Admission to applied music courses is by audition only. Secondary and primary applied courses, MUS 2130-2152 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, 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)
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)

ENSEMBLE COURSES

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

4220 Piano Ensemble (1)
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)
*4254 Symphonic Winds (0-1)
4253 Jazz Band (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 hr. 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, 1019 Diction for Singers I, II (1,1) 1 hr. lecture; 1 hr. lab. Phonetics and phonemes used in singing indifferent languages; 1018 includes the phonetic alphabet and English diction; 1019 includes the phonetic alphabet and Italian diction.

1020 Performance Craft for Singers (1) Preparatory for MUS 4240. May be substituted for MUS 1018. May be taken for a max. of 2 hrs. of credit. 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.

1107 Secondary Piano (3) 2 half-hour lessons. May be taken for a max. of 6 hrs. of credit.

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 (1,1) 3 hrs. lecture; 2 hrs. lab. Credit will not be given for this course and MUS 1701, 1702, 1753, 1754, 2711, 2712, 3711. 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.

1753 Survey of Music History I (3) Some prior music experience is desirable. Music of western civilization from ca. 400 to ca. 1730.

1754 Survey of Music History II (3) Some prior music experience is desirable. Music of western civilization from ca. 1730 to the present.

★ 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.

★ 2000 History of Jazz (3) Open to nonmusic majors. Survey of the evolution of jazz and jazz styles.

2018, 2019 Diction for Singers III, IV (1,1) Phonetics and phonemes used in singing in different languages; 2018 includes the phonetic alphabet and German diction; 2019 includes the phonetic alphabet and French diction.

★ 2053 Survey of Music History I (3) Prereq.: MUS 1732 or 1733. Credit will not be given for this course and MUS 1754. Music of Western Civilization to ca. 1750.

★ 2054 Survey of Music History II (3) Prereq.: MUS 1732 or 1733. Credit will not be given for this course and MUS 1754. Music of Western Civilization from ca. 1750 to the present.

2100, 2101 Advanced Keyboard Skills I, II (1,1) Open only to keyboard majors. Functional use of the piano; emphasis on reading, harmonization, and improvisation.

2170 Music Education in the Elementary School I (3) Music fundamentals, materials, methods, and skills involved in teaching general music in the elementary school.

2171 Music Education in the Elementary School II (3) Prereq.: MUS 2170 or equivalent. Fundamentals of music theory, advanced materials, methods, and skills involved in teaching general music in the elementary school; emphasis on use of guitar to teach music lessons.

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 instrumental music. 2 hrs. lecture; 1 hr. lab. Woodwind, brass, percussion, and strings each may be taken for 2 hrs. of credit; voice may be taken for 1 hr. of credit only. Development of fundamental skills in wind, string, and percussion instruments and voice.

2731, 2732 Music Theory I, II (4,4) Prereq.: Grade of “C” or better in MUS 1732 or equivalent. 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 equivalent. 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.

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 or equivalent. Advanced tonal harmony; continued form and genre study; twentieth-century compositional techniques; basic scoring and score reading; continued mastery of relevant musicianship skills.

3748 Choral Conducting I (2) F only Credit will not be given for both this course and MUS 3749. Elements of conducting choral groups.

3749 Choral Literature and Conducting I (3) Credit will not be given for both this course and MUS 3748. Elements of conducting choral groups; survey of choral literature for secondary school teaching.

3750 Choral Literature and Conducting II (3) Prereq.: MUS 3749 or equivalent. 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 (1-5) 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 of the 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 hr. 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.

4101 Piano Accompanying (1) Open to pianists. Individual projects in principles and practical applications of accompanying.

4102 The Advanced Coaching and Accompanying of Art Songs (2) Open to singers and pianists who have completed the sophomore year, or its equivalent, in their major performance areas.

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.
Music

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 the 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.

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 mélodie to contemporary English and American song.

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.: 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.: MUS 3732. Complex forms and harmonic techniques of the 19th and 20th centuries.


4719 Styles and Practices of the Late Romantics and Transition to the 20th Century (3) Prereq.: 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 Styles and Practices in the 20th Century (3) Prereq.: MUS 3732. Study of principal currents of musical composition in the century; analysis of selected works and creative application of techniques, procedures, and formal schemes studied.

4721 Modal Counterpoint (3) Prereq.: MUS 2732 or equivalent.

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; intuitive contrapuntal forms such as the invention and the fugue.

4724 Advanced Tonal Counterpoint (3) Prereq.: MUS 4723 or equivalent. Writing of contrapuntal forms in four and five parts with use of advanced contrapuntal techniques and expanded harmonic vocabulary.

