MILITARY SCIENCE  MS

Department of Military Science
Office of the Provost

101A Leadership: The Military Profession
Fall. 1(1-1) SA: MS 101 Not open to students with credit in MS 101B.
Introduction to military leadership and fundamental concepts of leadership. Application of leadership doctrine. The role of the U.S. Army, Army Reserves, and National Guard. Leadership laboratory introduces basic military skills.

101B Leadership: The Military Profession
Spring. 1(1-2) SA: MS 101 Not open to students with credit in MS 101A.
Introduction to military leadership and fundamental concepts of leadership. Application of leadership doctrine. The role of the U.S. Army, Army Reserves, and National Guard. Leadership laboratory introduces basic military skills.

120 Introduction to Army Leadership and Problem Solving
Spring. 1 to 2 credits. RB: (MS 101A or MS 101B)
Fundamentals of basic Army leadership. Military problem solving process. Military briefing and writing skills. Goal setting and time management. Introduction to the Army's developmental counseling program.

201A Leadership: The Military Leader
Fall. 1(1-1) SA: MS 201 Not open to students with credit in MS 201B.
Introduction to effective leadership. Communications. Value of the United States Army. Responsibilities of military officers and professionalism. Laboratory includes tactics, marksmanship training, and military skills.

201B Leadership: The Military Leader
Spring. 1(1-2) SA: MS 201 Not open to students with credit in MS 201A.
Introduction to effective leadership. Communications. Value of the United States Army. Responsibilities of military officers and professionalism. Laboratory includes tactics, marksmanship training, and military skills.

999 Master's Thesis Research
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 36 credits in all enrollments for this course. R: Open only to graduate students in Microbiology and Public Health. SA: MPH 999
Master's thesis research.

991 Topics in Microbiology
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. SA: MPH 991
Topics are selected from traditional subdisciplines such as bacteriology, virology, cell biology, and immunology or from transecting subdisciplines such as microbial genetics, physiology, molecular biology and ecology.

999 Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 120 credits in all enrollments for this course. R: Open only to graduate students in Microbiology and Molecular Genetics. SA: MPH 999
Doctoral dissertation research.

MUSIC  MUS

School of Music
College of Arts and Letters

112 Chamber Music
Fall, Spring. 1(0-2) A student may earn a maximum of 10 credits in all enrollments for this course. R: Open only to students in the School of Music.
Rehearsal and performance of a broad range of chamber music literature.

113 Philharmonic Orchestra
Fall, Spring. 1(0-5) A student may earn a maximum of 10 credits in all enrollments for this course. RB: High school and/or youth orchestra experience or other college or university ensemble experience required.
Rehearsal and performance of symphonic and operatic repertoire.

114 Marching Band
Fall. 1(0-9) A student may earn a maximum of 6 credits in all enrollments for this course. R: Audition required.
Rehearsal and performance of broad range of marching band literature at football games.

115 Spartan Brass
Spring. 1(0-2) A student may earn a maximum of 6 credits in all enrollments for this course. R: Audition required.
Rehearsal and performance of broad range of brass literature at basketball and hockey games.

116 Campus Band
Fall, Spring. 1(0-3) A student may earn a maximum of 10 credits in all enrollments for this course.
Rehearsal and performance of broad range of band literature chosen from baroque period to the present.

117 Concert Band
Fall, Spring. 1(0-3) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.
Rehearsal and performance of broad range of wind literature from various historical periods and styles.

118 Wind Symphony
Fall, Spring. 1(0-6) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.
Rehearsal and performance of broad range of wind literature from various periods and styles.

119 Symphony Band
Fall, Spring. 1(0-4) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.
Rehearsal and performance of a broad range of wind and percussion literature.

120 Symphony Orchestra
Fall, Spring. 1(0-6) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.
Rehearsal and performance of symphonic and operatic repertoire.
122 Concert Orchestra  
Fall, Spring. 1(0-2) A student may earn a maximum of 10 credits in all enrollments for this course.
Rehearsal and performance of symphonic and concert literature written for large orchestra. Conducted by staff conductors under the supervision of faculty.

123 Collegiate Choir  
Fall, Spring. 1(0-3) A student may earn a maximum of 10 credits in all enrollments for this course.
Rehearsal and performance of representative literature for mixed choir with emphasis on vocal jazz and contemporary styles of choral music. No vocal jazz experience necessary.

124 Choral Union  
Fall, Spring. 1(0-2) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.
University and community chorus. One evening rehearsal per week, culminating in performance of a major work with orchestra.

125 Glee Club, Men and Women  
Fall, Spring. 1(0-3) A student may earn a maximum of 10 credits in all enrollments for this course.
Rehearsal and performance of broad range of choral literature chosen from medieval period to the present.

126 State Singers  
Fall, Spring. 1(0-4) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.
Mixed choir performing music from all periods.

127 University Chorale  
Fall, Spring. 1(0-4) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.
Mixed chamber choir for experienced singers performing representative literature from all periods.

129 Percussion Ensemble  
Fall, Spring. 1(0-3) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.
Rehearsal and performance of representative works for percussion and mallet ensembles.

130 Jazz Band  
Fall, Spring. 1(0-4) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.
Rehearsal and performance in large jazz ensemble. Literature from classic bands of Ellington and Basie to contemporary composers.

131 Jazz Combo  
Fall, Spring. 1(1-2) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.
Rehearsal and performance in small jazz ensembles. Literature from all historical periods of jazz.

