4000 Music Workshops (1-3)** Su only May be repeated for credit when topics vary. Topics announced in advance.
- 4005 Fundamentals of Musical Theatre Singing: Technique and Repertoire (1)** Prereq.: permission of instructor. May be taken for a max. of 2 hrs. of credit. Fundamentals of musical theatre style singing and repertoire; emphasis on vocal and stage performance of literature appropriate to the singer.
- 4020 Introduction to the Alexander Technique (1)** 2 hrs. lab. Employing the basic principles of the Alexander Technique; students will begin the process of psycho-physical re-education through experimental movement exercises and hands-on work with the instructor.
- 4030 Meditation for Performers (1)** 2 hrs. lab. Not for graduate credit. Pass/fail grading. Exploration of the various traditions, techniques, and objectives of meditation as they apply to the practice of music.
- 4101 Piano Accompanying (1)** Open to pianists by permission of instructor. Course may be repeated for a max. of 4 sem. hrs. of credit. Individual projects in principles and practical applications of accompanying.
- 4120 Reed Making for Double Reed Majors (1)** 1 hr. lab. Recommended for all oboe and bassoon majors. May be taken for a max. of 8 sem. hrs. but with a max. of 2 hrs. credit towards any degree. Principles of double-reed making with development of individual skill and application of reed making and finishing.
- 4124 String Literature (2)** Prereq.: 12 sem. hrs. of applied string instrument study or consent of instructor. May be repeated once. Independent study in solo and ensemble literature for stringed instruments.
- 4126 Woodwind Literature (2)** Prereq.: 12 sem. hrs. of applied wind instrument study or consent of instructor. May be repeated once. Independent study in solo and ensemble literature for woodwind instruments.
- 4128 Brass Literature and Pedagogy (2)** Prereq.: 12 sem. hrs. of applied brass instrument study or consent of instructor. May be repeated once. Independent study in solo and ensemble literature and methods and materials for instruction in brass instruments.
- 4130 Percussion Literature and Pedagogy (2)** Prereq.: 12 sem. hrs. of applied percussion instrument study or consent of instructor. May be repeated once. Independent study in solo and ensemble literature and methods and materials for instruction in percussion instruments.
- 4172 Stringed Instrument Pedagogy (2)** Prereq.: 12 sem. hrs. of applied string instrument study or consent of instructor. Independent studies in methods and materials for instruction in stringed instruments.
- 4173 Woodwind Instrument Pedagogy (2)** Prereq.: 12 sem. hrs. of applied wind instrument study or consent of instructor. Independent studies in methods and materials for instruction in woodwind instruments.
- 4215 Music Technology I (3)** 3 hrs. lab. For majors only or by consent of instructor. Fundamentals of computer applications for educational uses in music; historical and social contexts of computer development; fundamentals in computer systems; configuring hardware; survey of commercial music software; and use of software applications.
- 4216 Music Technology II (3)** Prereq.: MUS 4215 or equivalent. 3 hrs. lab. Application of hardware and software unique to music applications: notation, sequencing, technological applications of digital audio, video and acoustical sound specifically applied to the music education environment.
- 4241 Opera Theater (2)** Admission by audition. 4 hrs. lab plus individual coaching. May be taken for a max. of 8 hrs. of credit toward the master's degree. May not be taken concurrently with MUS 9007. Students must schedule this course both fall and spring semesters, unless permission to schedule only one semester is granted by the instructor. Techniques of the musical theater; preparation and performance of operatic scenes and complete operas.
