

MUSIC

MUS

College of Arts and Letters

112. Chamber Music

Fall, Winter, Spring, Summer. 1(1-0)
May reenroll for a maximum of 18 credits. Ap-
proval of department.
Performance of works for small ensembles.

118. Band

A. Marching Band

Fall. 1 credit. May reenroll for credit.
Membership determined by audition.
The Marching Band participates at football
games.

B. Spartan Brass

Winter. 1 credit. May reenroll for
credit. Membership determined by audition.
The Spartan Brass participates at basketball
games.

C. Concert Band

Fall, Winter, Spring. 1 credit. May
reenroll for credit. Membership determined by
audition.
Public appearances are scheduled on campus
each term.

D. Symphonic Band

Fall, Winter, Spring. 1 credit. May
reenroll for credit. Membership determined by
audition. A high level of achievement in per-
forming ability is required.
Concerts are scheduled both on and off campus.

E. Wind Ensemble

Fall, Winter, Spring. 1 credit. May
reenroll for a maximum of 12 credits. Member-
ship determined by audition. The highest level of
performance is required.
Full range of wind literature is performed. Pub-
lic concerts are presented both on and off cam-
pus.

F. Repertory Band

Fall, Winter, Spring, Summer. 1
credit. May reenroll for a maximum of 12 cred-
its. Membership determined by audition.
Public appearances are scheduled on campus
each term.

133A. Symphony Orchestra

Fall, Winter, Spring. 1(0-5) May
reenroll for a maximum of 12 credits. Admission
by audition.
Preparation and performance of symphony and
operatic repertoire under direction of faculty
and guest conductors of international reputa-
tion.

133B. Chamber Orchestra

Fall, Winter, Spring. 1(0-5) May
reenroll for a maximum of 12 credits. Member-
ship determined by audition.
A specialized ensemble of advanced performers
concentrating on the repertoire of the classic
composers, and modern repertoire for chamber
orchestra. Rehearsals and performances with fac-
ulty and guest artists.

135. Music in Elementary Education

Fall, Winter, Spring, Summer. 4(3-3)
Elementary education majors.
Study of music learning strategies in the elemen-
tary schools. Music concepts and literature are
developed through listening, performing, crea-
tive and analytical skills. Methods and materials
are emphasized.

141. Class Instruments and Voice

Fall, Winter. 1(0-2) Knowledge of no-
tation. Music majors, or approval of depart-
ment.
Class instruction in piano, voice, violin, cello,
clarinet, and cornet.

142. Class Instruments and Voice

Winter, Spring. 1(0-2) MUS 141.
Continuation of MUS 141.

143. Class Instruments and Voice

Spring. 1(0-2) MUS 142.
Continuation of MUS 142.

147. Elementary Piano

Fall, Winter, Spring. 2(2-2) MUS 145
or approval of department. Elementary Educa-
tion and Physical Education and Recreation ma-
jors.
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) MUS 147. Ele-
mentary Education majors.
Continuation of MUS 147.

150. Keyboard Instruments and Harp

Fall, Winter, Spring, Summer. 1 to 4
credits. May reenroll for a maximum of 24 cred-
its. Audition required.
Instruction in piano, organ and harp.

151. Voice

Fall, Winter, Spring, Summer. 1 to 4
credits. May reenroll for a maximum of 24 cred-
its. Audition required.

152. Stringed Instruments

Fall, Winter, Spring, Summer. 1 to 4
credits. May reenroll for a maximum of 24 cred-
its. Audition required.

153. Woodwind Instruments

Fall, Winter, Spring, Summer. 1 to 4
credits. May reenroll for a maximum of 24 cred-
its. Audition required.

154. Brass Instruments

Fall, Winter, Spring, Summer. 1 to 4
credits. May reenroll for a maximum of 24 cred-
its. Audition required.

155. Percussion

Fall, Winter, Spring, Summer. 1 to 4
credits. May reenroll for a maximum of 24 cred-
its. 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) MUS 180.
Continuation of MUS 180.

182. Basic Harmony

Spring. 3(3-1) MUS 181.
Continuation of MUS 181.

