MILITARY SCIENCE  M S  

All University

041. General Military Science
Application of leadership techniques, the decision making process and staff planning. Military customs and traditions. Students will concurrently enroll in a selected non-Military Science course to fulfill military professional requirements.

A. Military Traditions—M S I
   Winter. 0(0-1) Approval of department.

B. Evolution of Military Leadership—M S II
   Fall. 0(0-1) Approval of department or M S III standing. HST 223 concurrently.

C. Military Career Preparation—M S II
   Spring. 0(0-1) Approval of department or M S II standing.

D. Advanced Camp Preparation—M S III
   Winter. 0(0-1) Approval of department or M S III standing.

E. Military Staff Organization—M S IV
   Fall. 0(0-1) Approval of department or M S IV standing.

121. Preview of Military Science
Fall, Winter. 1(0-0) Approval of department. Role of the ROTC officer in the Army. Assists the student in planning a curriculum to satisfy requirements for a commission.

122. Marksmanship and Hunter Safety
Fall, Spring. 1(0-2) 121 or approval of department. Small arms marksmanship and safety. Practical exercises on local firing ranges. Individual basic military marksmanship and the skills necessary to participate in a competitive or recreational shooting program.

223. Terrain Analysis and Land Navigation
Winter, Spring. 3(3-0) 121 and approval of department. Military maps, map construction, specifications and uses. Includes both a study of aerial photographs and an introduction to remote energy sensors employed by defense agencies as they relate to tactical operations.

324. Military Teaching
Fall, Winter. 4(4-2) Basic course, approval of department. Methods of teaching manipulative skills to groups with varying educational backgrounds. Emphasis on determination of entry behavior, progress analysis, testing and test construction. Introduction to current teaching aids. Practical experiences in simulated field situations is stressed during laboratory.

325. Military Management
Spring. 4(3-2) 324 or approval of department. Task analysis approach to missions. The subject of tactics is used as a teaching vehicle for the managerial approach to the preparation and execution phases of military operations. Emphasis is placed on physical and moral leadership during the laboratory sections.

426. Military Law
Winter. 4(4-0) Approval of department. Jurisdiction and responsibility of the Army commander and junior leader in the application of military justice. Implications of Army operations as related to the rules of land warfare.

427. Seminar
Spring. 1(1-0) Approval of department. Precommissioning orientation stressing current military policies, procedures, customs and trends.

499. Independent Study in Military Science
Fall, Winter, Spring, Summer. 1 to 3 credits. May re-enroll for a maximum of 6 credits. Approval of department and juniors. Individual research and study in an area related to military science as approved and directed by the Department of Military Science.

133. Orchestra
Fall, Winter, Spring. 1(0-5) May re-enroll for a maximum of 12 credits. Membership determined by audition. Standard overtures and symphonies studied and publicly performed. Attendance at all rehearsals and public concerts obligatory.

135. Music in Elementary Education
Fall, Winter, Spring, Summer. 4(3-3) Elementary education majors. Basis, scope and sequence of music instruction in the elementary schools with an introduction to basic knowledge and skills used in elementary school music.

141. Class Instruments and Voice
Fall. 1(0-0) Knowledge of notation. Music majors, or approval of department. Class instruction in piano, voice, violin, cello, clarinet, and cornet.

142. Class Instruments and Voice
Winter. 1(0-2) 141. Continuation of 141.

143. Class Instruments and Voice
Spring. 1(0-0) 142. Continuation of 142.

145. Music Foundations I
Fall, Winter, Spring. 3(3-0) 135 and approval of department. Development of understanding and knowledge of music fundamentals, ear training, music reading, rhythm, and other basic music perceptions. Designed specifically for elementary classroom teachers who elect a strong concentration in music.

147. Elementary Piano
Fall, Winter, Spring. 5(2-2) 145 or approval of department. Elementary Education and Physical Education and Recreation majors. Beginning class piano instruction. Development of ability to play the three principal chords in all keys and to harmonize simple melodies using these chords. Transposition of simple melodies. Ability to play melodies and rhythms suitable for use in lower intermediate grades or in recreation work.

