202A. Leadership: Land Navigation/Tactical Operations  
Fall, (1-1)  
R: Not open to students with credit in MS 202B.  
Military topographic and special maps: intersection,  
resection, modified resection, and polar coordinates.  
Tactical operation overlays. Preview of small unit  
leader's role in the Army. Lab: use of lensatic compass.

202B. Leadership: Land Navigation/Tactical Operations  
Spring, (1-2)  
R: Not open to students with credit in MS 202A.  
Military topographic and special maps: intersection,  
resection, modified resection, and polar coordinates.  
Tactical operation overlays. Preview of small unit  
leader's role in the Army. Lab: use of lensatic compass.

301. Leadership: Command and Control  
Communication  
Fall, Spring, (3-3)  
P: MS 202.  
Wire and radio communications for tactical operations.  
Encryption/decryption, use of codes, and electronic  
warfare. Theories and models of behavioral sciences for  
leadership. Lab: emphasizes communication skills.

302. Leadership: Small Unit Tactics  
Fall, Spring, (3-3)  
P: MS 301.  
Military topographic and special maps: intersection,  
resection, modified resection, and polar coordinates.  
Tactical operation overlays. Preview of small unit  
leader's role in the Army. Lab: use of lensatic compass.

401. Leadership: Management  
Fall, Spring, (3-2-3)  
P: MS 302.  
Army training personnel administration and logistics systems, and the leader's role as a trainer and  
effective manager. Oral and written communication. Leadership  
assessment and development. Lab: practical experience  
in unit administration.

402. Military Law, Ethics and  
Professionalism  
Spring, (3-2-3)  
P: MS 401.  
Military legal system. Application of military justice.  
Fundamental values and principles of conduct in the  
professions of arms. Development of subordinates and  
the role of noncommissioned officers. Lab includes leadership development assessment.

490. Independent Study in Military Science  
Fall, Spring, 1 to 4 credits. A student may earn a  
maximum of 4 credits in all enrollments for this course.  
R: Open only to juniors and seniors. Approval of  
department or individual research in areas related to military science.

Music — Descriptions of Courses

115. Spartan Brass  
Spring, 1 credit. 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 credit. 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 band  
literature chosen from baroque period to the present.

117. Concert Band  
Fall, Spring, 1 credit. 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  
literature from various historical periods and styles.

118. Wind Symphony  
Fall, Spring, 1 credit. 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 credit. 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 and  
percussion literature.

120. Symphony Orchestra  
Fall, Spring, 1 credit. 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.

121. Chamber Orchestra  
Fall, Spring, 1 credit. A student may earn a maximum of 10 credits in all enrollments for this course.  
R: Audition required.  
Rehearsal and performance of representative chamber  
works of baroque, classic and contemporary composers.

122. Campus Orchestra  
Fall, Spring, 1 credit. A student may earn a maximum of 10 credits in all enrollments for this course.  
R: Audition required.  
Rehearsal and performance of representative literary  
works for mixed choir with emphasis on renaissance,  
baroque, classical, romantic, and contemporary composers.

123. Choral Union  
Fall, Spring, 1 credit. 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 credit. 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 choral  
literature chosen from medieval period to the present.

126. State Singers  
Fall, Spring, 1 credit. 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 credit. 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 credit. 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, (1-2) 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)  
R: Open only to students in School of Music.  
Use of the piano as a teaching tool.

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

143. Class Instruction in Voice I: Music  
Majors  
Fall, (1-1)  
C: MUS 151 concurrently. R: Open only to students in  
School of Music with an emphasis in voice.  
English lyric diction. Rules or pronunciation.  
Performance of English language songs in class.

144. Class Instruction in Voice II: Music  
Majors  
Spring, (1-1)  
P: MUS 143 C: MUS 151 concurrently. R: Open only to  
students in School of Music with an emphasis in voice.  
Italian lyric diction. Rules of pronunciation.  
Performance of Italian language songs in class.