141 Class Instruction in Piano I  
Fall, Spring. 1(1-1) R: Open only to students in the School of Music.
Use of the piano as a teaching tool.

142 Class Instruction in Piano II  
Spring. 1(1-1) R$: (MUS 141) R: Open only to students in the School of Music.
Use of the piano as a teaching tool.

143 Class Instruction in Voice I: Music Majors  
Fall. 1(1-1) R: Open only to students in the School of Music with an emphasis in voice. C: MUS 151 concurrently.

144 Class Instruction in Voice II: Music Majors  
Spring. 1(1-1) P: (MUS 143) R: Open only to students in the School of Music with an emphasis in voice. C: MUS 151 concurrently.

145 Class Instruction in Voice I  
Fall. 1(1-1) R: Not open to students in the School of Music with an emphasis in voice.
Rules of pronunciation. Vocal techniques.

146 Class Instruction in Voice II  
Spring. 1(1-1) P: (MUS 145) R: Not open to students in the School of Music with an emphasis in voice.
Vocal techniques and exploration of vocal literature.

147 Class Instruction in Elementary Piano I  
Fall, Spring. 2(2-1) R: Not open to students in the School of Music. Basic notation, performance, improvisation, and transposition. Repertoire includes folksongs, simple classics, and blues.

149 Keyboard Skills  
Fall, Spring. 1(0-2) A student may earn a maximum of 4 credits in all enrollments for this course. R: Open only to students in the School of Music.
Sight-reading, transposing, figured bass, keyboard harmony, and accompanying instrumentalists and vocalists.

150A Piano  
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in piano.

150C Harp  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in harp.

150J Piano: Jazz  
Fall, Spring. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in piano.

151 Voice  
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in voice.

151J Voice: Jazz  
Fall, Spring. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in voice.

152A Violin  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in violin.

152B Viola  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in viola.

152C Cello  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in cello.

152D Double Bass  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in double bass.

152J Stringed Instruments: Jazz  
Fall, Spring. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in a stringed instrument.

153A Flute  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in flute.

153B Oboe  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in oboe.

153C Clarinet  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in clarinet.

153D Saxophone  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in saxophone.

153E Bassoon  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in bassoon.

153J Woodwind Instruments: Jazz  
Fall, Spring. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in a woodwind instrument.
154A Trumpet Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in trumpet.

154B Horn Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in horn.

154C Trombone Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in trombone.

154D Euphonium Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in euphonium.

154E Tuba Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in tuba.

154J Brass Instruments: Jazz Fall, Spring. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in a brass instrument.

155 Percussion Instruments Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in percussion instruments.

155J Percussion Instruments: Jazz Fall, Spring. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to students in the School of Music.
Private instruction in percussion instruments.

160 Class Instruction in Guitar Fall, 1(1-0) R: Open only to students in the Music Therapy major and to other students in the School of Music with a teacher certification option.
Chording, strumming and finger picking techniques. Accompanying and song leading with guitar. Reading of notation and tablature. Classical and popular styles.

162 Class Instruction in Flute and Saxophone Spring. 1(0-2) R: Open only to students in the School of Music with a teacher certification option.
Techniques for playing and teaching flute and saxophone.

163 Class Instruction in Clarinet Fall. 1(0-2) R: Open only to students in the School of Music with a teacher certification option.
Techniques for playing and teaching clarinet.

164 Class Instruction in Double Reed Instruments Spring. 1(0-2) R: Open only to students in the School of Music with a teacher certification option.
Techniques for playing and teaching oboe and bassoon.

165 Class Instruction in High Brass Instruments Fall. 1(0-2) R: Open only to students in the School of Music with a teacher certification option.
Techniques for playing and teaching trumpet and horn.

166 Class Instruction in Low Brass Instruments Spring. 1(0-2) R: Open only to students in the School of Music with a teacher certification option.
Techniques for playing and teaching trombone, euphonium, and tuba.

171 Class Instruction in Stringed Instruments I Fall. 1(1-1) R: Open only to Music majors.
Techniques for playing and teaching stringed instruments at the elementary level.

172 Class Instruction in Stringed Instruments II Spring. 1(1-1) P: (MUS 171) SA: MUS 161
Techniques for playing and teaching stringed instruments at the intermediate level and beyond.

173 Class Instruction in Percussion Instruments I Fall, Spring. 1(1-1) R: Open only to students in the School of Music.
Techniques for playing and teaching percussion instruments at the elementary level.

174 Class Instruction in Percussion Instruments II Spring. 1(1-1) P: (MUS 173)
Techniques for playing and teaching percussion instruments at the intermediate level and beyond.

175 Understanding Music Fall, Spring. 2(2-0)
An active and creative approach to understanding the elements of music in a wide variety of music styles. No prior musical skills required.

177 Introduction to Music Education Fall, Spring. 2(2-1) SA: MUS 260
Historical foundations, current trends, and teaching responsibilities in music education at all curricular levels.

178 Music Theory For Non Music Majors I Fall. 2(2-1) R: Not open to music majors. Not open to students with credit in MUS 180.
Basic components of both written and aural music. No previous musical knowledge assumed.

179 Music Theory For Non Music Majors II Spring. 3(3-0) P: (MUS 178) R: Not open to music majors. Not open to students with credit in MUS 180 or MUS 181.
Common chords and chord progressions, harmonizing melodies, basic musical forms including some popular and jazz forms, introductory compositional techniques.