148. Elementary Piano
Winter, Spring. 2(2-2) 147. Elementary Education majors. Continuation of 147.

150. Keyboard Instruments and Harp
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 24 credits. Audition required. Instruction in piano, organ and harp.

151. Voice
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 24 credits. Audition required.

152. Stringed Instruments
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 24 credits. Audition required.

153. Woodwind Instruments
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 24 credits. Audition required.

154. Brass Instruments
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 24 credits. Audition required.
155. Percussion  
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 24 credits. Audition required.

180. Basic Harmony  
Fall. 3(3-4)  
Fundamentals of basic musicianship: notation, clefs, scales, intervals, triads, meter, rhythm, and tonality. The analysis and writing of diatonic harmony in the style of the Bach 4-part chorale.

181. Basic Harmony  
Winter. 3(3-1) 180.  
Continuation of 180.

182. Basic Harmony  
Spring. 3(3-1) 181.  
Continuation of 181.

183. Aural Harmony  
Fall, Winter, Spring, Summer. 1(0-2) 180 concurrently.  
The aural counterpart of basic harmony. Drill in harmonic, melodic and rhythmic dictation. Sight-singing and keyboard harmony.

184. Aural Harmony  
Fall, Winter, Spring, Summer. 1(0-2) 183; 181 concurrently.

185. Aural Harmony  
Fall, Winter, Spring, Summer. 1(0-2) 164; 192 concurrently.

190. State Singers  
Fall, Winter, Spring. 1(0-4) May re-enroll for a maximum of 12 credits. Membership determined by audition; ability to sight read. Four hours of rehearsals a week. Attendance at all rehearsals and public performances obligatory.

191. Chorus  
Fall, Winter, Spring, Summer. 1(0-2½)  
May re-enroll for a maximum of 12 credits. Membership determined by audition. Two and one-half hours of rehearsals per week. Attendance at all rehearsals and public concerts obligatory.

192. Glee Club, Men and Women  
Fall, Winter, Spring. 1(0-3) May re-enroll for a maximum of 12 credits. Membership determined by audition. Three hours of rehearsals a week. Attendance at all rehearsals and public concerts obligatory.

193. University Chorale  
Fall, Winter, Spring. 1(0-4) Audition.  
Choral ensemble designed primarily for graduate and upper class undergraduate students. Representative literature for chamber chorale with emphasis on Renaissance, Baroque, and contemporary composers. Limited to 25 students.

195. Jazz Laboratory Band  
Fall, Winter, Spring, Summer. 1(0-4)  

200H. Honors Work  
Fall, Winter, Spring, Summer. 1 to 16 credits. May re-enroll for a maximum of 16 credits. Approval of department.

IDC. Introduction to Latin America I  
For course description, see Interdisciplinary Courses.

224. History of Music  
Fall. 3(3-0) 183.  
Music from ancient Greece through Romanesque and Gothic periods, concluding with the Renaissance. Greek theory and "echo"; age of plainsong; development of polyphony; instruments peculiar to period under question.

225. History of Music  
Winter. 3(3-0) 224.  
Baroque and classical periods. Special attention to fugue, opera, oratorio, sonatas, and symphony. Analysis of characteristic works.

226. History of Music  
Spring. 3(3-0) 225.  
Romantic period, impressionism, and contemporary trends. Continuation of development of form, melody, rhythm, and tonality. Final examination is comprehensive, covering 224, 225 and 226.

241. Advanced Class Piano  
Fall. 1(0-2) 143 or approval of department. Continuation of Class Piano 143. Special emphasis given to developing practical skills at the piano for use in the public school classroom.

242. Advanced Class Piano  
Winter. 1(0-2) 241 or approval of department. Continuation of 241.

243. Advanced Class Piano  
Spring. 1(0-2) 242 or approval of department. Continuation of 242.

245. Music in Special Education  
Fall, Winter, Spring, Summer. 3(3-0) 135.  
Special education majors. Methods of teaching music in special education programs.