183. Aural Harmony

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

185. Aural Harmony

Fall, Winter, Spring, Summer. 1(0-2)
MUS 184; MUS 182 concurrently.

190. State Singers

Fall, Winter, Spring. 1(0-4) May
reenroll for a maximum of 12 credits. Member-
ship determined by audition; ability to sight
read.
Four hours of rehearsals a week. Attendance at
all rehearsals and public performance obliga-
tory.

191. Chorus

Fall, Winter, Spring, Summer. 1(0-2-1/2)
May reenroll 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
reenroll for a maximum of 12 credits. Member-
ship 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. ^{May enroll}
^{maximum of 12} ^{credit}
Choral ensemble designed primarily for gradu-
ate and upper class undergraduate students.
Representative literature for chamber chorale
with emphasis on Renaissance, Baroque, and
contemporary composers. Limited to 25 stu-
dents.

195. Jazz Laboratory Band

Fall, Winter, Spring, Summer. 1(0-4)
May reenroll for a maximum of 12 credits. Mem-
bership 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 con-
cert.

196. Jazz Combo Performance

Fall, Winter, Spring. 1(0-3) May
reenroll for a maximum of 12 credits. Audition.
Small group playing experience for advanced
performers and improvisors, with additional
emphasis on the writing of arrangements for the
group.

200H. Honors Work

Fall, Winter, Spring, Summer. 1 to 16
credits. May reenroll for a maximum of 16 cred-
its. Approval of department.

**208. Basic Keyboard Tuning: Theory
and Practice I**

Fall, Summer. 2(2-2). MUS 182, MUS
185 or approval of department.
Basic acoustics. Historical development of musi-
cal scales and tuning systems. Classical and mod-
ern methods of keyboard tuning.

