

4850. Brand Development. 3 hours. Students plan, develop and present a merchandise group for private label apparel or home furnishings goods using a multi-functional team approach. Includes application of computer software. Prerequisite(s): SMHM 1650, 2090 or 2400, 2360, 2650, and advanced standing in major, or consent of school.

4900-4910. Special Problems. 1-3 hours each.

Military Science

see Aerospace Studies

Music

MUAG — Music Applied General Courses

MUAM — Music Applied Private Lessons (Major)

MUAC — Music Applied Private Lessons
(Concentration)

MUAS — Music Applied Private Lessons (Secondary)

MUCM — Chamber Music

MUCP — Music Composition

MUED — Music Education

MUEN — Music Ensembles

MUET — Music Ethnomusicology

MUGC — Music General Courses

MUMH — Music History and Literature, and
Musicology

MUJS — Music Jazz Studies

MULB — Music Laboratories

MUTH — Music Theory

All courses numbered 4900-4910 are open to advanced undergraduate students who are capable of developing a problem independently. A project is chosen by the student and instructor and developed through conferences and approved activities under the direction of the instructor, who may require a term paper. Not open to graduate students, these courses may be offered when other required courses are unavailable. Prerequisites are consent of instructor and dean.

Courses that may be repeated for credit are MUAG 1102, 1107, 1117, 1121, 1124, 1125, 1202, 1207, 1217, 1221, 1224, 1225, 4360, 4370, 4740; all courses in MUAM, MUAC, MUAS and MUCM; MUCP 2080, 4080, 4180, 4680; all courses in MUEN; MUJS 3470; all courses in MULB; MUET 3030.

Applied General Music, MUAG

1001-1002. Piano Class for Non-Music Majors. 1 hour each. (0;3) Fundamentals of keyboard technique for beginning piano students: levels I and II (non-major).

1011-1012 -1013 -1014. Keyboard Skills for Music Majors. 1 hour each. (0;3) Functional keyboard skills combined with the application of music theory principles at the piano (progressions, sight reading, harmonization and transposition) for beginning students: levels I-IV (includes the Piano Proficiency Exam).

1102 (MUSI 1168)-1202 (MUSI 2168). Brass Class. 1 hour each. (0;3) Trumpet, trombone, French horn and tuba; general brass pedagogy; and acquiring ability to play simple melodies and scales.

1107-1207. Guitar Class. 1 hour each. (0;3) Classical guitar for beginners. Students provide instruments. Secure recommended specifications from instructor. Prerequisite(s): enrollment only by audition and consent of college.

1117 (MUSI 1188)-1217 (MUSI 2188). Percussion Class. 1 hour each. (0;3) All major percussion instruments; proper playing techniques and methods for teaching fundamentals.

1121 (MUSI 1190)-1221 (MUSI 2190). Strings Class. 1 hour each. (0;3) Basic techniques of violin, viola, cello and bass.

1124 (MUSI 1183). Voice Class for Non-Music Majors. 1 hour. (0;3) Fundamentals of correct breathing, tone production and diction. For non-music majors with little or no previous voice training. May be repeated for credit.

1224. Voice Class for Music Majors. 1 hour. (0;3) Fundamentals of correct breathing, tone production, diction and basic vocal pedagogy. For instrumental music majors.

1125 (MUSI 1166)-1225 (MUSI 2166). Woodwinds Class. 1 hour each. (0;3) Basic technique and general pedagogy of flute, oboe, clarinet, bassoon and saxophone.

1270. Piano Literature. 3 hours. (3;0) Bach through the early romantics. Survey of major composers, styles and forms; individual topics.

1905. English Diction for Singers. 1 hour. (2;0) Diction/pronunciation skills for singing in English. Introduction to phonetic analysis of vocal music in English.

1906. French Diction. 1 hour. (2;0) Diction/pronunciation skills for singing in French; introduction to phonetic analysis of vocal music in French.

1907. German Diction. 1 hour. (2;0) Diction/pronunciation skills for singing in German; introduction to phonetic analysis of vocal music in German.

1909. Italian Diction. 1 hour. (2;0) Diction/pronunciation skills for singing in Italian; introduction to phonetic analysis of vocal music in Italian.

2210. Introduction to Vocal Literature. 1 hour. (2;0) Performance class in classical solo vocal idioms, including song, opera and oratorio from all national schools.

2900. Special Problems. 1-3 hours. Prerequisite(s): consent of college.

3240. Techniques of Piano Accompanying. 3 hours. Review of sight-reading skills; repertoire from Italian anthology; simpler songs of Schubert, Schumann and Faure; arias. Concerto accompaniments from classic repertoire; discussion and demonstration of piano reductions. Prerequisite(s): consent of college.

3250. Techniques of Piano Accompanying. 3 hours. Study of Lieder and art-song repertoire, arias, concerti and instrumental solos. Prerequisite(s): MUAG 3240 or consent of college.

3270. Piano Literature. 3 hours. (3;0) The late romantics to the present. Survey of major composers, styles and forms; individual topics.