271. Fundamentals of Music  
Fall, Winter, Spring. 3(3-1) Non-majors.  
Fundamentals of music to develop understanding and knowledge of scales and modes, key signatures, chord structures, chord progressions and non-harmonic tones.

272. Introduction to Music Literature I  
Fall, Winter, Spring, Summer. 3(3-0) Non-majors.  
An introduction to music in the Western tradition. The elements of musical expression and the techniques of musical analysis in connection with representative musical masterpieces of the Middle Ages, the Renaissance, the Baroque, the period of Classicism and Romanticism, and the twentieth century.

273. Introduction to Music Literature II  
Fall, Winter, Spring, Summer. 3(3-0) 272 non-majors.  
Continuation of 272. Music of the eighteenth century. Among composers to be studied are: Vivaldi, D. Scarlatti, F. Couperin, Bach, Handel, Haydn and Mozart. Demonstrates the major types and media of composition from the late Baroque to early Romanticism and clarifies the stylistic trends of the time.

280. Advanced Harmony  
Fall. 3(0-3) 152.  
Continuation of 182, with added vocabulary and technique through nineteenth century harmony. Creative writing in small forms.

281. Advanced Harmony  
Winter. 3(0-1) 280.  
Continuation of 280.

282. Advanced Harmony  
Spring. 3(0-3) 281.  
Continuation of 281.

283. Advanced Aural Harmony  
Fall, Winter, Spring, Summer. 1(0-2) 185; 280 concurrently.  
Aural counterpart of advanced harmony. Drill in harmonic, melodic and rhythmic dictation. Sight-singing and keyboard harmony.

284. Advanced Aural Harmony  
Fall, Winter, Spring, Summer. 1(0-2) 293; 281 concurrently.

285. Advanced Aural Harmony  
Fall, Winter, Spring, Summer. 1(0-2) 284; 292 concurrently.

289. Opera Workshop  
Fall, Winter, Spring. 1 to 2 credits. May re-enroll for a maximum of 6 credits. Approval of department. Repertoire coaching, diet, interpretation. Study and performance of entire operas and excerpts from the standard and contemporary repertories; production of musicals (with Speech and Theatre Department); TV opera productions on Station WKAR.

314. Church Service Playing  
Fall, Winter, Spring, Summer. 2(0-2) May re-enroll for a maximum of 6 credits. Three terms of pipe organ. Instruction in adapting pipe organ and orchestral accompaniment to organ; choosing organ and choir repertoire appropriate to church season; hymn playing, modulation, and ways to help unify service.

320. Music Workshop  
Summer. 1 to 6 credits. May re-enroll for a maximum of 12 credits. Approval of department.

322. Carillon  
Fall, Winter, Spring, Summer. 2 credits. May re-enroll for credit. 193; 6 terms of piano and approval of department. Carillon playing technique, style and interpretation, arranging, adapting composition and improvisation. Survey of ensemble combinations with other instruments. Mechanical aspects of the instrument and bell acoustics. Carillon art and tradition, bell founders, literature and composers.
334. Composing and Arranging for Jazz Ensembles
Fall, Winter, Spring, Summer. 3(2-2)
May re-enroll for a maximum of 9 credits. 182; approval of department.
Techniques of composition and arranging in jazz idiom for various instrumental and/or vocal ensembles. Analytical studies of scores, recorded examples and published sheet band materials. Writing for films and commercials.

Continuation of 335.

335. Ensemble and Conducting
Fall, Spring. 3(1-4) 185 or approval of department.
Principles of conducting correlated with application in ensembles of vocal and instrumental class instruction. Survey of vocal and instrumental ensemble literature suitable for school use. Individual conducting stressed.

Continuation of 336.