Descriptions — Music

of

Courses

- 209. Basic Keyboard Tuning: Theory and Practice II**
Winter. 2(1-3) MUS 208.
Continuation of MUS 208.
- 210. Basic Keyboard Tuning: Theory and Practice III**
Spring. 2(1-3) MUS 209.
Continuation of MUS 209.
- 211. Introduction to Music Literature I (A)**
Fall. 4(4-0) Student may not receive credit in both HUM 261 and MUS 211.
Comparative study of selected musical works in historical context with emphasis on their relationships to society in general and the other arts in particular. From Antiquity through the Renaissance.
- 212. Introduction to Music Literature II (A)**
Winter. Summer of odd-numbered years. 4(4-0) Student may not receive credit in both HUM 262 and MUS 212.
Comparative study of selected musical works in historical context with emphasis on their relationships to society in general and the other arts in particular. From 1600 to 1800.
- 213. Introduction to Music Literature III (A)**
Spring. Summer of even-numbered years. 4(4-0) Student may not receive credit in both HUM 263 and MUS 213.
Comparative study of selected musical works in historical context with emphasis on their relationships to society in general and the other arts in particular. From Beethoven to the present.
- 224. History of Music**
Fall. 3(3-0) MUS 183.
Music from ancient Greece through Romanesque and Gothic periods, concluding with the Renaissance. Greek theory and 'ethos'; age of plainsong; development of polyphony; instruments peculiar to period under question.
- 225. History of Music**
Winter. 3(3-0) MUS 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) MUS 225.
Romantic period, impressionism, and contemporary trends. Continuation of development of form, melody, rhythm, and tonality. Final examination is comprehensive, covering MUS 224, MUS 225 and MUS 226.
- 234. Jazz Improvisation**
Fall, Winter, Spring. 2(2-0) May reenroll for a maximum of 12 credits. MUS 182 or approval of department, audition for Winter and Spring terms.
Studies of the fundamentals necessary for the improvisation of knowledgeable jazz solos, including the areas of theory, styles, and transcriptions, as well as individual performances in class.
- 241. Advanced Class Piano**
Fall. 1(0-2) MUS 143 or approval of department. For School Music Choral majors only.
Continuation of Class Piano MUS 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) MUS 241 or approval of department.
Continuation of MUS 241.
- 243. Advanced Class Piano**
Spring. 1(0-2) MUS 242 or approval of department.
Continuation of MUS 242.
- 245. Music in Special Education**
Fall, Winter, Spring, Summer. 3(3-0) MUS 135. Special education majors.
Methods of teaching music in special education programs.
- 250. Introduction to School Music**
Fall, Spring. 1(1-1) Sophomores in Music Education or approval of department.
An overview of the field of school music. Study and discussion of historical background, current trends, and teaching responsibilities at all curricular levels.
- 251. German Diction for Singers**
Fall. 1(1-1) Three terms of MUS 151.
Practice and training in German lyric diction. Rules of pronunciation; emphasis on spoken drill and performance of German art songs in class.
- 271. Fundamentals of Music**
Fall, Winter, Spring. 3(3-1) Nonmajors.
Fundamentals of music to develop understanding and knowledge of scales and modes, key signatures, chord structures, chord progressions and non-harmonic tones.
- 274. Music Literature in Live Performance**
Fall, Winter, Spring. 2(2-0) May reenroll 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.
- 275. Popular Music Styles**
Winter. 3(3-0)
Style characteristics of prominent genres of popular music in twentieth century America. The evolution of popular musical taste.
- 276. Popular Music Styles**
Spring. 3(3-0)
A survey of style characteristics of prominent genres of popular music in the United States from 1950 to the present.
- 280. Advanced Harmony**
Fall. 3(3-1) MUS 182.
Continuation of MUS 182, with added vocabulary and technique through nineteenth century harmony. Creative writing in small forms.
- 281. Advanced Harmony**
Winter. 3(3-1) MUS 280.
Continuation of MUS 280.
- 282. Advanced Harmony**
Spring. 3(3-1) MUS 281.
Continuation of MUS 281.
- 283. Advanced Aural Harmony**
Fall, Winter, Spring, Summer. 1(0-2) MUS 185; MUS 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) MUS 283; MUS 281 concurrently.
- 285. Advanced Aural Harmony**
Fall, Winter, Spring, Summer. 1(0-2) MUS 284; MUS 282 concurrently.
- 308. Advanced Keyboard Tuning: Theory and Practice I**
Fall. 3(2-2) MUS 210 or approval of department.
History of piano construction including physics of action and string measurements. Practice action regulation and minor repairs. Concert tuning and tone regulation.
- 309. Advanced Keyboard Tuning: Theory and Practice II**
Winter. 3(2-2) MUS 308.
Continuation of MUS 308.
- 310. Advanced Keyboard Tuning: Theory and Practice III**
Spring. 3(2-2) MUS 309.
Continuation of MUS 309.
- 314. Church Service Playing**
Fall, Winter, Spring, Summer. 2(2-0) May reenroll 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 reenroll for a maximum of 12 credits. Approval of department.
- 330. Jazz in America**
Spring. 3(3-0) Juniors or approval of department.
Jazz fundamentals, history, styles, and social significance.
- 334. Composing and Arranging for Jazz Ensembles**