- 4242 Acting for Opera (1-2)** Prereq.: permission of instructor. May be taken for a max. of 4 sem. hrs. of credit. Techniques of acting for opera; training in audition skills, stage movement, state makeup, and vocal and dramatic techniques for operatic roles.
- 4351 Song Literature I (2)** The art song repertoire from the classical songs of Haydn and Mozart to the Romantic period.
- 4352 Song Literature II (2)** The art song repertoire from the French maelodie to contemporary English and American song.
- 4400 Orchestral Repertoire for Instrumentalists (1)** Prereq.: Permission of instructor. May be taken for a max. of 3 sem. hrs. of credit. Standard orchestral excerpt repertoire for instrumentalists, including: preparation; score study and analysis; specialized practice techniques; and audition strategies. Emphasis on the performance of orchestral excerpts.
- 4500 Musical Theatre Production (1-3)** Also offered as THTR 4500. Admission by audition. May be taken for a max. of 4 sem. hrs. of credit toward any degree. Techniques of musical theatre production, including all production aspects, preparation aspects, preparation and performance of musical scenes and complete shows.
- 4701, 4702 Organ Practicum (2,2)** Prereq.: consent of instructor. MUS 4701 is prerequisite for 4702. Techniques of service playing; techniques and materials of organ pedagogy.
- 4703 The Scientific Bases of Music (2)** Musical acoustics; nature and generation of sound; computation of intervals and scales within various systems of tuning and temperament.
- 4710 Advanced Aural Skills (3)** Prereq.: a grade of "C" or better in MUS 3731. Concentrated work in sight singing with a special emphasis upon skills needed for professional activity in performance, conducting and composition.
- 4712 Advanced Form and Analysis (3)** Prereq.: a grade of "C" or better in MUS 3732. Complex forms and harmonic techniques of the 19th century to the present.
- 4718 Styles and Practices of Beethoven and the Romantics (3)** Prereq.: a grade of "C" or better in MUS 3732. Tonality, harmony, and form in music of the Romantic period; analysis of selected literature and creative writing in the Romantic style.
- 4719 Styles and Practices of the Late Romantics and Transition to the Modern Era (3)** Prereq.: a grade of "C" or better in MUS 3732. Tonality, harmony, and form from Wagner through the Impressionistic period; analysis of selected literature and creative writing in Ultra-Chromatic and Impressionistic styles.
- 4720 Post-Tonal Styles and Practices (3)** Prereq.: a grade of "C" or better in MUS 3732. Study of principal currents of musical composition in the modern era; analysis of selected works and creative application of techniques, procedures, and formal schemes studied.
- 4721 Modal Counterpoint (3)** Prereq.: grade of "C" or better in MUS 2732 or equivalent. Writing and analysis of contrapuntal music with modal bases.
- 4723 Tonal Counterpoint (3)** Prereq.: grade of "C" or better in MUS 2732 or equivalent. Writing of counterpoint in two and three parts to a given cantus firmus; imitative contrapuntal forms such as the invention and the fugue.
- 4730 Elementary Orchestration (2)** Prereq.: grade of "C" or better in MUS 2732. Traditional scoring practices.
- 4731 Intermediate Orchestration (2)** Prereq.: MUS 4730. Orchestrating for full orchestra including extraordinary instruments; avant-garde orchestral practice.
- 4735 Jazz Arranging (2)** Prereq.: MUS 3732 or consent of instructor. Jazz arranging styles and techniques, from Dixieland to modern jazz.
- 4740 Business of Music (2)** Surveys of contracts, legalities, economics, and production planning as they relate to performers, teachers, and composers of music in the fields of recording, concerts, publishing, broadcasting, motion pictures, and musical theater; copyright, performance rights societies, unions, and guilds.
- 4745 Computer Music (3)** May be taken for a max. of 6 hrs. of credit when topics vary. Digital sound design, sound synthesis, and signal processing; electroacoustic music composition using computers and computer music techniques.