180 Fundamentals of Music Fall. 2(2-1) R: Open only to students in the School of Music.
Conceptual and notational presentation of the basic components of musical structure.

181 Musicianship I Spring. 3(3-1) P: (MUS 180) R: Open only to students in the School of Music.
Hierarchical musical structure through species counterpoint and figured bass. Linear and vertical aspects of tonality.

182 Ear Training and Sight Singing I Fall. 1(1-1) R: Open only to students in the School of Music.
Dictation, melody singing using solfege (movable do) syllables, intervals to octave, error detection, quarter note values in rhythm, part singing.

183 Ear Training and Sight Singing II Spring. 1(1-1) RB: (MUS 182) R: Open only to students in the School of Music.
Dictation, singing melodies in major and minor keys. Simple modulation, chromatic alteration, error detection, rhythms, triads and components, part singing.

185 Freshman Jazz Studies: Listening and Assimilation Fall. 2(2-0)
Introduction to jazz. Listening and appreciating jazz. Jazz styles and history.

200 Introduction to Music Theory Fall. 1(1-1) R: Open only to graduate students in the School of Music. SA: MUS 800
Elements of music theory, with emphasis on voice-leading and harmonic analysis in diatonic and chromatic music.

201 Aural Skills Spring. 1(1-1) R: Open only to graduate students in the School of Music. SA: MUS 801
Ear training in the areas of melody, harmony, and rhythm. Sight singing using the solfege system. Computer-aided drill programs.

211 History of Western Music to 1750 Fall. 3(3-0) P: (MUS 181) R: Not open to freshmen. Open only to students in the School of Music.
Music from ancient Greece through the Baroque. Literature and theory of plainsong, instrumental and vocal traditions, and vocal polyphony before 1750 in sociopolitical context.

212 History of Western Music Since 1750 Spring. 3(3-0) P: (MUS 181) RB: (MUS 211) R: Not open to freshmen. Open only to students in the School of Music.
Literature of the cultivated tradition and its theory in sociopolitical context.

230 Beginning Jazz Improvisation I Fall. 3(3-0) P: (MUS 181) R: Not open to freshmen.
Keys, modes, chord progressions as improvisational tools. Blues form in basic keys. Aural transcription of recorded solos.

231 Beginning Jazz Improvisation II Spring. 2(2-0) P: (MUS 230) R: Not open to freshmen.
Performance of complete tunes using II-V-I progressions in all major and minor keys. Transcriptions of recorded jazz solos.
Music—MUS

241 Advanced Class Instruction in Piano I
Fall. 1(1-1) P: (MUS 142) R: Not open to freshmen. Open only to students in the School of Music. Use of the piano as a teaching tool in school music.

242 Advanced Class Instruction in Piano II
Spring. 1(1-1) P: (MUS 241) R: Not open to freshmen. Open only to students in the School of Music. Continuation of MUS 241.

248 German Diction for Singers
Fall. 1(1-1) P: (MUS 151) R: Open only to students in the School of Music. German lyric diction. Rules of pronunciation. Performance of German art songs in class.

249 French Diction for Singers
Spring. 1(1-1) P: (MUS 151) R: Open only to students in the School of Music. French lyric diction. Rules of pronunciation. Performance of French art songs in class.

270 Music Therapy: Foundations and Principles
Fall. 3(3-0)
History, philosophy and scope of the practice of music therapy. Use of music in promoting health and treating people with special needs. Field trips required.

271 Music Therapy: Instrumental, Vocal and Movement Techniques
Spring of even years. 3(3-0) RB: (MUS 270) Creative and expressive techniques involving percussion instruments, autoharp, handchimes, song leading, creative movement, folk dance.

277 Principles of Music Education
Spring. 3(3-2) P: (MUS 177) SA: MUS 339 Techniques for developing instructional and management skills for teaching music. On- and off-campus clinical experiences required.

280 Musicianship II
Fall. 3(3-1) P: (MUS 181) Techniques of diatonic modulation and soprano harmonization. Chromatic techniques.

281 Musicianship III
Spring. 3(3-1) P: (MUS 280) Research base for formal categorization. Large-scale principles of musical organization. Chromatic substitution and chords derived from voice-leading.

282 Advanced Ear Training and Sight Singing I
Fall. 1(1-1) P: (MUS 183) Dictation including recognition of triads, functions, cadences, seventh-chord harmonies, chord components. Two-and-four-part dictation and singing.

283 Advanced Ear Training and Sight Singing II

290 Independent Study
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Approval of school. Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

301 Advanced Jazz Musicianship I
Fall. 2(2-0) P: (MUS 231) R: or audition. Secondary dominants, borrowed chords and tritone substitutions. Transcriptions of recorded jazz solos.

302 Advanced Jazz Musicianship II
Spring. 2(2-0) P: (MUS 301) Pentatonic scale relationships within II-V-I progressions, Aleatoric approaches to improvisation, non-traditional chord progressions, transcription of recorded jazz solos.

303 Advanced Jazz Musicianship III
Fall. 2(2-0) P: (MUS 302) Continuation of Advanced Jazz Musicianship II.

304 Advanced Jazz Musicianship IV
Spring. 2(2-0) P: (MUS 303) R: Open only to juniors or seniors in Music. Continuation of Advanced Jazz Musicianship III.

335 Ensemble Conducting I
Fall. 2(2-2) P: (MUS 181) R: Open only to students in the School of Music with a teacher certification option and to students with a major in Music Therapy or Composition and Music Theory. Introduction to conducting and rehearsal techniques.