Fall, Winter, Spring, Summer. 3(2-2) May reenroll for a maximum of 9 credits. MUS 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 stage band materials. Writing for films and commercials.
- 335. Ensemble and Conducting**
Fall, Spring. 3(1-4) MUS 185 or approval of department.
Principles of conducting correlated with application in ensemble of vocal and instrumental class instruction. Survey of vocal and instrumental ensemble literature suitable for school use. Individual conducting stressed.
- 336. Ensemble and Conducting**
Winter. 3(1-4) MUS 335.
Continuation of MUS 335.
- 340. Class Instruments**
Fall, Winter, Spring, Summer. 1(0-2) May reenroll 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 instructional problems of early elementary children.
- 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 reenroll for a maximum of 24 credits. Six terms of MUS 150 or approval of department.
Continuation of MUS 150.
- 351. Voice**
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 24 credits. Six terms of MUS 151 or approval of department.
Continuation of MUS 151.
- 352. Stringed Instruments**
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 24 credits. Six terms of MUS 152 or approval of department.
Continuation of MUS 152.
- 353. Woodwind Instruments**
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 24 credits. Six terms of MUS 153 or approval of department.
Continuation of MUS 153.
- 354. Brass Instruments**
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 24 credits. Six terms of MUS 154 or approval of department.
Continuation of MUS 154.
- 355. Percussion**
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 24 credits. Six terms of MUS 155 or approval of department.
Continuation of MUS 155.
- 356. Piano Sight Reading and Accompanying**
Fall, Winter, Spring. 2(0-4) May reenroll for a maximum of 12 credits. Piano major or approval of department.
Sight reading. Transposing. Under supervision accompanying instrumental and vocal soloists.
- 357. Piano Accompanying**
Fall, Winter, Spring. 1(0-5) May reenroll for a maximum of 12 credits. Piano major or approval of instructor.
Instruction in the art of accompaniment. Accompaniment of instrumental and vocal soloists.
- 380. Studies in Style and Form**
Fall, Summer. 2(2-1) MUS 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) MUS 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) MUS 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) MUS 282.
Modern orchestral resources and scoring for various instrumental groups.
- 384. Orchestration**
Winter, Summer. 2(2-0) MUS 383.
Continuation of MUS 383.
- 385. Orchestration**
Spring, Summer. 2(2-0) MUS 384.
Continuation of MUS 384.
- 386. Counterpoint**
Fall. 2(2-0) MUS 282.
Creative and analytical work with two-part counterpoint in the style of J. S. Bach.
- 387. Counterpoint**
Winter. 2(2-0) MUS 386.
Creative and analytical work with three-part counterpoint in the style of J. S. Bach.
- 388. Counterpoint**
Spring. 2(2-0) MUS 387.
Creative and analytical work with three and four-part counterpoint in the style of J. S. Bach.
- 400. Clinical Training in Music Therapy**
Fall, Winter, Spring, Summer. 1 to 18 credits. Music therapy majors.
Six months internship in an accredited neuropsychiatric hospital.
- 400H. Honors Work**
Fall, Winter, Spring, Summer. 1 to 16 credits. May reenroll for a maximum of 16 credits. Approval of department.
- 403. Music Literature for Children**
Fall, Winter, Spring, Summer. 3(3-0) MUS 346, or T E 336 or T E 335.
Appropriate musical materials for both performance and listening instruction in elementary and secondary schools. Particular emphasis on the music of culturally different peoples.
- 408. Piano Technology I**
Fall. 3(2-2) MUS 310 or approval of department.
Methods of and practice in restoring the original tone of old pianos. Repairing or replacing all worn parts. Advanced concert tuning and tone regulation.
- 409. Piano Technology II**
Winter. 3(2-2) MUS 408.
Continuation of MUS 408.
- 410. Piano Technology III**
Spring. 3(2-2) MUS 409.
Continuation of MUS 409.
- 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. MUS 182 or approval of department.
- 415B. 19th Century Music**
Fall. 2 credits. MUS 182 or approval of department.
- 415C. Keyboard Music, Seventeenth through Eighteenth Centuries**
Fall of even-numbered years. 2 credits. MUS 182 or approval of department.
- 415E. German Lieder**
Fall of odd-numbered years. 2 credits. MUS 182 or approval of department.
- 415F. Organ Literature to 1700**
Fall of odd-numbered years. 2 credits. MUS 182 or approval of department.
- 416A. Baroque Music**
Winter. 2 credits. MUS 182 or approval of department.
- 416B. Twentieth Century Music, European**
Winter. 2 credits. MUS 182 or approval of department.
- 416C. Piano Music, Nineteenth Century**
Winter of odd-numbered years. 2 credits. MUS 182 or approval of department.
- 416E. French-Italian Art Song**
Winter of even-numbered years. 2 credits. MUS 182 or approval of department.
- 416F. Organ Literature From 1700 to 1900**
Winter of even-numbered years. 2 credits. MUS 182 or approval of department.
- 417A. Classical Music**
Spring. 2 credits. MUS 182 or approval of department.
- 417B. Twentieth Century Music, American**
Spring. 2 credits. MUS 182 or approval of department.
- 417C. Piano Music, Twentieth Century**
Spring of odd-numbered years. 2 credits. MUS 182 or approval of department.
- 417E. English-American Art Song**
Spring of even-numbered years. 2 credits. MUS 182 or approval of department.