3800. Fundamentals of Conducting. 2 hours. (3;0) Fundamentals of conducting, including beat patterns, various gestures for attack, release and phrasing. Includes the use of the left hand, score reading, development of aural skills, rehearsal techniques and interpretation. Prerequisite(s): junior standing and completion of MUTH 2500/2510. MUAG 3800 is a prerequisite for MUAG 3820 and 3870.

3820. Choral Conducting. 2 hours. (3;0) Continuation of MUAG 3800. Focuses on refining physical skills, the introduction of group choral training, choral rehearsal techniques and aural development skills. Prerequisite(s): MUAG 3800.

3870. Instrumental Conducting. 2 hours. (3;0) Score reading and preparation; practical application of transposition for all instruments; psychology of conducting; multimeter patterns; stylistic considerations; extensive conducting practicum utilizing both wind and orchestral literature. Prerequisite(s): MUAG 3800.

4001. Student Teaching in Studio Piano. 3 hours. (1;2) Observation and supervised student teaching with an emphasis on private studio teaching. Prerequisite(s): consent of college.

4002. Student Teaching in Group Piano. 3 hours. (1;2) Observation and supervised student teaching with an emphasis on group piano teaching.

4210. Vocal Literature. 3 hours. Solo literature since the Renaissance; style, interpretation and materials for all voice classifications. Music performed by class members and through recordings.

4260-4270. Piano Pedagogy. 3 hours each. Approaches for children and adult beginners; technique, style and musicianship; review and recommendation of materials for all grades. Supervised student teaching. Prerequisite(s) for 4270: 4260 or consent of college.

4300. Science and Pedagogy of Singing. 3 hours. Basic knowledge of respiration, phonation, resonance and articulation; concepts and techniques for the teaching of singing. Laboratory demonstrations and studio observations for students of voice, choral conducting and composition.

4350. Repair and Maintenance of Musical Instruments. 1 hour. (0;3) Repair of brass, woodwind and percussion instruments. For instrumental music teachers and those interested in instrument repair. Prerequisite(s): MUAG 1125 or 1225, or consent of college.

4360-4370. Instrumental Pedagogy and Repertoire. 3 hours each. Study and analysis of instrumental literature; correlation of literature and pedagogical materials; survey of schools of performance and instruction; brass, percussion, keyboard, strings and woodwinds. May be repeated for credit as topics vary.

4380. Organ Literature and Pedagogy. 3 hours. Organ music of the Renaissance and Baroque periods. Survey of major composers, styles and forms; construction and design of appropriate instruments. Performance and pedagogy problems, including interpretation on contemporary instruments, considered.

4390. Organ Literature and Pedagogy. 3 hours. Organ music from the mid-18th century to the present. Survey of major composers, styles and forms; construction and design of appropriate instruments. Performance and pedagogy problems, including interpretation on contemporary instruments, considered.

4410. Harpsichord Literature and Pedagogy. 3 hours. Harpsichord music of the Renaissance and early Baroque periods. Survey of major composers, national styles and forms; construction and design of appropriate instruments. Performance practices are thoroughly explored. Pedagogical principles are applied to repertoire. Individual research projects.

4420. Harpsichord Literature and Pedagogy. 3 hours. (3;0) Harpsichord literature from the mid-17th century to the present, including the music of Bach. Survey of major composers, styles, forms and ensemble literature; construction and design of appropriate instruments. Performance practices are thoroughly explored. Pedagogical principles are applied to repertoire. Individual research projects.

4700. Senior Recital. 1 hour. (0;0;1) Public recital in which the student must demonstrate mastery of music performance skills appropriate to the completion of a bachelor's degree in performance. Prerequisite(s): three terms/semesters of MUAM 35xx and permission of college.

4720. Organ Service Playing I. 2 hours. (1;1) Intense study of basic hymn playing, harmonic progressions, melody harmonization, open score reading (including alto and tenor clefs), modulation, figured bass, transposition and elementary improvisation. Successful completion of this course allows students to compete for major church positions and prepare for the AAGO certification. Prerequisite(s): MUTH 2500 and 2510.

4730. Organ Service Playing II. 2 hours. (1;1) Advanced study of figured bass, open score reading (four parts including both tenor and alto clefs), transposition of more difficult textures, and improvisation of binary, ternary and variation (choral partita) structures. Successful completion of this course prepares students for FAGO certification. Prerequisite(s): MUAG 4720 or placement by permission of college.

4740. Seminar in Church Music. 3 hours. For interests and talents of students; class and private conferences. Topics include historical and contemporary developments in hymnody; liturgical music; church choir literature and techniques; and church music philosophy, education and administration. May be repeated for credit as topics vary.

4890. Seminar in Performance and Repertoire. 3 hours. Consideration of style, interpretation, performance practice traditions of selected portions of the performing repertoire; student performances and recordings. May be repeated for credit as topics vary. Prerequisite(s): consent of college.

4900-4910. Special Problems. 1-3 hours each. Prerequisite(s): consent of college.