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

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

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

148. Class Instruction in Elementary Piano  
II  
Fall, Spring, (2-2-1)  
P: MUS 147. R: Not open to students in School of Music.  
Note reading and performance, folk songs, easy  
tunes, jazz, and shorter classics.

Music School of Music College of Arts and Letters

122. Chamber Music  
Fall, Spring, 1 credit. 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 chamber  
literature at football games.

114. Marching Band  
Fall, 1 credit. 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.

127. University Chorale  
Fall, Spring, 1 credit. 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.
154A. **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 School of Music. Audition required.
Private instruction in piano.

154B. **Piano: Jazz**
Fall, Spring. 1 to 2 credits. A student may earn a maximum of 16 credits in all enrollments for this course.
R: Audition required.
Private instruction in piano.

154C. **Clarinet**
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course.
R: Open only to students in School of Music. Audition required.
Private instruction in clarinet.

154D. **Saxophone**
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course.
R: Audition required.
Private instruction in saxophone.

154E. **Bassoon**
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course.
R: Audition required.
Private instruction in bassoon.

154F. **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: Audition required.
Private instruction in a stringed instrument.

154G. **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: Audition required.
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: Audition required.
Private instruction in percussion instruments.

155A. **Flute**
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course.
R: Audition required.
Private instruction in flute.

155B. **Oboe**
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course.
R: Audition required.
Private instruction in oboe.

155C. **Clarinet**
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course.
R: Audition required.
Private instruction in clarinet.

155D. **Saxophone**
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course.
R: Audition required.
Private instruction in saxophone.

155E. **Bassoon**
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course.
R: Audition required.
Private instruction in bassoon.

155F. **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: Audition required.
Private instruction in a woodwind instrument.

155G. **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: Audition required.
Private instruction in a brass instrument.

156. **Class Instruction in Guitar**
Fall. 1(1-0) R: Open only to students in Music Therapy and to other students in 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.

156A. **Class Instruction in Stringed Instruments**
Fall. 2(2-2) R: Open only to students in Music Therapy and to other students in School of Music with a teacher certification option.
Techniques for playing and teaching stringed instruments.

156B. **Class Instruction in Flute and Saxophone**
Spring. 1 credit. R: Open only to students in School of Music with a teacher certification option.
Techniques for playing and teaching flute and saxophone.

156C. **Class Instruction in Clarinet**
Fall. 1 credit. R: Open only to students in School of Music with a teacher certification option.
Techniques for playing and teaching clarinet.

156D. **Class Instruction in Double Reed Instruments**
Spring. 1 credit. R: Open only to students in School of Music with a teacher certification option.
Techniques for playing and teaching oboe and bassoon.

156E. **Class Instruction in High Brass Instruments**
Fall. 1 credit. R: Open only to students in School of Music with a teacher certification option.
Techniques for playing and teaching trumpet and horn.

156F. **Class Instruction in Low Brass Instruments**
Spring. 1 credit. R: Open only to students in School of Music with a teacher certification option.
Techniques for playing and teaching trombone, euphonium, and tuba.

156G. **Class Instruction in Percussion Instruments**
Fall. 2(2-2) R: Open only to students in Music Therapy and to other students in School of Music with a teacher certification option.
Techniques for playing and teaching percussion instruments.
175. Understanding Music
Fall, Spring. 3(3-0)
An active and creative approach to understanding the elements of music in a wide variety of music styles. No prior musical skills required.

180. Fundamentals of Music
Fall. 2(2-1)
Conceptual and notational presentation of the basic components of musical structure. No previous familiarity with music is assumed.

181. Musicianship I
Spring. 3(3-1)
P: MUS 181.
Hierarchical musical structure through species counterpoint and figured bass. Linear and vertical aspects of tonality.

192. Ear Training and Sight Singing I
Fall. 1(1-1)
Diatonic, melody singing using solfege (movable do) syllables, intervals to octave, error detection, quarter note values in rhythm, part singing.

193. Ear Training and Sight Singing II
Spring. 1(1-1)
P: MUS 182.
Diatonic, singing melodies in major and minor keys. Simple modulation, chromatic alteration, error detection, rhythms, triads and components, part singing.