**Descriptions — Music
of
Courses**

- 417F. Organ Literature From 1900 to Present**
Spring of even-numbered years. 2 credits. MUS 182 or approval of department.
- 418H. Honors Course in Music Literature**
Fall. 2(2-0) MUS 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) MUS 226 and approval of department.
Continuation of MUS 418H.
- 420H. Honors Course in Music Literature**
Spring. 2(2-0) MUS 226 and approval of department.
Continuation of MUS 419H.
- 421. Music and Worship**
Fall. 3(3-0) MUS 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) MUS 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.
- 426. Ethnomusicology**
Spring, Summer. 3(3-0) 6 credits in music, sociology, or anthropology, or approval of department.
Presentation of ethnomusicological ideologies and concepts emphasizing extra-musical activities (such as cultural and social phenomena) which condition and explain the existence of a musical structure.
- 427. Musical Cultures of the World (Asia, Oceania)**
Fall, Summer. 3(3-0) Approval of department.
Musical expression and the related arts in Asia and Oceania, focussing on history and historical influence, musical instruments and the relationship between the culture and artistic styles.
- 428. Musical Cultures of the World (Africa, America, Europe)**
Winter, Summer. 3(3-0) Approval of department.
Musical expression and related arts of Africa, America, and Europe, focussing on history and historical influence, musical instruments and the relationship between the culture and artistic styles.
- 429. Band Materials**
Spring, Summer. 1(0-2) May reenroll for credit. Juniors.
Analysis and performance of literature suitable for school bands.
- 435. Advanced Conducting**
Spring, Summer. 2(2-0) Approval of department.
Development of conducting skills through rehearsals and analysis of literature appropriate for secondary school performing ensembles.
- 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) MUS 282.
Instruction in the use of the Electronic Music Studio.
- 441. Fundamentals of Electronic Music**
Winter. 2(1-2) MUS 440.
Supervised use of the Electronic Music Studio.
- 442. Composition in Electronic Music**
Spring, Summer. 2(1-2) MUS 441.
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) MUS 347, MUS 348, MUS 349.
Supervised studio teaching in classes and private lessons plus one-hour seminar each week.
- 463. Studio Teaching and Observation**
Winter. 2(1-2) MUS 462.
Continuation of MUS 462.
- 464. Studio Teaching and Observation**
Spring. 2(1-2) MUS 463.
Continuation of MUS 463.
- 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) MUS 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) MUS 471.
Continuation of MUS 471.
- 480. Advanced Studies in Style and Form**
Fall. 2(2-1) MUS 380, MUS 381, MUS 382.
Continuation of MUS 382.
- 481. Advanced Studies in Style and Form**
Winter. 2(2-1) MUS 480.
Continuation of MUS 480.
- 482. Advanced Studies in Style and Form**
Spring. 2(2-1) MUS 481.
Continuation of MUS 481.
- 483. Composition**
Fall, Winter, Spring, Summer. 2(2-0) May reenroll for a maximum of 6 credits. MUS 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 Department of Psychology.
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 Department of Psychology.
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 reenroll for credit. Seniors and approval of department.
Individual problems in music research.
- 495. Opera Workshop**
Fall, Winter, Spring. 1 to 2 credits. May reenroll for a maximum of 6 credits. Approval of department.
Practical experience in performance and production of opera and opera scenes.
- 499. Special Topics**
Fall, Winter, Spring, Summer. 1 to 5 credits. May reenroll for a maximum of 10 credits if a different topic is taken. Juniors, or approval of department.
Offered on an experimental basis according to instructor availability and student interest.
- 802. Seminar in History of Music**
Summer. 4(5-0) May reenroll for a maximum of 12 credits. Approval of department.
Critical study in depth of music literature and performance practices within historical perspective.
- 803. Seminar in Music Education**
Spring of odd-numbered years, Summer of even-numbered years. 3(3-0) Approval of department.
Consideration of the historical and philosophical basis for music instruction in education.
- 804. Seminar in Music Learning**
Fall, 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**
Winter, Summer. 3(3-0) Approval of department.
Development of goals, objectives, learning sequence and evaluative techniques for music learning at all instructional levels.