4746 Seminar in Computer Music and Digital Media (3) Prereq.: MUS 4745 or consent of instructor. May be taken for a max. of 6 hrs. of credit when topics vary. Focused study of various topics in computer music and digital media such as computer music programming, sound diffusion techniques, interactive computer music and digital media systems, intermedia applications, analysis of computer music.

4747 Music, Technology, and Society (3) History and critical study of the impact of electronics and recording technologies on the creation and performance of music, and its subsequent impact on the role of music in society.

4749 Seminar in Music History (3) Prereq.: grade of "C" or better in MUS 2053 and 2054 or equivalent or permission of instructor. May be taken for a max. of 6 sem. hrs. credit when topics vary.

4750 Music of the Middle Ages and the Renaissance (3) Prereq.: grade of "C" or better in MUS 2053 and 2054 or consent of instructor. The history of music from ca. 800 to 1600.

4753 Folk and Traditional Music: Music History and Literature (2) Background and history of folk and traditional music; emphasis on Anglo-American folk songs.

4757 Piano Literature I (3) A survey of the keyboard repertoire from the late renaissance through Haydn and Mozart.

4758 Piano Literature II (3) A survey of piano literature from Beethoven to the present.

4761, 4762 The Care and Repair of Band and Orchestral Instruments (1,1) Prereq.: MUS 2300 or equivalent. 2 hrs. lab. For students with experience in instrumental music and a practical knowledge of the problems in instrumental upkeep.

4763, 4764 Piano Methods and Materials (3,3) Materials and techniques for the piano teacher.

4766 Marching Band Techniques (3) Charting techniques for marching band; emphasis on contemporary drill design; practical projects in charting drill.

4767 Piano Design, Construction, and the Theory of Tuning and Temperament (2) 1 hr. lecture; 2 hrs. lab. Open only to music majors. Piano and harpsichord design, construction, regulation, voicing, and tunings; knowledge important to pianists; laboratory experience in regulation, tuning, and voicing.

4769, 4770 Supervised Studio Instruction (2,2) Program tailored to needs of each student by the major applied teacher who supervised the student's studio teaching program.

4772 Harp Technology and Maintenance (2) Required of all harp majors. Individual projects and study of harp history and development, design and regulation.

4773 Orchestral Repertoire for Harp (1) Required of all harp majors. May be taken for a max. of 8 hrs. of credit. Independent study of major orchestral excerpts; includes audition preparation.

4774 Harp Pedagogy (2) Required of all harp majors. Independent studies in materials and methods for the harp teacher.

4791 Introduction to Opera (3) Open to majors and nonmajors. History, production, and performance of opera from 1600 to the present.

4796 Senior Project in Music Theory (2) A written project on an approved topic in music theory. Required of all theory emphasis students in the composition curriculum.

4797 Senior Recital (1-3) May be taken for a max. of 3 sem. hrs. of credit.

4798 Senior Composition Recital (1) Pass-fail grading. Concert of solo and chamber works.

4799 Coaching in Applied Music (2) Open to music students with the recommendation of the appropriate applied music faculty. May be repeated for credit. Max. amount of credit applicable toward a degree is 6 sem. hrs.

4901 Basic Techniques of Audio Recording (3) Basic properties of audio and various forms of sound energy; analysis of complete audio systems for recording and sound reinforcement and individual system components; aspects of stereo concert recording; emphasis on microphone placement techniques; professional music production techniques, including editing and tape duplication.

7011 Keyboard Skills for Pianists (1) Techniques of accompanying, including sight-reading, score reading, transposition, and harmonization.

7018 Advanced German Diction for Singers (1) 1 hr. lecture; 1 hr. lab. The rules of pronunciation utilizing the International Phonetic Alphabet; coaching in the Lied and operatic literature including spoken dialogue.

7019 Advanced French Diction for Singers (1) 1 hr. lecture; 1 hr. lab. The rules of pronunciation utilizing the International Phonetic Alphabet; coaching in the French art song and operatic literature.

7020 Advanced Italian Diction for Singers (1) 1 hr. lecture; 1 hr. lab. The rules of pronunciation utilizing the International Phonetic Alphabet; coaching in operatic and song literature; some outside research expected.

7124 Seminar in String Literature (2) Methods, solos, and chamber music for strings.

7126, 7127 Seminar in Woodwind Literature I, II (2,2) Methods, solos, and ensemble literature for woodwinds.

7128 Seminar in Brass Literature (3) Methods, solos, and ensemble literature for brass instruments.

7130 Seminar in Percussion Literature (2) Methods, solos, and ensemble literature for percussion instruments.

7160 Survey of Jazz Styles (3) In-depth investigation of the American Jazz idiom from the perspective of historical jazz periods and specific artists.

7170 Advanced Vocal Pedagogy (2) Fundamentals of anatomy, physiology, and acoustics of voice production; emphasis on vocal registers, breath management, and articulation; pedagogical philosophies used to train the classical singing voice in the Western tradition of art song and opera.