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

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

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

230. Beginning Jazz Improvisation I
Fall. 2(2-1)
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(2-1)
P: MUS 221. 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.

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

248. German Diction for Singers
Fall. 1(1-1)
P: MUS 151. R: Open only to students in 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 School of Music.

250. Introduction to School Music
Fall, Spring. 2(2-1)
R: Not open to freshmen. Open only to students in the School of Music with a teacher certification option and to students in the School of Music with a Music teaching minor.

251. Music Theory: Foundations and Principles
Fall. 3(3-0)
R: Not open to freshmen.
History, philosophy, and scope of the practice of music therapy. Use of music in treating people with special needs. Field trips required.

252. Music Therapy: Instrumental, Vocal, and Movement Techniques
Spring. 3(3-0)
P: MUS 252.
Creative and expressive techniques involving percussion instruments, autoharp, handchimes, song leading, creative movement, folk dance.

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

255. Saxophone
Fall, Spring. 1(1-1)
P: MUS 255.
R: Open only to majors in School of Music. Methods of teaching saxophone. Literature to Mid-19th century Western music. Stylistic and formal analysis of music. Half-credit. Not open to freshmen.

257. Voice Training
Fall, Spring. 1(1-1)
P: MUS 257.
R: Open only to freshmen.
Techniques of diatonic modulation and soprano harmonization. Chromatic techniques.

258. Voice Master Class
Fall, Spring. 1(1-1)
P: MUS 258.
R: Open only to majors in School of Music. Methods of teaching voice. Literature to both private lessons and classrooms.

259. Voice Master Class II
Fall, Spring. 1(1-1)
P: MUS 259.
R: Open only to majors in School of Music. Methods of teaching voice. Literature to both private lessons and classrooms.

260. Advanced Ear Training and Sight Singing I
Fall. 1(1-1)
P: MUS 183.
Diatonic, melody singing in major and minor keys. Ranges of major and minor keys. Transcriptions of recorded solos.

261. Advanced Ear Training and Sight Singing II
Spring. 1(1-1)
P: MUS 222.
Diatonic, melody singing in major and minor keys. Ranges of major and minor keys. Transcriptions of recorded solos.

290. Independent Study
Fall, Spring. 1 to 6 credits.
R: Approval of school.
Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

300. Advanced Jazz Improvisation I
Fall. 2(2-0)
P: MUS 231. R: Not open to freshmen and sophomores. Secondary dominants, borrowed chords, and tritone substitutions. Transcription of recorded jazz solos.

301. Advanced Jazz Improvisation II
Spring. 2(2-0)
P: MUS 330. R: Not open to freshmen and sophomores. Polytonic scale relationships within II-V-I progressions. All major approaches to improvisation. Non-traditional chord progressions. Transcription of recorded jazz solos.

335. Ensemble Conducting I
Fall. 2(2-2)
P: MUS 181. R: Open only to students in the School of Music with a Music teaching minor option and to students with a Music teaching minor.

350B. Ensemble Conducting II: Instrumental
Spring. 2(2-0)
P: MUS 250. R: Open only to students in the School of Music with a Music teaching minor option and to students with a Music teaching minor.
Advanced conducting and rehearsal techniques as applied to music literature from each of the stylistic periods.
SA: MUS 336

357. Conducting for Music Performance Majors
Fall, Spring. 1(1-1)
R: Open only to Music Performance majors.

364. Oratorio
Fall, Spring. 3(3-1)
P: MUS 264.
R: Open only to students in School of Music.

370. Advanced Class Instruction in Piano II
Spring. 1(1-1)
P: MUS 241. R: Not open to freshmen. Open only to students in School of Music with an emphasis in voice. Use of the piano as a teaching tool in school music.

371. Advanced Class Instruction in Piano III
Fall, Spring. 1(1-1)
P: MUS 241. R: Not open to freshmen. Open only to students in School of Music with an emphasis in voice. Use of the piano as a teaching tool in school music.