- 806. Seminar in Music Education Methodology**
Spring of even-numbered years; Summer of odd-numbered years. 3(3-0) Approval of department.
Critical analysis of various methodologies in music teaching. Emphasis on the impact of methods and their applications to improvement of musical growth in performance, cognitive, and affective domains.
- 811. Introduction to Research in Music Education and Music Therapy**
Fall, Summer. 3(3-0) Approval of department.
Conducting and critically interpreting research in music education and music therapy. Library skills, experimental research, and statistical analysis are emphasized.
- 812. Research Problems in Music**
Fall, Winter, Spring, Summer. 1 to 3 credits. May reenroll for a maximum of 15 credits.
- 813. Chamber Music**
Fall, Winter, Spring, Summer. 1(1-0) May reenroll for a maximum of 6 credits. Approval of department.
Performance of works for small ensembles.
- 815. Seminar in Chamber Music: 18th Century**
Fall. 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. 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. 2(2-0) Approval of department.
Intensive study of selected chamber music works of the 20th century.
- 820. Music Workshop**
Summer. 1 to 9 credits. May reenroll for a maximum of 9 credits. Approval of department.
- 821. Advanced Methods and Materials in Elementary Music**
Fall, Winter, Spring, Summer. 3(3-0) May reenroll for a maximum of 9 credits if different topics are taken. Graduate students in Music Education or approval of department.
Teaching methods and materials for special topics in elementary music, such as music literature, Orff, Kodaly, and integrated arts.
- 824. Research Methods and Materials**
Fall, Winter, Summer. 3 or 4 credits.
A critical examination of encyclopedias, indices, and other aids to research, and of the organization, presentation and documentation of research results.
- 830. Sixteenth Century Counterpoint**
Fall of even-numbered years, Summer. 3(3-0) MUS 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) MUS 830.
Continuation of MUS 830.
- 832. Sixteenth Century Counterpoint**
Spring of odd-numbered years, Summer. 3(3-0) MUS 831.
Continuation of MUS 831 to include a study of madrigal counterpoint.
- 834. Seminar in Composition**
Fall, Winter, Spring, Summer. 2(2-0) May reenroll for a maximum of 24 credits. Approval of department.
Study of contemporary music with emphasis on compositional procedures.
- 835. Composition**
Fall, Winter, Spring, Summer. 1 to 2 credits. May reenroll for a maximum of 24 credits. Approval of department.
Advanced composition.
- 836. Seminar in Conducting**
Fall, Winter, Spring, Summer. 1 to 3 credits. May reenroll for a maximum of 18 credits. Approval of department.
Advanced conducting techniques applicable to choral and instrumental music of all periods.
- 843. Pedagogy of Theory**
Fall, Summer. 3(3-0) Approval of department.
Methods, content, and textbooks for teaching basic theory.
- 844. Pedagogy of Theory**
Winter, Summer. 3(3-0) Approval of department.
Continuation of MUS 843 with emphasis upon new instructional media, and upon methods and materials in ear training and sight singing.
- 845. Pedagogy of Theory**
Spring, Summer. 3(3-0) Approval of department.
Methods, content, and textbooks for teaching counterpoint, form, and orchestration.
- 846. Minor Instrument Study: String**
Fall, Winter, Spring, Summer. 1(1-0) May reenroll for a maximum of 12 credits.
Secondary instrument for students enrolled in string specialist program.
- 847. Minor Instrument Study: Brass**
Fall, Winter, Spring, Summer. 1(1-0) May reenroll for a maximum of 12 credits.
Secondary instrument for students enrolled in brass specialist program.
- 848. Minor Instrument Study: Woodwinds**
Fall, Winter, Spring, Summer. 1(1-0) May reenroll for a maximum of 12 credits.
Secondary instrument for students enrolled in woodwind specialist program.
- 849. Minor Instrument Study: Piano**
Fall, Winter, Spring, Summer. 1(1-0) May reenroll for a maximum of 12 credits. Approval of department.
Study of piano for students in majors other than applied music.
- 850. Applied Music**
Fall, Winter, Spring, Summer. 1 to 3 credits. May reenroll for a maximum of 27 credits.
- 851. Minor Instrument Study: Voice**
Fall, Winter, Spring, Summer. 1(1-0) May reenroll for a maximum of 12 credits. Approval of department.
Study of vocal techniques for students in majors other than applied music.
- 852. Choral Technique and Materials**
Spring, Summer. 3(3-0) May reenroll for a maximum of 9 credits. 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 reenroll for a maximum of 8 credits. Approval of department.
An application of analytical procedures to school music repertoire.
- 880. Materials of Music**
Fall, Winter, Summer. 1 to 4 credits. MUS 282.
Correlation of the areas of music theory as a basis for the study of 19th and 20th century music.
- 881. Materials of Music**
Winter, Spring. 1 to 4 credits. MUS 880.
Continuation of MUS 880.
- 899. Master's Thesis Research**
Fall, Winter, Spring, Summer. Variable credit. Approval of department.
- 903. Proseminar in Music Education**
Fall, Winter, Spring, Summer. 3(3-0) May reenroll for a maximum of 9 credits. Approval of department.
Problems of music education with study of and readings from aesthetics, philosophy, measurement evaluation, and teacher training.
- 915. Medieval Music**
Fall. 3(3-0) Approval of department.
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) Approval of department.
Investigation of developments in European music from 1450 to 1600, tracing developments in both sacred and secular music.
- 917. Music of the 17th Century**
Spring. 3(3-0) Approval of department.
Instrumental and vocal music of Early Baroque period.
- 918. Music of the 18th Century**
Fall. 3(3-0) Approval of department.
Intensive study of selected topics in 18th century music.
- 919. Music of the 19th Century**
Winter. 3(3-0) Approval of department.
Intensive study of selected topics in 19th century music.