336. Ensemble and Conducting
Winter. 3(1-4) 335.
Continuation of 335.

340. Class Instruments
Fall, Winter, Spring. 1(0-2)
May re-enroll for credit. Majors.
Study for one term of instruments not included among basic instruments. Not more than two may be studied at same time. Class instruction in viola, string bass, flute, oboe, bassoon, French horn, trombone, and percussion.

341. Teaching Music in the Elementary School I
Fall, Winter, Spring, Summer. 3(3-0)
Approval of department.
Procedures and program of music instruction in the elementary school. Special emphasis on instructional problems of early elementary children.

342. Teaching Music in the Elementary School II
Winter, Spring. 3(3-0) 345 and approval of department.
Continuation of 345 with emphasis on upper elementary music. Approaches to music reading, harmonization and analytical listening.

347. Methods and Literature
Fall, Summer of odd-numbered years. 2(1-2) Six terms of study on applied instrument or voice, or approval of department. Methods of teaching voice or instruments. Study of appropriate teaching literature.

348. Methods and Literature
Winter. 2(1-2) Six terms of study on applied instrument or voice, or approval of department. Methods of teaching voice or instruments. Study of appropriate literature.

349. Methods and Literature
Spring, Summer of even-numbered years. 2(1-2) Six terms of study on applied instrument or voice, or approval of department. Methods of teaching voice or instruments. Study of appropriate teaching literature.

350. Keyboard Instruments and Harp
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 24 credits. Six terms of 150 or approval of department.
Continuation of 150.

351. Voice
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 24 credits. Six terms of 151 or approval of department.
Continuation of 151.

352. Stringed Instruments
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 24 credits. Six terms of 152 or approval of department.
Continuation of 152.

353. Woodwind Instruments
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 24 credits. Six terms of 153 or approval of department.
Continuation of 153.

354. Brass Instruments
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 24 credits. Six terms of 154 or approval of department.
Continuation of 154.

355. Percussion
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 24 credits. Six terms of 155 or approval of department.
Continuation of 155.

356. Sight Reading at the Piano
Fall, Winter, Spring, Summer. 1 to 2 credits. May re-enroll for a maximum of 6 credits. Three terms of piano.
Establish principles of good sight reading, accompanying and free keyboard harmonization.

357. Counterpoint
Winter, Summer. 2(2-0) 396.
Continuation of 396.

358. Counterpoint
Spring, Summer. 2(2-0) 388.
Continuation of 397.

400. Clinical Training in Music Therapy
Fall, Winter, Spring, Summer. 1 to 18 credits. May re-enroll for a maximum of 16 credits. Music Therapy majors.
Six months internship in an accredited neuropsychiatric hospital.

400F. Honors Work
Fall, Winter, Spring, Summer. 1 to 16 credits. May re-enroll for a maximum of 16 credits. Approval of department.

403. Music Literature for Children
Fall, Winter, Spring, Summer. 3(3-0) 346, or ED 327R or 327P.
Appropriate musical materials for both performance and listening instruction in elementary and secondary schools. Particular emphasis on the music of culturally different peoples.

411. Opera
Winter of odd-numbered years. 2(1-2)
Six terms of voice or approval of department. History of opera from 1600 to the present.

412. Oratorio
Fall of even-numbered years. Summer. 2(1-2) Six terms of voice or approval of department.
History of oratorio from 1600 to the present.

415A. Renaissance Music
Fall. 2 credits. 182 or approval of department.

415B. 19th Century Music
Fall. 2 credits. 182 or approval of department.

415C. Keyboard Music, Seventeenth through Eighteenth Centuries
Fall of even-numbered years. 2 credits. 182 or approval of department.

415E. German Lieder
Fall of odd-numbered years. 2 credits. 182 or approval of department.

415F. Organ Literature to 1700
Fall of odd-numbered years. 2 credits. 182 or approval of department.

416A. Baroque Music
Winter. 2 credits. 182 or approval of department.

416B. Twentieth Century Music, European
Winter. 2 credits. 182 or approval of department.

416C. Piano Music, Nineteenth Century
Winter of odd-numbered years. 2 credits. 182 or approval of department.