371A. Advanced Class Instruction in Piano IV
Spring. 1(1-1)
P: MUS 241. R: Not open to freshmen. Open only to students in School of Music with an emphasis in voice. Use of the piano as a teaching tool in school music.

371B. Advanced Class Instruction in Piano V
Fall. 1(1-1)
P: MUS 241. R: Not open to freshmen. Open only to students in School of Music with an emphasis in voice. Use of the piano as a teaching tool in school music.

371C. Advanced Class Instruction in Piano VI
Spring. 1(1-1)
P: MUS 241. R: Not open to freshmen. Open only to students in School of Music with an emphasis in voice. Use of the piano as a teaching tool in school music.

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

372A. Advanced Class Instruction in Piano VIII
Spring. 1(1-1)
P: MUS 241. R: Not open to freshmen. Open only to students in School of Music with an emphasis in voice. Use of the piano as a teaching tool in school music.

372B. Advanced Class Instruction in Piano IX
Fall. 1(1-1)
P: MUS 241. R: Not open to freshmen. Open only to students in School of Music with an emphasis in voice. Use of the piano as a teaching tool in school music.

372C. Advanced Class Instruction in Piano X
Spring. 1(1-1)
P: MUS 241. R: Not open to freshmen. Open only to students in School of Music with an emphasis in voice. Use of the piano as a teaching tool in school music.

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

373A. Advanced Class Instruction in Piano XII
Spring. 1(1-1)
P: MUS 241. R: Not open to freshmen. Open only to students in School of Music with an emphasis in voice. Use of the piano as a teaching tool in school music.
415.  Art Song Literature: German
Fall of even-numbered years. 2(2-1)
P: MUS 181. R: Open only to majors in School of Music. 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-numbered years. 2(2-1)
P: MUS 181. R: Open only to majors in School of Music. 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-numbered years. 2(2-0)
P: MUS 212. R: Not open to freshmen and sophomores. Open only to Music majors.
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.

421.  19th Century European-American Music Literature
Spring of odd-numbered years. 2(2-0)
P: MUS 212. R: Not open to freshmen and sophomores. Late classical and romantic period traditions: styles, genres, forms, theories, aesthetics, performance practices, instruments and masterworks in sociopolitical context. Aural and score analysis of representative works.

422.  20th Century European-American Music Literature
Spring of even-numbered years. 2(2-0)
P: MUS 212. R: Not open to freshmen and sophomores. Twentieth-century styles, genres, forms, theories, aesthetics, performance practices, instrumental and masterworks in sociopolitical context. Aural and score analysis of representative works.

423.  History of Opera
Fall of odd-numbered years. 2(2-0)
P: MUS 212. R: Open only to majors in School of Music. Musical, cultural, and social significance of opera since 1660.

425.  Music of South Asia and Its Diaspora
Fall of odd-numbered years. 2(2-0)
P: MUS 212. R: Not open to freshmen and sophomores. Music associated with the cultures of South Asian India and Pakistan, and South Asian musical practices in its Diaspora.

426.  Music of West Africa
Spring of odd-numbered years. 2(2-0)
P: MUS 212. R: Not open to freshmen and sophomores. Music associated with the cultures of West Africa.

427.  Music of Asia, the Pacific, and the Near East
Fall. 2(2-0)
P: MUS 212. R: Open only to majors in School of Music. Music in the cultures of the Asian continent and Pacific islands. Techniques of ethnomusicology, listening and analysis.

428.  Music of Africa, Europe, and the Americas
Spring. 2(2-0)
P: MUS 212. R: Open only to majors in School of Music. Music in the cultures of Africa, Europe, and the Americas with emphasis on folk and vernacular traditions. Techniques of ethnomusicology, listening and analysis.

429.  Music of East and Southeast Asia
Fall of even-numbered years. 2(2-0)
P: MUS 212. R: Not open to freshmen and sophomores. Music associated with the cultures of East and South-East Asia.

430.  Music of the Caribbean
Spring of even-numbered years. 2(2-0)
P: MUS 212. R: Not open to freshmen and sophomores. Music with the cultures of the Caribbean.