Descriptions — Music

of

Courses

- 920. Music of the 20th Century**
Spring. 3(3-0) Approval of department.
Intensive study of selected topics in 20th century music.
- 924. Seminar in Musicology**
Fall, Winter, Spring. 3 credits. May reenroll for a maximum of 15 credits. Approval of department.
- 943. Survey of the History of Theory**
Winter. 2(2-0) Approval of department.
Significant theoretical treatises from the 6th century B.C. to the early 20th century.
- 954. Administration of Music Education Programs**
Spring of even-numbered years. 3(3-0) Approval of department.
Techniques for administering school music and higher education music programs.
- 955. Current Tendencies in Music Education**
Winter of even-numbered years. 3(3-0) Approval of department.
Current trends and practices in public school music education.
- 956. Advanced Research Techniques in Music**
Winter. 3(3-0) Approval of department.
Selected research techniques in music education with emphasis on experimental design and computerized data analysis.
- 960. Analytical Studies**
Fall. 3(3-0) Approval of department.
Analysis of melody, harmony, rhythm, color, texture, counterpoint, and form in part-music from the thirteenth century through the late sixteenth/early seventeenth century.
- 961. Analytical Studies**
Winter. 3(3-0) Approval of department.
Analysis of melody, harmony, rhythm, color, texture, counterpoint, and form in music from the late seventeenth/early eighteenth century through the nineteenth century.
- 962. Analytical Studies**
Spring. 3(3-0) Approval of department.
Analysis of melody, harmony, rhythm, color, texture, counterpoint, and form in music of the twentieth century.
- 963. Schenker Analysis**
Fall. 2(2-0) Approval of department.
Analytical techniques and concepts of Heinrich Schenker. Examination of his sketches and writings, reading about him, and analysis of music using his techniques.
- 964. Set-Theory Analysis of Atonal Music**
Spring. 2(2-0) Approval of department.
Set-Theory principles and their application to the analysis of atonal music.
- 970. Contrapuntal Techniques**
Fall of odd-numbered years, Summer. 3(3-0) MUS 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) MUS 970.
Continuation of MUS 970.
- 972. Contrapuntal Techniques**
Spring of even-numbered years, Summer. 3(3-0) MUS 971.
Continuation of MUS 971.
- 999. Doctoral Dissertation Research**
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