336A Ensemble Conducting II: Instrumental
Spring. 2(2-2) P: (MUS 335) R: Open only to students in the School of Music with a teacher certification option and to students with a major in Composition and Music Theory. SA: MUS 336 Advanced conducting and rehearsal techniques as applied to music literature from each of the stylistic periods.

336B Ensemble Conducting II: Choral
Spring. 2(2-2) P: (MUS 335) R: Open only to students in the School of Music with a teacher certification option and to students with a major in Composition and Music Theory. SA: MUS 336 Advanced conducting and rehearsal techniques as applied to music literature from each of the stylistic periods.

337 Conducting for Music Performance Majors

340 Methods and Literature for Voice
Fall. 3(3-0) RB: Four semesters of MUS 151. R: Open only to majors in the School of Music. Methods of teaching voice. Literature for both private lessons and classrooms.

341 String Pedagogy
Spring. 2(2-1) R: Open only to majors in the School of Music. Principles, techniques, and materials for teaching stringed instruments.

346 Keyboard Methods and Literature I
Fall. 2(2-0) RB: Four semesters of MUS 150A. R: Open only to majors in the School of Music. Beginning and intermediate methods and literature for teaching piano. Observation and teaching of beginning piano students.

347 Keyboard Methods and Literature II
Spring. 2(2-0) P: (MUS 346) R: Open only to majors in the School of Music. Intermediate and advanced methods and literature for teaching piano. Observation and teaching of piano students.

348 Piano Accompanying
Fall, Spring. 1(0-3) A student may earn a maximum of 8 credits in all enrollments for this course. RB: (MUS 149) R: Not open to freshmen. Open only to students in the School of Music. Accompaniment of instrumental and vocal soloists.

349 Piano Performance
Fall, Spring. 1(0-2) A student may earn a maximum of 10 credits in all enrollments for this course. R: Open only to students in the School of Music. Critique and analysis of individual performances in a group setting.

350A Piano
Fall, Spring. 2 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. P: (MUS 150A) R: Open only to majors in the School of Music. Private instruction in piano.

350C Harp
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. P: (MUS 150C) R: Open only to majors in the School of Music. Private instruction in harp.

350J Applied Jazz Piano
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course. P: (MUS 150J) Continuation of MUS 150J. Further refinement of listening skills. Technical analysis of more advanced forms of jazz styles and improvisation. Advanced techniques pertaining to the use of piano in contemporary settings.

351 Voice
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 10 credits in all enrollments for this course. P: (MUS 151) R: Open only to majors in the School of Music and to students in the Music teaching minor. Private instruction in voice.

351J Applied Jazz Vocals
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course. P: (MUS 151J) Continuation of MUS 151J. Advanced vocal technique. Performance experience in jazz idioms. Performance of advanced technical exercises and assigned jazz repertoire.

352A Violin
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 152A) R: Open only to majors in the School of Music. Private instruction in violin.

352B Viola
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 152B) R: Open only to majors in the School of Music. Private instruction in viola.
352C  Cello
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 152C) R: Open only to majors in the School of Music. Private instruction in cello.

352D  Double Bass
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 152D) R: Open only to majors in the School of Music. Private instruction in double bass.

352J  Applied Jazz Strings
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course. P: (MUS 152J) Continuation of MUS 152J. Further refinement of listening skills. Technical analysis of advanced forms of jazz styles and improvisation. Significant be-bop and hard-bop compositions. Advanced techniques pertaining to the use of string instruments in contemporary settings.

353A  Flute
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 153A) R: Open only to majors in the School of Music. Private instruction in flute.

353B  Oboe
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 153B) R: Open only to majors in the School of Music. Private instruction in oboe.

353C  Clarinet
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 153C) R: Open only to majors in the School of Music. Private instruction in clarinet.

353D  Saxophone
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 153D) R: Open only to majors in the School of Music. Private instruction in saxophone.

353E  Bassoon
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 153E) R: Open only to majors in the School of Music. Private instruction in bassoon.

353J  Applied Jazz Woodwinds
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course. P: (MUS 153J) Continuation of MUS 153J. Further refinement of listening skills. Technical analysis of more advanced forms of jazz styles and improvisation. Significant be-bop and hard-bop compositions. Advanced techniques pertaining to the use of woodwinds in contemporary settings.

354A  Trumpet
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 154A) R: Open only to majors in the School of Music. Private instruction in trumpet.

354B  Horn
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 154B) R: Open only to majors in the School of Music. Private instruction in horn.

354C  Trombone
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 154C) R: Open only to majors in the School of Music. Private instruction in trombone.

354D  Euphonium
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 154D) R: Open only to majors in the School of Music. Private instruction in euphonium.

354E  Tuba
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 154E) R: Open only to majors in the School of Music. Private instruction in tuba.

354J  Applied Jazz Brass
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course. P: (MUS 154J) Continuation of MUS 154J. Further refinement of listening skills. Technical analysis of more advanced forms of jazz styles and improvisation. Significant be-bop and hard-bop compositions. Advanced techniques pertaining to the use of jazz brass in contemporary settings.

355  Percussion
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (MUS 155) R: Open only to majors in the School of Music. Private instruction in percussion.

355J  Applied Jazz Percussion
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course. P: (MUS 155J) Continuation of MUS 155J. Further refinement of listening skills. Technical analysis of more advanced forms of jazz styles and improvisation. Significant be-bop and hard-bop compositions. Advanced techniques pertaining to the use of jazz percussion in contemporary settings.