432.  Jazz Arranging I
Fall. 2(2-0)
P: MUS 281.
Jazz instrumental writing focusing on voicing concepts for standard jazz chord progressions, melody and counter-melody, and standard forms. Beginning orchestration techniques which emphasize form.

433.  Jazz Arranging II
Spring. 2(2-0)
P: MUS 332.
Jazz instrumental writing focusing on orchestration and arranging concepts for large jazz ensembles. Voicing of choruses within and across sections. Orchestration techniques which emphasize form.

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

440.  Electronic and Computer Music Literature
Fall. 3(3-0)
P: MUS 281. R: Not open to freshmen and sophomores. Music literature composed with tape recorders, synthesizers and computers.

441.  Introduction to Computer Music
Fall, Spring. 3(3-0)

442.  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.
R: MUS 441.
Independent composition or research in computer music. Assigned use of computer music studios.

448.  Advanced Keyboard Methods and Literature I
Fall. 2(2-0)
P: MUS 347. R: Open only to majors in School of Music. Advanced piano literature for private lessons and classroonm.

449.  Advanced Keyboard Methods and Literature II
Spring. 2(2-0)
P: MUS 448. R: Open only to majors in School of Music. Advanced piano literature for private lessons and classroonm.

457.  Teaching Instrumental Music in the Elementary School
Fall. 3(2-2)
P: MUS 339. R: Open only to seniors and graduate students in the School of Music and to seniors and graduate students with a Music teaching minor. Techniques for developing instrumental music programs in grades 4-6. Topics include curriculum, pedagogy, materials, and program administration. Clinical experiences in schools required.

458.  Teaching Instrumental Music in the Secondary School
Spring. 3(2-2)
P: MUS 339. R: Open only to seniors and graduate students in the School of Music and to seniors and graduate students with a Music teaching minor. Techniques for developing instrumental music programs in grades 7-12. Topics include curriculum, pedagogy, materials, and program administration. Clinical experiences in schools required.

460.  Computers in School Music
Fall. 2(2-1)
P: MUS 212. R: Not open to freshmen and sophomores. Open only to students in the School of Music with a teacher certification option and to students with a Music teaching minor. Techniques and principles of computer-assisted music instruction in school programs. Emphasis on appropriate software and hardware for teaching and management.

461.  Marching Band Methods
Spring. 2(2-0)
P: MUS 212. R: Open only to majors in School of Music. Beginning levels of Suzuki violin pedagogy.

462.  Suzuki Methods and Materials
Spring. 2(2-0)
P: MUS 212. R: Not open to freshmen and sophomores. Not open to students in the School of Music. How children learn music from early childhood to grade three.

464.  Methods and Materials of Elementary Music II
Spring. 2(2-0)

466.  Teaching General Music in the Elementary School
Techniques for developing general music programs in grades K-6. Topics include curriculum, pedagogy, materials, and program administration. Clinical experiences in schools required.
448. 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.

449. Special Topics in Music
Fall, Spring, 1 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Approval of school. Special topics supplementing regular course offerings proposed by faculty for group study.

450. Music Therapy: Clinical Practicum
Fall, Spring. 1 credit.
R: P: MUS 471. R: Open only to Music Therapy majors. Six months of internship in an approved music therapy clinical program at an accredited treatment center.

451. Directed Teaching
Fall, Spring, 3 credits. Interdepartmental with Teacher Education.
R: P: MUS 200, MUS 335, MUS 336, MUS 350, MUS 400. R: Open only to seniors in Instrumental Music Education, Stringed Instrument Music Education, and Vocal General Education.

452. Research Methods and Materials in Music
Fall. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course.
R: Approval of school. Supervised research, presentation, and documentation of research. Encyclopedias, indices, databases, and other aids.

453. Seminar in Ethnomusicology
Fall, 3 credits. Historical development of ethnomusicology. Theories and techniques of the discipline.