NATURAL SCIENCE N S

College of Natural Science

- 115. The Nature and Continuity of Life (N)**
Fall, Winter, Spring, Summer. 4(3-2)
A—The development and testing of scientific concepts as examples of our attempts to understand the world. Selected topics from the life sciences illustrate the nature of scientific investigation.
B—Theories of the origin, development and structure of life and the universe of which it is a part. Examination of contemporary problems associated with defining life and death.
C—Consideration of social and ethical issues relating to our increasing control of reproduction and heredity. Reproduction and heredity from molecular, cellular and organismic perspectives, including human structure and function.
D—The nature of living things, contrasting various scientific and non-scientific views. The implications of the modern scientists understanding of life for our beliefs and values.
- 122. Human Biosocial Evolution (N)**
Fall, Winter, Spring. 4(3-2)
Current understanding of human beings and their beliefs as products of biological and cultural evolution. Implications for the future of humanity.
- 125. Time and Change in Nature (N)**
Fall, Winter, Spring, Summer. 4(3-2)
A—Man's attempts to explain the present in terms of past events are explored through selected topics from the life sciences and earth sciences. Stresses the role of controversy in science and the nature of scientific evidence.
B—Heredity, evolution and diversity of life are examined from the viewpoint of the biological and cultural development of the human species. Evolutionary relationships between humans and their environment.
C—The origin and evolution of earth and living things are studied as vital and related problems. Emphasis on problem-solving in science and impact of evolutionary concepts on human societies.
- 127. The Bioecology of Health**
Fall, Winter, Spring. 4(3-2)
Human health examined from evolutionary and ecological viewpoints. Emphasis will be on the impact of a technological environment on our health.
- 129. Biotechnology and Human Values (N)**
Winter, Spring. 4(4-0)
Consideration of social and ethical issues which arise from our increasing control of the human body through biotechnology.
- 135. Changing Concepts of the Universe (N)**
Fall, Winter, Spring, Summer. 4(3-2)
Students may not receive credit in more than one of the following: AST 119, AST 217, AST 229, N S 135, N S 155.
A—The origin and development of scientific explanations of the physical world. The origins of modern science and scientific revolutions.
B—The role of science in the development of western ideas about reality. The origin and development of mechanistic concepts of the physical world and their part in intellectual dialogue.
C—Growth of theories of celestial motion and of matter. Their interrelationship. Impact of scientific knowledge on society. The contribution of science to clarification and solution of social problems.
- 142. Life, Its Environment (N)**
Fall, Winter, Spring. 4(3-2)
Natural ecological systems and the impact of human biological and cultural development on them. Examination of specific ecological problems and the role of science in seeking solutions.
- 152. Science and Culture in the 20th Century (N)**
Fall, Winter, Spring. 4(4-0)
Controversies concerning interpretation of modern scientific concepts such as evolution, uncertainty and relativity are discussed in terms of developing a personal philosophy.
- 155. Cosmology, Humanity's Place in the Universe (N)**
(N S 135D.) Fall, Winter, Spring, Summer. 4(3-2) Students may not receive credit in more than one of the following: AST 119, AST 217, AST 229, N S 135, N S 155.
Our attempts to understand the universe and our place within it. The interaction between scientific concepts and the beliefs and values of the culture in which they are proposed.
- 162. Race, The Evolution of an Idea (N)**
Fall, Winter, Spring. 4(3-2) N S 115 or approval of department.
Human races and evolution. The biological concept of race based on the theories of the gene, evolution, and natural selection.
- 171H. Our Biological Nature (N)**
Fall. 4(4-0) Honors College students or approval of department.
Various issues confronting us in our attempt to understand our biological selves. Emphasis on the role that science can play in helping to resolve these issues.
- 172H. Our Place in Nature (N)**
Winter. 4(4-0) Honors College students or approval of department.
Various issues confronting us in our attempt to understand our place in and relation to the environment. Emphasis on the role of science in helping to resolve these issues.
- 173H. Science-Technology and Human Values (N)**
Spring. 4(4-0) Honors College students or approval of department.
The nature and significance of science and technology in Western culture, with emphasis on their relationship to other creative activities, particularly those within the arts.