

**Descriptions — Microbiology and Public Health
of
Courses**

999. Research
Fall, Winter, Spring, Summer. *Vari-
able credit. Approval of department.*

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 II standing. HST 235 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(1-0) *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 experience 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.

MUSIC MUS

College of Arts and Letters

100. Theory Review
Fall, Summer. 2(2-1) *For majors who need theory review.*

Basic course in fundamentals and ear training.

112. Chamber Music
Fall, Winter, Spring, Summer. 1(1-0) *May re-enroll for a maximum of 18 credits. Approval of department.* Performance of works for small ensembles.

118. Band
A. MARCHING BAND
Fall. 1 credit. *May re-enroll for credit. Membership determined by audition.* The Marching Band participates at football games.

B. SPARTAN BRASS
Winter. 1 credit. *May re-enroll for credit. Membership determined by audition.* The Spartan Brass participates at basketball games.

C. CONCERT BAND
Fall, Winter, Spring. 1 credit. *May re-enroll for credit. Membership determined by audition.* Public appearances are scheduled on campus each term.

D. SYMPHONIC BAND
Fall, Winter, Spring. 1 credit. *May re-enroll for credit. Membership determined by audition. A high level of achievement in performing ability is required.* Concerts are scheduled both on and off campus.

E. WIND ENSEMBLE
Fall, Winter, Spring. 1 credit. *May re-enroll for a maximum of 12 credits. Membership determined by audition. The highest level of performance is required.* Full range of wind literature is performed. Public concerts are presented both on and off campus.

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(0-2) *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(0-2) *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. 2(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(3-1)
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) 184; 182 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 performance obligatory.
- 191. Chorus**
Fall, Winter, Spring, Summer. 1(0-2½) May re-enroll for a maximum of 12 credits.
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) May re-enroll for a maximum of 12 credits. Membership determined by audition.
Practical experience in playing music in the jazz idiom. Techniques of rehearsing a stage band. Playing of student arrangements; performance of jazz composition and arrangements in concert.
- 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 "ethos"; age of plain-song; 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, sonata, 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. For School Music Choral majors only.
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.
- 274. Music Literature in Live Performance**
Fall, Winter, Spring. 2(2-0) May re-enroll for a maximum of 6 credits.
Live performances and discussions of music masterpieces by music department faculty. Instruction will include guidance in study of music styles, form, orchestral instruments.
- 280. Advanced Harmony**
Fall. 3(3-1) 182.
Continuation of 182, with added vocabulary and technique through nineteenth century harmony. Creative writing in small forms.
- 281. Advanced Harmony**
Winter. 3(3-1) 280.
Continuation of 280.
- 282. Advanced Harmony**
Spring. 3(3-1) 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) 283; 281 concurrently.
- 285. Advanced Aural Harmony**
Fall, Winter, Spring, Summer. 1(0-2) 284; 282 concurrently.
- 295. Opera Workshop**
Fall, Winter, Spring. 1 to 2 credits. May re-enroll for a maximum of 6 credits. Approval of department.
Repertoire coaching, diction, interpretation. Study and performance of entire operas and excerpts from the standard and contemporary repertoire; production of musicals (with Speech and Theatre Department); TV opera productions on Station WKAR.
- 314. Church Service Playing**
Fall, Winter, Spring, Summer. 2(2-0) May re-enroll for a maximum of 6 credits. Three terms of pipe organ.
Instruction in adapting piano 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.
- 323. Carillon**
Fall, Winter, Spring, Summer. 2 credits. May re-enroll for credit. 182; 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 foundries, literature and composers.

**Descriptions — Music
of
Courses**

**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, record-
ed examples and published stage band materi-
als. Writing for films and commercials.

335. Ensemble and Conducting

Fall, Spring. 3(1-4) 185 or approval
of department.

Principles of conducting correlated with appli-
cation in ensemble of vocal and instrumental
class instruction. Survey of vocal and instru-
mental ensemble literature suitable for school
use. Individual conducting stressed.

336. Ensemble and Conducting

Winter. 3(1-4) 335.
Continuation of 335.

340. Class Instruments

Fall, Winter, Spring, Summer. 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.