7172 Stringed Instrument Pedagogy (2) Methods and materials for instruction in string instruments.

7173 Woodwind Instrument Pedagogy (2) May be taken for a max. of 2 hrs. of credit for the MM and 2 hrs. of credit for the DMA or PhD. Independent studies in the methods and materials for instruction in woodwind instruments.

7174 Brass Instrument Pedagogy (2) Methods and materials for instruction in brass instruments.

7175 Percussion Instrument Pedagogy (2) Methods and materials for instruction in percussion instruments.

7176 Jazz Pedagogy (3) Pedagogical issues in jazz idiom including effective jazz ensemble directing, selection of appropriate repertoire, improvisational performance practices, effective jazz practice habits, and concepts designed to foster creativity.

7217 Music Technology III (3) Prereq.: MUS 4215, 4216 or equivalent. Production of technological products for music education; theoretical foundations and research; implementation and evaluation of products in an educational setting.

7221 Solo Literature for the Voice (3) Prereq.: MUS 4351 and 4352; or equivalent. Solo vocal literature in German and French; emphasis on styles of performance.

7222 Solo Literature for the Voice (3) Prereq.: MUS 4351 and 4352; or equivalent. Solo vocal literature by English, American, Italian, Scandinavian, Eastern European, Russian, Spanish, and Latin American composers; emphasis on styles of performance.

7270 Historical Perspectives of Voice (3) Development of vocal technique and pedagogical thought from the late 17th century to the present; definition of the *bel canto* style; historical schools of vocal training; examination of historical writings by Tosi, Mancini, Garcia, Marchesi, Vennard, and other individuals of primary historical eminence.

7271 Principles of Voice Production (3) Prereq.: COMD 4250 and 4153. Anatomy and physiology of the respiratory, phonatory, and articulatory systems used in the production of the human voice; theories of phonation; acoustics of the vocal tract; laryngeal biomechanics; control of fundamental frequency and loudness; study of life-span changes of the voice and care of the human voice.

7272 Comparative Vocal Pedagogy (2) Prereq.: MUS 7170 or equivalent. Techniques for teaching collegiate level applied voice; studio structure and management.

7500 Advanced Teaching Practicum (1-2) Prereq.: MUS 4769 and 4770; or equivalent. May be repeated for credit. A total of 3 sem. hrs. is applicable to the MM degree. Supervised teaching internship of instrumental and/or vocal instruction in private and/or group settings.

7501 Piano Pedagogy and Literature I (2) Prereq.: MUS 4763 and 4764; or equivalent. Piano methods and literature at the elementary and intermediate levels.

7502 Piano Pedagogy and Literature II (2) Prereq.: MUS 4763 and 4764; or equivalent. Piano methods and literature at the intermediate and advanced levels.

7521 Instrumental Accompanying (2) May be repeated for a max. of 4 sem. hrs. of credit. Repertoire and techniques of accompanying for instrumental genres.

7522 Vocal Accompanying (2) May be repeated for a max. of 4 sem. hrs. of credit. Repertoire and techniques of accompanying for vocal genres.

7570 College Teaching in Music (3) History of music in higher education; current issues, problems, and techniques of college teaching in music; development of effective college-level teaching skills.

7600 Sources of Music Study & Research (3) Also offered as LIS 7810. Focuses on finding, evaluating, using, and citing materials in print, online, and recorded sources for music research.

7700 Survey of Analytical Techniques (3) Prereq.: MUS 3703 and 3704 or passing of the Music Theory Diagnostic Examination. Survey of analytical tools and concepts for common practice and post-tonal practice.

7701 Pedagogy of Music Theory (3) Prereq.: MUS 3703 and 3704 or successful passing of the Music Theory Diagnostic Examination. Techniques for teaching undergraduate music theory and aural skills courses; comparisons of principal philosophies and textbooks.

7703 Contemporary Musical Practices (3) 6 sem. hrs. applicable to the MM degree when topics vary; 6 additional sem. hrs. applicable to the DMA degree when topics vary. Compositional trends in contemporary music; discussion of books on composition; analysis of major compositions.