454. Fieldwork in Ethnomusicology
Fall, 3 credits. Fieldwork methods and experience. Theoretical issues. Research strategies and techniques.

455. Medieval Music
Fall, 3 credits.
R: P: MUS 850 recommended. R: Open only to graduate students in School of Music.
European music to 1400. Emphasis on polyphonic music, with some attention to Gregorian chant and secular monophony.

456. Renaissance Music
Spring, 3(3-0)
R: Open only to graduate students in School of Music. European music, sacred and secular, from 1400 to 1600.

457. 17th-Century Music
Fall, 3 credits.
R: P: MUS 830 recommended. R: Open only to graduate students in School of Music.
Instrumental and vocal music in Europe from 1600 to 1700. Development of genres and of national styles.

458. Secondary or Specialist Emphasis: Piano
Fall, Spring, 1 to 3 credits. A student may earn a maximum of 8 credits in all enrollments for this course.
R: Open only to graduate students in School of Music. Approval of school. Audition required. Not open to students with an emphasis in piano.
Instruction in piano for students whose principal instrument is not piano.

459. Secondary or Specialist Emphasis: String
Fall, Spring, 1 to 3 credits. A student may earn a maximum of 8 credits in all enrollments for this course.
R: Open only to graduate students in School of Music. Not open to students with a emphasis in voice. Approval of school required. Instruction in voice techniques for students whose principal emphasis is not voice.

460. Secondary or Specialist Emphasis: Woodwind
Fall, Spring, 1 to 3 credits. A student may earn a maximum of 8 credits in all enrollments for this course.
R: Open only to graduate students in School of Music. Approval of school. Audition required. Instruction in flute, clarinet, oboe, bassoon, or saxophone.

461. Piano Performance
Fall, Spring, 1 to 3 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Open only to graduate students in School of Music. Approval of school. Critique and analysis of individual performances of piano literature in a group setting.

462. Secondary or Specialist Emphasis: Woodwind
Fall, Spring, 1 to 3 credits. A student may earn a maximum of 8 credits in all enrollments for this course.
R: Open only to graduate students in School of Music. Approval of school. Audition required.
Instruction in flute, clarinet, oboe, bassoon, or saxophone.

463. Advanced Orchestration
Spring, 2(2-0)
R: P: MUS 484. R: Open only to majors in School of Music. Transcription techniques. Orchestral devices and styles. Additional percussion material, harp, and auxiliary instruments.

464. Secondary or Specialist Emphasis: Voice
Fall, Spring, 1 to 3 credits. A student may earn a maximum of 8 credits in all enrollments for this course.
R: Open only to graduate students in School of Music. Not open to students with an emphasis in voice. Approval of school required. Instruction in vocal techniques for students whose principal emphasis is not voice.

465. Research in Music Therapy and Research Methods and Materials in Music
Fall, Spring, 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course.
R: Approval of school. Supervised research, presentation, and documentation of research. Encyclopedias, indices, databases, and other aids.

466. Seminar in Ethnomusicology
Fall, 3 credits. Historical development of ethnomusicology. Theories and techniques of the discipline.

467. Fieldwork in Ethnomusicology
Fall, 3 credits. Fieldwork methods and experience. Theoretical issues. Research strategies and techniques.

468. Medieval Music
Fall, 3 credits.
R: P: MUS 830 recommended. R: Open only to graduate students in School of Music.
European music to 1400. Emphasis on polyphonic music, with some attention to Gregorian chant and secular monophony.

469. Renaissance Music
Spring, 3(3-0)
R: Open only to graduate students in School of Music. European music, sacred and secular, from 1400 to 1600.

470. 17th-Century Music
Fall, 3 credits.
R: P: MUS 830 recommended. R: Open only to graduate students in School of Music.
Instrumental and vocal music in Europe from 1600 to 1700. Development of genres and of national styles.

471. Secondary or Specialist Emphasis: Piano
Fall, Spring, 1 to 3 credits. A student may earn a maximum of 8 credits in all enrollments for this course.
R: Open only to graduate students in School of Music. Approval of school. Audition required. Not open to students with an emphasis in piano.
Instruction in piano for students whose principal instrument is not piano.