**345. 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 in-
structional problems of early elementary chil-
dren.

**346. Teaching Music in the
Elementary School II**

Winter, Spring. 3(3-0) 345 and ap-
proval 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 instru-
ment 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 de-
partment.

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 depart-
ment.

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 de-
partment.

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 de-
partment.

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 de-
partment.

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 de-
partment.

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, ac-
companied and free keyboard harmonization.

380. Studies in Style and Form

Fall, Summer. 2(2-1) 282.

Analysis and creative writing of technical and
structural practices in music of various periods,
with special emphasis on the twentieth century.

381. Studies in Style and Form

Winter, Summer. 2(2-1) 282.

Analysis and creative writing of technical and
structural practices in music of various periods,
with special emphasis on the twentieth century.

382. Studies in Style and Form

Spring, Summer. 2(2-1) 282.

Analysis and creative writing of technical and
structural practices in music of various periods,
with special emphasis on the twentieth century.

383. Orchestration

Fall, Summer. 2(2-0) 282.

Modern orchestral resources and scoring for
various instrumental groups.

384. Orchestration

Winter, Summer. 2(2-0) 383.

Continuation of 383.

385. Orchestration

Spring, Summer. 2(2-0) 384.

Continuation of 384.

386. Counterpoint

Fall, Summer. 2(2-0) 282.

Technique of writing tonal counterpoint in
two, three, and four parts.

387. Counterpoint

Winter, Summer. 2(2-0) 386.
Continuation of 386.

388. Counterpoint

Spring, Summer. 2(2-0) 387.
Continuation of 387.

**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 neuro-
psychiatric hospital.

400H. 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 perform-
ance 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 de-
partment.
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.

416E. French-Italian Art Song

Winter of even-numbered years. 2
credits. 182 or approval of department.

- 416F. Organ Literature From 1700 to 1900**
Winter of even-numbered years. 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, 282.
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. Band 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 baton techniques and analysis through study of orchestral and choral works.
- 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 organized and used by industries.
- 462. Studio Teaching and Observation**
Fall. 2(1-2) 347, 348, 349.
Supervised studio teaching in classes and private lessons plus one-hour seminar each week.
- 463. Studio Teaching and Observation**
Winter. 2(1-2) 462.
Continuation of 462.
- 464. Studio Teaching and Observation**
Spring. 2(1-2) 463.
Continuation of 463.
- 465. Practicum: Sacred Music**
Fall, Winter, Spring. 3(0-6) May re-enroll for a maximum of 6 credits. 314, 336, 348.
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(3-0) 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(3-0) 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(3-0) 471.
Continuation of 471.
- 480. Advanced Studies in Style and Form**
Fall. 2(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. 282 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) PSY 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(5-0)
Critical study in depth of music literature and performance practices within historical perspective.

**Descriptions — Music
of
Courses**

- 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) 830.
Continuation of 830.
- 834. Seminar in Composition**
Fall, Winter, Spring, Summer. 3(3-0)
May re-enroll for credit. 482.
- 843. Pedagogy of Theory**
(841.) 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**
(842.) 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**
(840.) Spring, Summer. 3(3-0) Approval of department.
Music theory treatises 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, Summer. 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. 282.
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(3-0)
Investigation of various developments in European music to middle of fifteenth century. Some attention given to Gregorian Chant as well as to various types of secular Monody, but greater stress is laid on the forms and styles of Polyphonic music.
- 916. Renaissance Music**
Winter. 3(3-0)
Investigation of developments in European music from 1450 to 1600, tracing developments in both sacred and secular music.
- 917. Music of the Seventeenth Century**
Spring. 3(3-0)
Instrumental and vocal music of Early Baroque period.
- 924. Seminar in Musicology**
Fall, Winter, Spring. 3 credits. May re-enroll for credit. Approval of department.
- 954. Music Supervision**
Summer of even-numbered years. 3(3-0) Completion of undergraduate program in Music Education.
- 955. Current Tendencies in Music Education**
Winter of even-numbered years. Summer of odd-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) 382 and two years of music literature or approval of department.
Melodic, formal, contrapuntal and harmonic analysis of music from plainsong 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, Summer. 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.