7704 Studies in Schenkerian Analysis (3) Prereq.: MUS 3703 and 3704 or successful passing of the Music Theory Diagnostic Examination. May be taken for a max. of 6 sem. hrs. of credit; 3 sem. hrs. applicable to MM degree; 3 additional hrs. applicable to PhD or DMA degrees. Ideas and practices of tonal theorist Heinrich Schenker; their effect on musical thought and performance in this century.

7710 Theory and Analysis of Tonal Music (3) Prereq.: MUS 3703 and 3704 or successful passing of the Music Theory Diagnostic Examination. Readings and practice in various approaches to the analysis of music of the tonal era (ca. 1600-1900).

7711 Seminar in Post-Tonal Musical Analysis (3) Prereq.: MUS 3703 and 3704 or successful passing of the Music Theory Diagnostic Examination. May be taken for a max. of 6 hrs. of credit when topics vary. Analytical study of specific composers, works, or styles.

7712 Advanced Modal Counterpoint (3) Prereq.: MUS 3703 and 3704 or successful passing of the Music Theory Diagnostic Examination. Writing exercises and composing works in two, three, and more voices in the style of Palestrina, Lassus, Victoria, and their contemporaries; analysis of representative compositions; survey of theoretical treatises of the time.

7714 Advanced Tonal Counterpoint (3) Prereq.: MUS 3703 and 3704 or successful passing of the Music Theory Diagnostic Examination. Writing exercises and composing works in three, four, and more voices in the style of J. S. Bach and his contemporaries; analysis of representative compositions; survey of contemporary theoretical treatises.

7721 Survey of Choral Literature I (3) A survey of choral literature beginning with Gregorian Chant and ending with the Baroque period of music, with emphasis on preparation for performance.

7722 Survey of Choral Literature II (3) A survey of choral literature beginning with the Classical period and ending with contemporary music for chorus, with emphasis on preparation for performance.

7723 Survey of Wind Literature I (2) A survey of chamber wind literature (6 to 20 performers) from the late Renaissance to the present.

7724 Survey of Wind Literature II (2) A survey of orchestra, large wind ensemble, and large wind band literature (more than 20 performers) from the French Revolution to the present.

7725 Survey of Symphonic Literature I (2) A survey of orchestral works beginning with the Baroque period of music and ending with the early Romantic; emphasis on preparation for performance.

7726 Survey of Symphonic Literature II (2) A survey of orchestral works beginning with the Romantic period and ending with 20th century music for orchestra, with emphasis on preparation for performance.

7741 History of Music Theory I (3) Prereq.: MUS 3703, 3704, and 3710 or successful passing of the Music Theory and Music History Diagnostic Examinations. History of technical writings on music, ca. 500-1600; acoustics, notes, and scales, intervals, tuning systems, modes, counterpoint, mensuration, musical poetics, speculative theory.

7742 History of Music Theory II (3) Prereq.: MUS 3703, 3704, and 3710 or successful passing of the Music Theory and Music History Diagnostic Examinations. Music theory from ca. 1600 to 1900; development of species counterpoint and figured bass theory; the rise of harmonic theory and rhythmic/phrase analysis; 19th-century expansions of harmonic theory and formal analysis.

7745 Advanced Computer Music (3) Prereq.: MUS 4745, or consent of instructor. Advanced techniques in digital sound synthesis and composition; analysis/resynthesis techniques, granular synthesis, physical modeling, interactive computer music performance, and algorithmic composition using computers; survey of representative music from the genre.

7746 Graduate Seminar in Computer Music and Digital Media (3) Prereq.: MUS 7745 or consent of instructor. May be taken for a max. of 6 hrs. of credit when topics vary. Focused study of various topics in computer music such as development of new computer music systems, interactive computer music, multimedia composition, alternative human-computer interfaces for music, sound installations, and advanced analysis of computer music.

7747 History of Electroacoustic Music (3) The history of electroacoustic music; developments in technology, aesthetics, and style since ca. 1900 to present; survey and analysis of representative music from the genre.