370  Music Therapy: Behavior Measurement and Assessment

371  Music Therapy: Treatment Planning and Case Management
Spring of even years. 3(3-1) P: (MUS 270) R: Open only to Music Therapy majors. Design and evaluation of treatment programs. Goals and objectives of treatment. Group techniques. Clinical Practicum required.

381  20th Century Music Theory (W)
Fall. 3(3-1) P: (MUS 281) and completion of Tier I writing requirement. Western art music and jazz. Stylistic and formal analysis of representative compositions and jazz improvisations. Post-tonal theory. Jazz nomenclature and harmonic practice.

400  Jazz Arranging and Composition I
Fall. 2(2-0) P: (MUS 210) Jazz instrumental writing focusing on voicing concepts for standard jazz chord progressions, melody, counter-melody, and standard forms. Beginning orchestration techniques emphasizing form.

401  Jazz Arranging and Composition II
Spring. 2(2-0) P: (MUS 400) Jazz instrumental writing focusing on orchestration and arranging concepts for large jazz ensembles. Voicing of chords within and across sections. Orchestration techniques which emphasize form.

410  Jazz History
Fall. 2(2-0) P: (MUS 212) Survey of jazz from its beginnings in African American oral traditions to the present.

411  Audio Engineering for the Musician
Fall. 2(2-0) Basic audio concepts. Equipment used in various recording situations. Operation and artistic use of audio equipment.

413  Keyboard Literature since the Mid-19th Century
Fall of even years. 2(2-1) P: (MUS 281) R: Open only to majors in the School of Music. Keyboard styles and works of representative composers such as Bach, Couperin, Mozart, Haydn and Beethoven.

414  Keyboard Literature since the Mid-19th Century
Spring of odd years. 2(2-1) P: (MUS 413) R: Open only to majors in the School of Music. Keyboard styles and works of representative composers such as Schumann, Chopin, Ives and Prokofiev.

415  Art Song Literature: German
Fall of even years. 2(2-1) P: (MUS 181) R: Open only to majors in the School of Music. Not open to freshmen or sophomores. Standard art song repertoire with emphasis on German Lieder. Performance of art songs in class.

416  Art Song Literature: European and American
Spring of odd years. 2(2-1) P: (MUS 181) R: Open only to majors in the School of Music. Not open to freshmen or sophomores. Standard art song repertoire with emphasis on Italian, French, and twentieth century art songs. Performance of art songs in class.

420  Music of the 18th Century
Fall of even years. 2(2-0) P: (MUS 212) R: Not open to freshmen or sophomores. Open only to majors in the School of Music. Late baroque and early classical traditions: styles, genres, forms, theories, aesthetics, performance practices, instruments and masterworks in sociopolitical context. Aural and score analysis of representative works.
19th Century European-American Music Literature
Spring of odd years. 2(2-0) P: (MUS 212) R: Not open to freshmen or sophomores. Open only to juniors or seniors in Music. Late classical and romantic period traditions: styles, genres, forms, theories, aesthetics, performance practice, instruments and masterworks in sociopolitical context. Aural and score analysis of representative works.

20th Century European and American Music Literature
Spring of even years. 2(2-0) P: (MUS 212) R: Not open to freshmen or sophomores. Open only to majors in the School of Music. Twentieth-century styles, genres, forms, theories, aesthetics, performance practices, instruments and masterworks in sociopolitical context. Aural and score analysis of representative works.

History of Opera
Fall of odd years. 2(2-0) P: (MUS 212) R: Open only to majors in the School of Music. Musical, cultural, and social significance of opera since 1600.

Music of South Asia and Its Diaspora
Fall of odd years. 2(2-0) R: Not open to freshmen or sophomores. Music associated with the cultures of South Asian India and Pakistan, and South Asian musical practices in its Diaspora.

Music of West Africa
Spring of odd years. 2(2-0) R: Not open to freshmen or sophomores. Music associated with the cultures of West Africa.

Music of East Asia
Fall of even years. 2(2-0) R: Not open to freshmen or sophomores. Music associated with the cultures of East Asia.

Music of the Caribbean
Spring of even years. 2(2-0) R: Not open to freshmen or sophomores. Music with the cultures of the Caribbean.

Business of Music

Opera Theatre
Fall, Spring. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments of this course. R: Audition required. Rehearsal and performance of complete operas and operatic excerpts.

Popular Music of Black America
Fall of even years. 2(2-0) R: Not open to freshmen or sophomores. Role of African-American performers, songwriters and producers in the development of a multi-billion-dollar music industry.

Black Music of Two Worlds
Fall of odd years. 2(2-0) R: Not open to freshmen or sophomores. Open only to students in the School of Music. How children learn music from early childhood to grade three.

Jazz Pedagogy I
Fall. 2(2-0) P: (MUS 281) R: Open only to juniors or seniors in Music. Teaching theory and methodologies for jazz education in secondary schools.

Jazz Pedagogy II
Spring. 2(2-0) P: (MUS 438) R: Open only to freshmen or sophomores. Teaching theory and methodologies for jazz education in secondary schools.

Introduction to Computer Music
Fall, Spring. 3(3-0) P: (MUS 281) R: Open only to freshmen or sophomores. Digital synthesizers, samplers, and Musical Instrument Digital Interface. Computer sequencing and timbre editing software. Compositional techniques of computer music.

Independent Projects in Computer Music
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: (MUS 441) Independent composition or research in computer music. Assigned use of computer music studios.