418E. French-Italian Art Song
Winter of even-numbered years. 2 credits. 182 or approval of department.
416F. Organ Literature From 1700 to 1900
Winter. 2 credits. 182 or approval of department.

417A. Classical Music
Spring. 2 credits. 182 or approval of department.

417B. Twentieth Century Music, American
Spring. 2 credits. 182 or approval of department.

417C. Piano Music, Twentieth Century
Spring of odd-numbered years. 2 credits. 182 or approval of department.

417E. English-American Art Song
Spring of even-numbered years. 2 credits. 182 or approval of department.

417F. Organ Literature From 1900 to Present
Spring of even-numbered years. 2 credits. 182 or approval of department.

418H. Honors Course in Music Literature
Fall. 2(2-0) 226 and approval of department.
A tutorial class. Primary emphasis on instrumental and vocal music 1750-1900, but work may be directed towards the student's special field of interest.

419H. Honors Course in Music Literature
Winter. 2(2-0) 226 and approval of department.
Continuation of 418H.

420H. Honors Course in Music Literature
Spring. 2(2-0) 226 and approval of department.
Continuation of 419H.

421. Music and Worship
Fall. 3(3-0) 226 or approval of department.
Relationship of music and liturgy to Christian worship. Traditional liturgies and forms of service of the Christian churches with emphasis on function and place of music in worship.

422. Hymnology
Winter. 3(3-0) 226 or approval of department.
Greek and Latin hymns, canticles, and transition from psalmody into hymnody. Hymns and tunes studied with emphasis on their natural place in church year. Special attention to anthem settings of hymns and adaptation of traditional melodies, especially Gregorian.

423. Choral Repertoire for the Church
Spring, Summer. 3(3-0) Approval of department.
Choral literature for church choirs; emphasis on motets, anthems, responses, and materials for both youth and adult choirs.

424. Preparatory Musicology
Fall. 3(3-0) 226, 232.
A seminar dealing with research in various fields of musicology, including ethno-musicology.

425. Preparatory Musicology
Winter, Summer. 3(3-0) 424.
Selected topics in music history from the ancient Greeks to 1600.

429. Bond Materials
Spring, Summer. 1(0-2) May re-enroll for credit. Juniors.
Analysis and performance of literature suitable for school bands.

433. Advanced Conducting
Fall. 2(2-0)
Continuation of 431.

435. Advanced Conducting
Spring, Summer. 2(2-0) Approval of department.
Continuation of 434.

438. Brass and Woodwind Techniques
Spring, Summer. 2(1-2) Senior music majors.
Materials and contemporary pedagogical practices of group wind instrumental instruction.

440. Fundamentals of Electronic Music
Fall, Summer. 2(2-0) 382 or approval of department.
Instruction in the use of the Moog designed synthesizer, mixer and recorders.

441. Fundamentals of Electronic Music
Winter, Summer. 2(2-0) 440 or approval of department.
Supervised use of the Moog synthesizer.

442. Creative Composition in Electronic Music
Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 8 credits. 441 or approval of department. Assigned use of the Electronic Music Studio.

450. Recreational Music
Spring, Summer of odd-numbered years. 2(2-0) Majors.
Organization and administration of a community music program for adults, community chorus, orchestra, and band. Nonsymphonic instruments and their use in recreation. Summer camp and playground music. Recreational music as it is utilized and used by industries.

462. Studio Teaching and Observation
Fall. 2(1-2) Supervised studio teaching in classes and private lessons plus one-hour seminar each week.

465. Practicum: Sacred Music
Fall, Winter, Spring. 3(0-8) May re-enroll for a maximum of 6 credits. 314, 338, 349.
Supervised experience in all phases of sacred music by assisting at adult and junior choir rehearsals and church services, service planning, preparation and performance.

470. Influence of Music on Behavior
Fall. 3(0-0) Nine credits of psychology or approval of department.
Study of the physiological and psychological effects of music, relation of music to health. Experimental studies, related philosophical and psychological theory will be reviewed.