7749, 7750 Special Studies in Piano Literature (3,3) Each course may be taken for a max. of 6 hrs. of credit when topics vary. Total amount of credit applicable to MM degree limited by student's advisory committee. Works of certain composers for the keyboard, such as selected concertos.

7751 Ancient and Medieval Music (3) Prereq.: MUS 3710 or successful passing of the Music History Diagnostic Examination. History of music from ancient Greeks and Hebrews through the 14th century.

7752 Music of the Renaissance (3) Prereq.: MUS 3710 or successful passing of the Music History Diagnostic Examination. Music of the 15th and 16th centuries.

7753 Music in the Baroque Era (3) Prereq.: MUS 3710 or successful passing of the Music History Diagnostic Examination.

7754 Music in the Classical Era (3) Prereq.: MUS 3710 or successful passing of the Music History Diagnostic Examination.

7755 Music in the Romantic Era (3) Prereq.: MUS 3710 or successful passing of the Music History Diagnostic Examination.

7756 Music in the Modern Era (3) Prereq.: MUS 3710 or successful passing of the Music History Diagnostic Examination.

7757 American Music (3) Prereq.: MUS 3710 or successful passing of the Music History Diagnostic Examination. The most important phases in development of music in the U.S.

7760 Performance Practices (3) Prereq.: MUS 3710 or successful passing of the Music History Diagnostic Examination. Primary and secondary source materials dealing with the performance of music in the 17th and 18th centuries; their application to the interpretation of music.

7762 Measurement and Evaluation in Music (3) Teacher-designed and standardized tests in music; learning theories.

7763, 7764 Comparative Methods in Music Education (3,3) Techniques in teaching music; functional projects; approaches and texts evaluated with emphasis on curriculum construction; 7763 deals with elementary grades, 7764 with secondary.

7765 Philosophical Bases for Music Education (3) Various philosophical bases for music education including their origin, function, development, and implementation.

7766 Current Issues in Music Education (3) Develop broad perspectives from a multi-faceted review of issues affecting music education practice. Examine important contexts from which effective teachers make informed decisions.

7767 Experimental Research in Music (3) Prereq.: ELRC 4006 and MUS 7905. Primarily for doctoral students in music. Systematic investigation of musical behavior and music learning; collection, quantification, and treatment of data; current research.

7771, 7772 Advanced Choral Conducting (3,3) Prereq.: previous study of conducting. Each course may be taken once for the MM and once for the DMA or PhD. Independent study of the techniques required to conduct all styles of choral music with emphasis on score analysis and performance practices.

7773, 7774 Advanced Band Conducting (3,3) Prereq.: previous study of conducting. Each course may be taken once for the MM and once for the DMA or PhD. Independent study of the techniques required to conduct all styles of wind music with emphasis on score analysis and performance function.

7775, 7776 Advanced Orchestral Conducting (3,3) Prereq.: previous study of conducting. Each course may be taken once for the MM and once for the DMA or PhD. Independent study of the techniques required to conduct all styles of symphonic music, with emphasis on score analysis and performance practices.

7777, 7778 Advanced Keyboard Literature I, II (3,3) Prereq.: MUS 4757, 4758; or equivalent. Each course may be taken twice; once for the MM and once for the DMA. Genres and styles from earliest examples of keyboard literature through the most recent trends.

7797 Master's Pedagogy Project (2) Pass-fail grading. Completion of a 45-minute oral presentation and short supporting paper on a pedagogical topic.

7798 Master's Recital (1-3) Prereq.: MUS 4797 or equivalent. May be taken for a max. of 3 sem. hrs. of credit.

7799 Advanced Coaching in Applied Music (2) May be repeated for credit. Max. amount of credit applicable toward a degree is 4 sem. hrs.

7800 Introduction to Research in Music (3) Required of all doctoral students; recommended for master's students who will write theses. Development of music research skills including knowledge of research resources and materials; use of library facilities; practice in a clear and logical writing style; and use of wide variety of methodologies and modes of inquiry.