472. Secondary or Specialist Emphasis: String
Fall, Spring, 1 to 3 credits. A student may earn a maximum of 8 credits in all enrollments for this course.
R: Open only to graduate students in School of Music. Not open to students with a emphasis in voice. Approval of school required. Instruction in voice techniques for students whose principal emphasis is not voice.

473. Secondary or Specialist Emphasis: Woodwind
Fall, Spring, 1 to 3 credits. A student may earn a maximum of 8 credits in all enrollments for this course.
R: Open only to graduate students in School of Music. Approval of school. Audition required. Instruction in flute, clarinet, oboe, bassoon, or saxophone.
Music—Descriptions of Courses

852A. Violin
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 violin. Approval of school. Audition required.
Private instruction in violin.

852B. Viola
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 viola. Approval of school. Audition required.
Private instruction in viola.

852C. Cello
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 cello. Approval of school. Audition required.
Private instruction in cello.

852D. Double Bass
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 double bass. Approval of school. Audition required.
Private instruction in double bass.

853A. Flute
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 flute. Approval of school. Audition required.
Private instruction in flute.

853B. Oboe
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 oboe. Approval of school. Audition required.
Private instruction in oboe.

853C. Clarinet
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 clarinet. Approval of school. Audition required.
Private instruction in clarinet.

853D. Saxophone
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 saxophone. Approval of school. Audition required.
Private instruction in saxophone.

853E. Bassoon
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 bassoon. Approval of school. Audition required.
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. Approval of school. Audition required.
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. Approval of school. Audition required.
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. Approval of school. Audition required.
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. Approval of school. Audition required.
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. Approval of school. Audition required.
Private instruction in tuba.

856. 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. Approval of school. Audition required.
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. Approval of school. Audition required.
Performance of pre-20th century chamber music under faculty direction.

857. 20th-Century Chamber Music
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 graduate students in School of Music. Approval of school. Audition required.
Performance of 20th century chamber music under faculty direction.

858A. Seminar in Band 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. Approval of school. Audition required.
Advanced band 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. Approval of department. Approval of school; audition required.
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. Approval of school. Audition required.
Advanced conducting techniques for choral and instrumental music of all periods.

859. Choral Techniques and Materials
Spring of even-numbered 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. Advanced development of choral proficiency. Demonstrations of choral techniques. Conducting by students. Examination and evaluation of new materials. Variable content.

860. Seminar in History and Philosophy of Music Education
Spring of even-numbered years. 3(3-0) R: Open only to graduate students in College of Arts and Letters and in College of Education.
A comparison of 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) R: Open only to graduate students in College of Arts and Letters and in College of Education.
Psychological foundations of music teaching and learning. Psychological research on problems of music teaching.

862. Seminar in Music Curriculum and Methodology
Fall. 3(3-0) R: Open only to graduate students in College of Arts and Letters and in College of Education.
Historical, philosophical, and psychological foundations of music education curriculum and methodology. Curriculum development and implementation.

864. Research in Music Education and Music Therapy
Fall, Summer of even-numbered years. 3(3-0) R: Open only to graduate students in College of Arts and Letters and in College of Education.
Methods of research in music education and music therapy. Conceptualizing and implementing 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.

866. Advanced Methods and Materials in Elementary 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 elementary schools. Topics vary.
Descriptive Information —Music of Courses

868. Current Studies in Music Theory
Fall, 2-2-0
R: Open only to graduate students in Music Theory and in Music Education.
Evaluation of current research in various areas of music theory as stress and pain reduction, and music psychotherapy.

869. Education, and Administration in Music Theory
Spring, 3-3-0
R: Open only to graduate students in Music Theory. Administration of clinical and educational programs in music therapy. Curriculum development. Clinical preparation. Ethical, fiscal, and regulatory issues.

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

871. Contrapuntal Techniques II
Spring of even-numbered years, 3(3-0)
P: 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-numbered years, 3(3-0)
P: MUS 500 recommended. 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 the School of Music. Theory and practice in scoring for orchestra and band.