Advanced Keyboard Methods and Literature I
Fall. 2(2-0) RB: (MUS 347) R: Open only to freshmen or sophomores. Advanced piano literature for private lessons and classrooms.

Advanced Keyboard Methods and Literature II
Spring. 2(2-0) RB: (MUS 448) R: Open only to freshmen or sophomores. Advanced piano literature for private lessons and classrooms.

Teaching Instrumental Music
Fall. 3(3-1) P: (MUS 277) R: Open only to freshmen or sophomores. Develop skills necessary for teaching elementary and secondary band. Role of the instrumental music educator purpose of instrumental music in the schools. Clinical experiences in schools required.

Teaching Stringed Instruments
Fall. 3(3-2) P: (MUS 177) R: Open only to freshmen or sophomores. Develop skills and knowledge for teaching string and orchestra programs in schools. Pedagogy, musicianship, curriculum, materials and program administration. Clinical experiences in schools required.

Marching Band Methods
Spring. 2(2-0) R: Open only to freshmen or sophomores in the School of Music. Teaching theory and methodologies for jazz education in secondary schools. Administration of school marching bands. Technical and philosophical aspects.

Suzuki Methods and Materials
Spring. 2(2-0) R: Open only to freshmen or sophomores. Open only to majors in the School of Music. Beginning levels of Suzuki violin pedagogy.

Methods and Materials of Elementary Music I
Fall, Spring. 2(2-0) R: Not open to freshmen or sophomores. Open only to freshmen or sophomores. Teaching theory and methodologies for jazz education in secondary schools. How children learn music from early childhood to grade three.

Music in Early Childhood
Fall. 2(2-0) R: Open only to freshmen or sophomores. Open only to students in the School of Music with a teacher certification option. Music learning activities and teaching strategies for children ages three to six.

Teaching General Music in the Elementary School
Fall. 3(2-2) P: (MUS 277) R: Open only to students in the School of Music with a teacher certification option. Techniques for teaching general music to students in grades K-6. Curriculum, pedagogy, materials, and program administration. Clinical experience in schools required.

Teaching Choral Music
Spring. 3(2-2) P: (MUS 177) R: Open only to students in the School of Music with a teacher certification option. Techniques for developing choral music programs. Curriculum, pedagogy, materials, and program administration. Clinical experience in schools required.

Teaching Secondary Classroom Music
Fall. 3(3-1) P: (MUS 371 or concurrently and PSY 280 or concurrently) R: Open only to Music Therapy majors. Use of music therapy to treat clients with mental and behavioral disorders. Clinical practicum required.

Music Therapy: Physical and Developmental Disabilities
Fall. 3(3-1) P: (MUS 470 and CEP 240 or concurrently) R: Open only to Music Therapy majors. Use of music therapy to treat clients with physical and developmental disabilities, and medical music therapy. Clinical practicum required.

Aesthetic Theory and Modernism
Fall. 4(4-0) R: Not open to freshmen or sophomores. Problems, assumptions, and arguments of modern aesthetic theory examined in the context of debates over modernity and modernist artistic practice.

Music Psychology

Psychology of Music: Research Methodology and Application
Spring. 2(2-0) P: (MUS 476) R: Open only to majors in the School of Music. Research projects and proposal writing. Application of elementary statistical concepts in evaluating responses to music.

Counterpoint
Fall, Spring. 2(2-0) P: (MUS 381) R: Open only to majors in the School of Music. Creative and analytical work with two-and three-part counterpoint in the style of J.S. Bach.
Composition
Private instruction in music composition.

Instrumentation and Basic Orchestration
Four families of orchestral instruments: strings, woodwinds, brass, and percussion. Acoustics, notation, range, articulation, dynamics, technique, and timbre for individual instruments and orchestral sections.

Independent Study
A student may earn a maximum of 15 credits in all enrollments for this course. R: Approval of school. Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

Special Topics in Music
A student may earn a maximum of 15 credits in all enrollments for this course. R: Approval of school. Special topics supplementing regular course offerings proposed by faculty for group study.

Music Therapy: Clinical Practicum
Six months of internship in an approved music therapy clinical program at an accredited treatment center.

Student Teaching in Music
Supervised music teaching experience in schools. On-campus seminar required.

Research Methods and Materials in Music
Organization, presentation, and documentation of research. Encyclopedias, indices, databases, and other aids.

Seminar in Ethnomusicology
Historical development of ethnomusicology. Theories and techniques of the discipline.

Fieldwork in Ethnomusicology
Fieldwork methods and experience. Theoretical issues. Research strategies and techniques.

Medieval Music
European music to 1400. Emphasis on polyphonic music with some attention to Gregorian chant and secular monophony.

Renaissance Music
European music, sacred and secular, from 1400 to 1600.

17th-Century Music
Institutional and vocal music in Europe from 1600 to 1700. Development of genres and of national styles.

Seminar in Piano Pedagogy
Advanced piano pedagogy methods and materials for teaching piano at all levels. Conceptualizing and implementing a practical teaching project. Topics will vary.

Secondary or Specialist Emphasis: Piano
Instruction in piano for students whose principal instrument is not piano.

Secondary or Specialist Emphasis: Voice
Instruction in vocal techniques for students whose principal emphasis is not voice.

Secondary or Specialist Emphasis: String
Instruction in violin, viola, cello, or double bass.

Secondary or Specialist Emphasis: Brass
Instruction in trumpet, trombone, euphonium, or tuba.