471. Music Therapy Techniques
Winter. 3(2-0) 470.
Survey of procedures in music therapy, investigation of the rise of music as a tool in treatment of mentally ill, mentally and physically handicapped; introduction to hospital organization.

472. Music Therapy Techniques
Spring. 3(2-0) 471.
Continuation of 471.

480. Advanced Studies in Style and Form
Fall. 3(2-1) 380, 381, 382.
Continuation of 382.

481. Advanced Studies in Style and Form
Winter. 2(2-1) 480.
Continuation of 480.

482. Advanced Studies in Style and Form
Spring. 2(2-1) 481.
Continuation of 481.

483. Composition
Fall, Winter, Spring, Summer. 2(2-0) May re-enroll for a maximum of 6 credits. 325 or approval of department.
Guided projects in creative writing.

486. Psychology of Music
Fall, Summer. 3(3-0) Approval of department. Interdepartmental with and administered by the Psychology Department.
Musical behavior with emphasis on psychological aspects of perception, learning, affective response, and ability. Emphasis on social and cultural influences in forming musical tastes, including mass media music.

487. Psychology of Music
Winter, Summer. 3(2-2) 486.
Interdepartmental with and administered by the Psychology Department.
Basic research concepts and experimental methods in psychology of music research. Practical training in conducting experimental research of musical behavior.

490. Independent Study: Special Problems in Music Research
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for credit. Seniors and approval of department.
Individual problems in music research.

495. Opera Workshop
Fall, Winter, Spring. 1 to 2 credits. May re-enroll for a maximum of 6 credits. Approval of department.
Practical experience in performance and production of opera and opera scenes.

802. Seminar in History of Music
Summer. 4(4-0)
Critical study in depth of music literature and performance practices within historical perspective.
Course:

803. Seminar in Music Education
Fall, Summer. 3(3-0) Approval of department.
Consideration of the historical and philosophical basis for music instruction in education.

804. Seminar in Music Learning
Winter, Summer. 3(3-0) Approval of department.
Detailed analysis of the conditions of music learning for teachers of music including consideration of perception, maturation and concept formation.

805. Seminar in Music Curriculum
Spring, Summer. 3(3-0) Approval of department.
Development of goals, objectives, learning sequence and evaluative techniques for music learning at all instructional levels.

812. Research Problems in Music
Fall, Winter, Spring, Summer. Variable credit.

813. Chamber Music
Fall, Winter, Spring, Summer. 1(1-0)
May re-enroll for a maximum of 6 credits. Approval of department.
Performance of works for small ensembles.

815. Seminar in Chamber Music: 18th Century
Fall, Summer. 2(2-0) Approval of department.
Intensive study of selected chamber music works of the 18th century.

816. Seminar in Chamber Music: 19th Century
Winter, Summer. 2(2-0) Approval of department.
Intensive study of selected chamber music works of the 19th century.

817. Seminar in Chamber Music: 20th Century
Spring, Summer. 2(2-0) Approval of department.
Intensive study of selected chamber music works of the 20th century.

820. Music Workshop
Summer. 1 to 6 credits. May re-enroll for a maximum of 6 credits. Approval of department.

824. Research Methods and Materials
Fall, Winter, Summer. 3(3-0)
A critical examination of encyclopedias, indices, and other aids to research.

825. Acoustics for Musicians
Spring. Summer of even-numbered years. 3(3-0)
Classical theory of sound, stressing its application to musical instruments and the human voice.

830. Sixteenth Century Counterpoint
Fall of even-numbered years, Summer. 3(3-0) 482 or approval of department.
Study and writing of counterpoint based upon the works of Orlando Lasso and Palestrina.

831. Sixteenth Century Counterpoint
Winter of odd-numbered years, Summer. 3(3-0) 482 or approval of department.
Continuation of 830.