878. Advanced Scoring for Orchestra and Band
Fall, 2-2-1
P: MUS 577. 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.

879. 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.

880. 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.

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

882. Independent Study
Fall, Spring, Summer 1 to 10 credits.
R: Open only to graduate students in Music Theory. 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 individual graduate student and faculty member in areas supplementing regular course offerings.

883. Special Topics
Fall, Spring, Summer 1 to 10 credits.
R: Open only to graduate students in School of Music. Special topics supplementing regular course offerings proposed by faculty on a group study basis for graduate students.

884. Seminar in Music History
Fall, Spring, 1 to 6 credits.
A student may earn a maximum of 12 credits in all enrollments for this course.
R: Open only to graduate students in School of Music. Approval of school. Various areas of music history, such as major composers, development of genres, criticism, or cultural context.

885. Recital Performance
Fall, Spring, Summer 1 to 4 credits.
A student may earn a maximum of 10 credits in all enrollments for this course.
R: Open only to master's students in School of Music. Approval of school.

886. Concert Conducting
Fall, Spring, Summer 1 to 4 credits.
A student may earn a maximum of 10 credits in all enrollments for this course.
R: Open only to master's students in Music Performance. Approval of school.

887. Master's Research
Fall, Spring, Summer 1 to 10 credits.
A student may earn a maximum of 20 credits in all enrollments for this course.
R: Open only to master's students in School of Music. Approval of school.

888. Master's Thesis Research
Fall, Spring, Summer 1 to 10 credits.
A student may earn a maximum of 20 credits in all enrollments for this course.
R: Open only to master's students in School of Music. Approval of school.

889. Seminar in 18th Century Music
Spring of odd-numbered years, 3(3-0)
R: Open only to graduate students in School of Music. Research on topics in eighteenth-century music.

890. Seminar in 19th-Century Music
Fall of even-numbered years, 3(3-0)
R: Open only to doctoral students in School of Music. Selected topics in nineteenth-century music.

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

892. 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. Approval of school. Audition required.

893. Organ
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 organ. Approval of school. Audition required.

894. Harp
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 harp. Approval of school. Audition required.

895. 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. Approval of school. Audition required.

896. 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. Approval of school. Audition required.

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Music - Descriptions of Courses

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. Approval of school. Audition required.
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. Approval of school. Audition required.
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. Approval of school. Audition required.
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. Approval of school. Audition required.
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. Approval of school. Audition required.
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. Approval of school. Audition required.
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. Approval of school. Audition required.
Private instruction in saxophone.

953E. Bassoon
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 bassoon. Approval of school. Audition required.
Private instruction in bassoon.

953F. 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. Approval of school. Audition required.
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. Approval of school. Audition required.
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. Approval of school. Audition required.
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. Approval of school. Audition required.
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. Approval of school. Audition required.
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. Approval of school. Audition required.
Private instruction in percussion.

955A. Seminar in Band 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. Approval of school; audition required.
Advanced band conducting, including core repertoire examination and execution, with emphasis on 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. Approval of school; audition required.
Advanced conducting techniques for the orchestral literature of all periods for string, chamber, and symphony orchestras.

955C. 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. Approval of school; audition required.
Advanced conducting techniques for choral and instrumental music of all periods.

968. Seminar in Measurement in Music Education
Spring of odd-numbered years. 3(3-0)
P: MUS 884, MUS 885 or approval of school. R: Open only to graduate students in Music Education or approval of school.
Theory and practice of measuring musical behavior in terms of aptitude and achievement. Current trends in cognitive, affective, and psychomotor measurement in music.

969. Seminar in Music Teacher Education
Fall of odd-numbered years. 3(3-0)
P: Open only to graduate students in College of Arts and Letters and in College of Education.
Issues, trends and strategies for preparing prospective music educators.

972. Analytical Studies I
Fall, 3(3-0)
R: Open only to graduate students in 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.
SA: MUS 971

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