7801 Psychology of Music (3) Physical and psychological bases of musical phenomena including physical properties of sound production, transmission, reception, and perception; affective, physiological, and cognitive responses to musical stimuli; and learning theories as related to musical development, ability, and preference.

7901 Composition (1-3) Individual instruction for graduate composition. Participation in the Composer's Forum is considered part of the course work and is, therefore, required. May be repeated for credit.

7903, 7904 Seminar in Music History (2-3,2-3) Prereq.: MUS 3710 or successful passing of the Music History Diagnostic Examination. Each course may be taken 3 times for credit when topics vary. Only 6 sem. hrs. applicable to the MM degree; only 12 additional sem. hrs. applicable to the PhD; maximum for MM and PhD combined is 18 sem. hrs.

7905, 7906 Seminar in Music Education (2-6,2-6) Each course may be taken 3 times for credit when topics vary. Only 6 sem. hrs. applicable to the MMEd degree; only 12 additional sem. hrs. applicable to the PhD; maximum for MMEd and PhD combined is 18 sem. hrs.

7921 Seminar in Music Theory (3) Prereq.: MUS 3703 and 3704 or successful passing of the Music Theory Diagnostic Examination. May be taken for a max. of 6 sem. hrs. of credit applicable to the MM degree when topics vary and only 12 additional sem. hrs. of credit applicable to the PhD when topics vary. Maximum for MM and PhD combined is 18 sem. hrs. of credit.

7928, 7929 Seminar in Choral Repertoire (3) Each course may be taken 3 times for credit when topics vary. Only 6 sem. hrs. applicable to the MM degree; only 12 additional sem. hrs. applicable to the DMA; maximum for MM and DMA combined is 18 sem. hrs.

7997 Individual Projects in Music (1-3) Prereq.: consent of departmental faculty concerned and dean of the School of Music. May be repeated for credit as follows: for master's degree, 3 sem. hrs.; for doctoral degree, 6 sem. hrs. beyond the master's or a total of 9 sem. hrs. if both master's and doctoral totals included.

7998 Special Topics in Music (2-3) May be taken for a max. of 9 hrs. of credit when topics vary. Advanced studies in individual subject areas of music.

8000 Thesis Research (1-12 per sem.) "S"/"U" grading.

9000 Dissertation Research (1-12 per sem.) "S"/"U" grading.

9001 Doctoral Solo Recital (1-3) May be repeated twice (max. of 6 sem. hrs. of credit). Students specializing in organ may repeat four times (max. of 12 sem. hrs. of credit).

9002 Second Doctoral Solo Recital (1-3)

9003 Doctoral Lecture Recital (1-3) Does not fulfill final project requirement for DMA (MUS 9010).

9005 Concerto with Orchestra (1-2)

9006 Major Solo Part in an Oratorio or a Cantata (1)

9007 Doctor of Musical Arts Role in Opera (1-3) May not be taken concurrently with MUS 4241. May be repeated for credit. A max. of 4 hrs. of credit may be applied toward the DMA degree.

9008 Doctor of Musical Arts Chamber Music Recital (2) May be repeated for credit.

9009 Research and Monograph (1-12) S/U grading For DMA candidates in performance only. May be repeated until monograph is completed.

9010 Lecture Recital with Written Document (1-9) *May be repeated. Pass-fail grading.* Research, preparation, and presentation of a lecture recital and corollary written document.

9021 Seminar in Music Theory (3) *For doctoral candidates only. May be taken for a max. of 6 hrs. of degree credit.*

9758, 9759 Repertoire (3,3) *Each course may be taken for a max. of 9 hrs. of credit; however, amount of credit applicable to a degree is determined by student's advisory committee.*

9901 Doctoral Seminar in Musical Composition (1-3) *May be repeated for credit; max. amount of credit applicable to a degree is 12 sem. hrs. Participation in the Composer's Forum is part of course work.*

9925 to 9937 (Series) Seminar in Literature and Style in Performance (3 each) Historical developments of the various performance areas with concentration on their literature, important pedagogical principles, and stylistic problems related to each medium. To be given as follows:

9925, 9926 Voice

9929, 9930 Organ

9931, 9932 Strings

9935, 9936 Brass

9937 Percussion