834. Seminar in Composition
Fall, Winter, Spring, Summer. 3(3-0)
May re-enroll for credit. 482.

843. Pedagogy of Theory
Fall, Summer. 3(3-0) Approval of department.
Current literature in the field of music theory and approaches to theory-pedagogy.

844. Pedagogy of Theory
Winter, Summer. 3(3-0) Approval of department.
Continuation of 843 with emphasis upon new instructional media, and upon methods and materials in ear training and sight singing.

845. Pedagogy of Theory
Spring. 3(3-0) Approval of department.
Music theory treats and pedagogical practices of historical importance.

850. Applied Music
Fall, Winter, Spring, Summer. 3 credits. For Applied Music majors: 2 credits for others. May re-enroll for credit.

852. Choral Technique and Materials
Spring. 3(3-0) Completion of undergraduate program in music education. Advanced course for further development of choral proficiency. Demonstrations of choral techniques, conducting by students, examination and evaluation of new materials.

860. Problems in Analysis
Fall, Winter, Spring, Summer. 4(4-0)
May re-enroll for a maximum of 8 credits. Approval of department.
An application of analytical procedures to school music repertoire.

880. Materials of Music
Fall, Winter, Spring, Summer. 1 to 4 credits. 882.
Correlation of the areas of music theory as a basis for the study of 19th and 20th century music.

881. Materials of Music
Fall, Winter, Spring, Summer. 1 to 4 credits. 880.
Continuation of 880.

882. Materials of Music
Fall, Winter, Spring, Summer. 1 to 4 credits. 881.
Continuation of 881.

899. Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

903. Proseminar in Music Education
Fall, Winter, Spring, Summer. 3(3-0)
May re-enroll for a maximum of 9 credits. Approval of department.
Consideration of problems of music teaching and learning with readings from aesthetics, psychology, human growth, and education.

915. Medieval Music
Fall. 3(0-0)
Investigation of various developments in European music from 1450 to 1600, tracing developments in both sacred and secular music.

917. Renaissance Music
Winter. 3(3-0)
Investigation of developments in European music from 1450 to 1600, tracing developments in both sacred and secular music.

924. Seminar in Musicology
Fall, Winter, Spring. 3 credits. May re-enroll for credit. Approval of department.

934. Seminar in Composition
Fall, Winter, Spring, Summer. 3(3-0)
May re-enroll for credit. 482.

944. Pedagogy of Theory
Winter, Summer. 3(3-0) Approval of department.
Continuation of 943 with emphasis upon new instructional media, and upon methods and materials in ear training and sight singing.

950. Applied Music
Fall, Winter, Spring, Summer. 3 credits. For Applied Music majors: 2 credits for others. May re-enroll for credit.

952. Choral Technique and Materials
Spring. 3(3-0) Completion of undergraduate program in music education. Advanced course for further development of choral proficiency. Demonstrations of choral techniques, conducting by students, examination and evaluation of new materials.

955. Current Tendencies in Music Education
Winter of even-numbered years. 3(3-0) Completion of undergraduate program in Music Education.

956. Advanced Research Techniques in Music
Spring, Summer. 3(3-0) Approval of department.
Application of behavioral research to music including development and validation of original data gathering devices.

960. Analytical Studies in Music Literature
Fall, Summer. 3(3-0) 882 and two years of music literature or approval of department.
Melodic, formal, contrapuntal and harmonic analysis of music from plausing to contemporary music.

961. Analytical Studies in Music Literature
Winter, Summer. 3(3-0) 960.
Continuation of 960.

962. Analytical Studies in Music Literature
Spring. 3(3-0) 961.
Continuation of 961.

970. Contrapuntal Techniques
Fall of odd-numbered years, Summer. 3(3-0) 482 or approval of department.
Advanced contrapuntal practice from the sixteenth century to the present.

971. Contrapuntal Techniques
Winter of even-numbered years, Summer. 3(3-0) 970.
Continuation of 970.

972. Contrapuntal Techniques
Spring of even-numbered years, Summer. 3(3-0) 971.
Continuation of 971.

999. Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.