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.

4732 Band Arranging (2) Prereq.: MUS 3732. Scoring for band; transcription from other media and original composition.

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.

4749 Seminar in Music History (3) Prereq.: 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 (2) Prereq.: MUS 1753, 1754. Required of all music majors; open to others with consent of instructor. The history of music from ca. 800 to 1600.

4751 Music of the Baroque and Classic Eras (2) Prereq.: MUS 1753, 1754. Required of music majors; open to others with consent of instructor. History of music from ca. 1600 to 1815.

4752 Music of the Romantic and Modern Eras (2) Prereq.: MUS 1753, 1754. Required of music majors; open to others with consent of instructor. The history of music from ca. 1815 to the present.

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

4754 Folk and Traditional Music: Music History and Literature (2) Prereq.: MUS 4753 or equivalent. Unwritten music of folk cultures; emphasis on Afro-American styles.

4755, 4756 Hymnology and Church Music (3,3) Music in worship from the Middle Ages to the 20th century; literary and musical aspects of the hymn and of the liturgy of the divisions of the ecclesiastical year.

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.

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.
7270 Historical Perspectives of Voice (3)
- Open to majors and nonmajors.
- Survey of historical periods of Western music, including Gregorian Chant, the Baroque period, and the Romantic era. Emphasis on key composers and their contributions.

7490 Musical Theatre Production (2,2)
- Each course may be repeated for credit. Open to advanced musicians interested in producing musical theatre.
- Various aspects of the theatre: creation of the musical dramatic role, stage techniques for singers, coordination of set design, lighting, makeup, and publicity.

7491 Introduction to Opera (3)
- Open to majors and nonmajors.
- History, production, and performance of opera from 1600 to the present.

7496 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.

7497 Senior Recital (1-3)
- May be taken for a max. of 3 sem. hrs. of credit.

7498 Senior Composition Recital (1)
- Pass/fail grading. Concert of solo and chamber works.

7499 Coaching in Applied Music (2)
- Open to music students with the recommendation of the appropriate applied music faculty. May be repeated for credit. Maxim. amount of credit applicable toward a degree is 6 sem. hrs.

4800 Foundations and Principles of Music Education (3)
- Historical, philosophical, and aesthetic foundations of music education; derivation of contemporary principles from the practice of music education; current trends and issues.

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.

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 oratorio 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 oratorio 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.

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 M.M. and 2 hrs. of credit for the D.M.A. or Ph.D. 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.

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.

7370 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.

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 M.M. 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.

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.

7700 Survey of Analytical Techniques (3)
- Prereq.: MUS 3703 and 3704 or successful passing of the Music Theory Diagnostic Examination. Required of all D.M.A. candidates. Survey of analytical tools and concepts for common practice and 20th century repertoire.

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 20th Century Musical Practices (3)
- 6 sem. hrs. applicable to the M.M. degree; 6 additional sem. hrs. applicable to the D.M.A. degree. Compositional trends in 20th century 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 M.M. degree; 3 additional hrs. applicable to Ph.D. or D.M.A. 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 20th Century 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. 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 (2)
- 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 (2)
- 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 rhythmically/phasal 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 modelling, interactive computer music performance, and algorithmic composition using computers; survey of representative music from the genre.

7749, 7750 Special Studies in Piano Literature (2,2) Each course may be taken for a max. of 4 hrs. of credit when piano literature varies. Total amount of credit applicable to M.M. 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 4710 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 tests evaluated with emphasis on curriculum construction. 7763 deals with elementary grades, 7764 with secondary.

7767 Experimental Research in Music (3) Prereq.: ELRC 4006 and MUS 7903. 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 M.M. or once for the D.M.A. or Ph.D. 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 M.M. and once for the D.M.A. or Ph.D. 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 M.M. and once for the D.M.A. or Ph.D. 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 M.M. and once for the D.M.A. 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. of credit applicable to the M.M. degree; only 12 additional sem. hrs. applicable to the Ph.D.; maximum for M.M. and Ph.D. 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 M.M.Ed. degree; only 12 additional sem. hrs. applicable to the M.M.Ed. and Ph.D. 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 M.M. degree when topics vary and only 12 additional sem. hrs. of credit applicable to the Ph.D. when topics vary. Maximum for M.M. and Ph.D. 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 M.M. degree; only 12 additional sem. hrs. applicable to the D.M.A.; maximum for M.M. and D.M.A. 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 D.M.A. 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 D.M.A. 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