Secondary or Specialist Emphasis: Woodwind
Instruction in flute, clarinet, oboe, bassoon, or saxophone.

Piano Performance
Critique and analysis of individual performances of piano literature in a group setting.

Piano
Private instruction in piano.

Voice
Private instruction in voice.

Violin
Private instruction in violin.

Viola
Private instruction in viola.

Cello
Private instruction in double bass.

Flute
Private instruction in flute.

Oboe
Private instruction in oboe.

Clarinet
Private instruction in clarinet.

 Saxophone
Private instruction in saxophone.

Bassoon
Private instruction in bassoon.
854A Trumpet
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open only to master's students in Music Performance with an emphasis in trumpet.
Private instruction in trumpet.

854B Horn
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open only to master's students in Music Performance with an emphasis in horn.
Private instruction in horn.

854C Trombone
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open only to master's students in Music Performance with an emphasis in trombone.
Private instruction in trombone.

854D Euphonium
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open only to master's students in Music Performance with an emphasis in euphonium.
Private instruction in euphonium.

854E Tuba
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open only to master's students in Music Performance with an emphasis in tuba.
Private instruction in tuba.

855 Percussion
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open only to master's students in Music Performance with an emphasis in percussion.
Private instruction in percussion.

856 Chamber Music
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to graduate students in School of Music.
Performance of pre-20th century chamber music under faculty direction.

858A Seminar in Wind Conducting
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 36 credits in all enrollments for this course. R: Open only to graduate students in School of Music with a major in Music Conducting.
Advanced wind conducting, including core repertoire examination and execution with emphasis on score analysis and preparation.

858B Seminar in Orchestral Conducting
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to graduate students in School of Music with a major in Music Conducting.
Advanced conducting techniques for the orchestral literature of all periods for string, chamber, and symphony orchestras.

858C Seminar in Choral Conducting
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 36 credits in all enrollments for this course. R: Open only to graduate students in School of Music with a major in Choral Conducting.
Advanced conducting techniques for choral and instrumental music of all periods.

859 Choral Techniques and Materials
Spring of even years. 3(3-0) A student may earn a maximum of 15 credits in all enrollments for this course. R: Open only to graduate students in School of Music.

860 Seminar in History and Philosophy of Music Education
Spring of even years. 3(3-0)
Philosophical views regarding the nature of music education leading to the development of a personal, professional philosophy of music education.

861 Seminar in Psychology of Music Education
Fall. 3(3-0)
Psychological foundations of music teaching and learning. Psychological research on problems in music teaching.

862 Seminar in Music Curriculum and Methodology
Fall. 3(3-0)
Historical, philosophical, and psychological foundations of music education curriculum and methodology. Curriculum development and implementation.

864 Research in Music Education and Music Therapy
Fall. 3(3-0)
Methods of research in music education and music therapy. Conceptualization and implementation of a study. Systematic information retrieval. Proposal writing.

865 Advanced Methods and Materials in Secondary Music Education
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
Current methods and materials for teaching music in secondary schools. Topics vary.

870 Contrapuntal Techniques I
Fall of odd years. 3(3-0) R: Open only to graduate students in School of Music.
Techniques of voice-leading through imitative counterpoint. Compositional exercises modeled after sacred vocal polyphony of the sixteenth century, principally Palestrina and Victoria.

871 Contrapuntal Techniques II
Spring of even years. 3(3-0) RB: (MUS 870) R: Open only to graduate students in School of Music.
Compositional exercises modeled after instrumental polyphony of the eighteenth century, principally J.S. Bach. Influence of fugal technique in the nineteenth and twentieth centuries.

872 Tonal Forms
Fall. 2(2-0) R: Open only to graduate students in School of Music.
Music from the period of common practice and its relationship to music composition. Interplay of melody, harmony, rhythm, and timbre in various structural units.

873 Early 20th Century Techniques
Spring. 2(2-0) R: Open only to graduate students in School of Music.
Melodic, harmonic, rhythmic, and textural devices employed in early twentieth century music.

874 Schenkerian Analysis
Fall. 2(2-0) R: Open only to graduate students in School of Music.
Thought, works, and influences of Heinrich Schenker. Techniques of linear analysis emphasizing the role of long-range voice-leading musical structure.

875 Analysis of Musical Scores
Summer. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students in School of Music.
Analysis of choral, orchestral, and band music as a means of enhancing interpretation and performance.

876 History of Music Theory
Fall of odd years. 3(3-0) RB: (MUS 830) R: Open only to graduate students in School of Music.
Principal western theories of music from Pythagoras to the present. Ideas contributing to the development of modern musical thought and their place in western intellectual history.

877 Scoring for Orchestra and Band
Fall. 2(2-1) R: Open only to graduate students in School of Music.
Theory and practice in scoring for orchestra and band.

878 Advanced Scoring for Orchestra and Band
Spring. 2(2-1) RB: (MUS 877) R: Open only to graduate students in the School of Music.
Orchestra scoring from Bach to Boulez and band scoring from Sousa to Maslanka. Advanced scoring projects.

880 Composition
Fall, Spring. 2(2-0) A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to graduate students in School of Music.
Advanced guided projects in creative writing of music.

881 Seminar in Composition
Fall, Spring. 2(2-0) A student may earn a maximum of 20 credits in all enrollments for this course. R: Open only to graduate students in School of Music.
Study of contemporary music, with emphasis on compositional procedures.

882 Composition with Computers
Fall. 2(2-1) R: Open only to graduate students in School of Music.
Current applications of microcomputers in musical composition.

883 Advanced Computer Music Projects
Spring. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. RB: (MUS 882 or MUS 441) R: Open only to graduate students in School of Music and in Computer Science.
Techniques and principles of composition and research with computers. Use of computer hardware and software.
MUS—Music

937 Seminar in 20th-Century Music
Spring of even years. 3(3-0) R: Open only to doctoral students in School of Music. Selected topics in 20th-century music.

950A Piano
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in piano. Private instruction in piano.

951 Voice
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in voice. Private instruction in voice.

952A Violin
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in violin. Private instruction in violin.

952B Viola
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in viola. Private instruction in viola.

952C Cello
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in cello. Private instruction in cello.

952D Double Bass
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in double bass. Private instruction in double bass.

953A Flute
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in flute. Private instruction in flute.

953B Oboe
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in oboe. Private instruction in oboe.

953C Clarinet
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in clarinet. Private instruction in clarinet.

953D Saxophone
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in saxophone. Private instruction in saxophone.

954A Trumpet
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in trumpet. Private instruction in trumpet.

954B Horn
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in horn. Private instruction in horn.

954C Trombone
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in trombone. Private instruction in trombone.

954D Euphonium
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in euphonium. Private instruction in euphonium.

954E Tuba
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in tuba. Private instruction in tuba.

955 Percussion
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance with an emphasis in percussion. Private instruction in percussion.

955A Seminar in Wind Conducting
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to doctoral students in School of Music with a major in Music Conducting.

Advanced wind conducting. Core repertoire examination and execution. Score analysis and preparation.

955B Seminar in Orchestral Conducting
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to doctoral students in School of Music with a major in Music Conducting.

Advanced conducting techniques for the orchestral literature of all periods for string, chamber, and symphony orchestras.
958C Seminar in Choral Conducting
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to doctoral students in School of Music with a major in Music Conducting. Advanced conducting techniques for choral and instrumental music of all periods.

960 Seminar in Measurement in Music Education
Spring of odd years. 3(3-0) RB: (MUS 864 and MUS 965) or approval of school. R: Open only to graduate students in Music Education. Theory and practice of measuring musical behavior in terms of aptitude and achievement. Current trends in cognitive, affective, and psychomotor measurement in music.

961 Seminar in Music Teacher Education
Fall of odd years. 3(3-0) Issues, trends, and strategies for preparing prospective music educators.

962 Advanced Studies in the Philosophy of Music Education
Fall of even years. 3(3-0) Historic and contemporary views of the value and import of music and music education and their translation into practice.

965 Advanced Research Methods in Music Education
Spring. 3(3-0) RB: (MUS 864) Music education research projects using computerized statistical analysis.

970 Pedagogy of Theory
Fall of odd years. 3(3-0) R: Open only to graduate students in the School of Music. Organization, goals, and procedures for teaching music theory to undergraduates. Choice and sequencing of topics, pacing, supplementary materials, educational philosophies, and relevance to performance.

971 Pedagogy of Theory II
Spring of even years. 2(2-0) R: Open only to graduate students in School of Music. Organization, goals, and procedures for teaching music theory to undergraduates. Ear training and sight singing, and their application to general musicianship.

972 Analytical Studies I
Fall. 3(3-0) R: Open only to graduate students in School of Music. Melody, harmony, rhythm, color, texture, counterpoint, and structure in selected musical masterpieces from the 13th century to the early 19th century.

973 Analytical Studies II
Spring. 3(3-0) R: Open only to graduate students in School of Music. Melody, harmony, rhythm, color, texture, counterpoint, and structure in selected musical masterpieces from the nineteenth and twentieth centuries.

974 Atonality, Serialism, and Set Theory
Spring. 2(2-0) R: Open only to graduate students in School of Music. Atonal and paratonal music. Related compositional and analytical systems. Serialism, integral serialism, and set theory.

975 Readings in Music Theory
Spring of odd years. 2(2-0) R: Open only to graduate students in School of Music. Current topics in music theory. Research paper required.

980 Composition
Fall, Spring. 2(2-0) A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to graduate students in School of Music. Advanced guided projects in creative writing of music.

990 Doctoral Independent Study
Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 20 credits in all enrollments for this course. R: Approval of school. Special projects, directed reading, and research arranged by an individual doctoral candidate and a faculty member in areas supplementing the regular course offerings.

991 Special Topics
Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 25 credits in all enrollments for this course. R: Approval of school. Special topics supplementing regular course offerings proposed by faculty on a group study basis for doctoral students.

992 Seminar in Musicology
Spring. 3(3-0) A student may earn a maximum of 18 credits in all enrollments for this course. R: Open only to graduate students in School of Music. Topics in musicology such as early notations, music editing, or historical performance practices.

996 Doctoral Recital Performance
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to doctoral students in Music Performance. Approval of school. Directed experience in recital performance in partial fulfillment of requirements for the Doctor of Musical Arts degree.

997 Doctoral Concert Conducting
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to doctoral students in the School of Music with a major in Music Conducting. Approval of school. Directed experience in concert conducting in partial fulfillment of requirements for the Doctor of Musical Arts degree.

998 Doctoral Music Composition
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to doctoral students in the Music Composition major. Approval of school. Directed experience in composition in partial fulfillment of requirements for the Doctor of Musical Arts degree.

999 Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to doctoral students in the School of Music. Approval of school. Doctoral dissertation research.