Applied Private Music, MUAM; MUAC; MUAS

Curriculum requirements in Music Applied Private Lessons for majors (MUAM) are 2-4 credit hours per term/semester; for concentrations (MUAC), 2 credit hours per term/semester; for secondaries (MUAS), 1 credit hour per term/semester. Exceptions to those requirements must have the consent of the dean of the College of Music.

1501-1531. Lower-Level Applied Music, Private Lessons. Variable credit: for majors (MUAM), 1-5 semester hours; for concentrations (MUAC), 1-3 semester hours; for secondaries (MUAS), 1-2 semester hours.

1501. Piano.

1502. Organ.

1503. Voice.

1504. Violin.

1505. Viola.

1506. Cello.

1507. Double Bass.

1508. Flute.
 1509. Oboe.
 1511. Clarinet.
 1512. Saxophone.
 1513. Bassoon.
 1514. French Horn.
 1516. Trumpet.
 1517. Trombone.
 1518. Euphonium.
 1519. Tuba.
 1521. Percussion.
 1522. Harp.
 1524. Vocal Coaching. (MUAS only.)
 1526. Jazz Guitar. (MUAC and MUAS only.)
 1527. Guitar. (Enrollment only by audition.) Classical guitar.
 1528. Harpsichord.
 1529. Organ Service Playing. (MUAS only.)
 1531. Keyboard Continuo Playing. (MUAS only.)

3501-3531. Upper-Level Applied Music, Private Lessons.
 Variable credit: for majors (MUAM), 1-5 semester hours; for concentrations (MUAC), 1-3 semester hours; for secondaries (MUAS), 1-2 semester hours.

3501. Piano.
 3502. Organ.
 3503. Voice.
 3504. Violin.
 3505. Viola.
 3506. Cello.
 3507. Double Bass.
 3508. Flute.
 3509. Oboe.
 3511. Clarinet.
 3512. Saxophone.
 3513. Bassoon.
 3514. French Horn.
 3516. Trumpet.
 3517. Trombone.
 3518. Euphonium.
 3519. Tuba.
 3521. Percussion.
 3522. Harp.
 3523. Functional Piano. (MUAS only.)
 3524. Vocal Coaching. (MUAS only.)
 3526. Jazz Guitar. (MUAC only.)
 3527. Guitar. (Enrollment only by audition.) Classical guitar.
 3528. Harpsichord.
 3529. Organ Improvisation. 1 hour. (0;0;0.5) Upper-level applied music, private lessons (MUAS only). Improvisation of binary, ternary, variation sets, scherzos. Themes drawn from choral and plainsong repertoire. Prerequisite(s): MUAG 4720 or consent of college.
 3531. Jazz Piano. (MUAC only.)

3531. Keyboard Continuo Playing. (MUAS only.)
 3532. Jazz Saxophone. (MUAC only.)
 3533. Jazz Voice. (MUAC only.)
 3536. Jazz Trumpet. (MUAC only.)
 3537. Jazz Trombone. (MUAC only.)
 3538. Jazz Bass. (MUAC only.)

Chamber Music, MUCM

3510. String Chamber Music. 1 hour. (0;2)
 3520. Woodwind Chamber Music. 1 hour. (0;2)
 3530. Brass Chamber Music. 1 hour. (0;2)
 3540. Percussion Chamber Music. 1 hour. (0;2)
 3550. Jazz Chamber Music. 1 hour. (0;2)

Composition, Music, MUCP

1180. Beginning Composition I. 2 hours. (2;2) Basic technical and creative skills, survey of recent music literature. Prerequisite(s): concurrent enrollment in MUTH 1400-1410 or MUTH 1500-1510, or successful completion of MUTH 1500-1510.

1190. Beginning Composition II. 2 hours. (2;0) Continuation of MUCP 1180. Prerequisite(s): MUCP 1180; MUTH 1500-1510 (may be taken concurrently).

2080. Secondary Composition I. 1-2 hours. (1;0) Writing small works in contemporary styles. Prerequisite(s): successful completion of MUCP 1190; consent of college. May be repeated for credit, contingent on a grade of B or better. Primarily for non-composition majors.

2180. Intermediate Composition I. 1-2 hours each. (1;0) Writing in small forms for simple media in contemporary styles. Prerequisite(s): MUCP 1180 and 1190 (with grades of B or better); MUTH 1400, 1410, 1500 and 1510 (with a grade of B or better); acceptance at the concentration level on an instrument or voice. For composition majors only.

2190. Intermediate Composition II. 1-2 hours. (1;0) Continuation of MUCP 2180. Sophomore composition jury required at the end of the term/semester. Prerequisite(s): MUCP 2180 (with a grade of B or better); MUTH 2400 and 2410 (with a grade of B or better). For composition majors only.

2900. Special Problems. 1-3 hours. Prerequisite(s): consent of college.

3080. Class Composition. 3 hours. Beginning problems in composition; composition and study of contemporary styles and techniques. Prerequisite(s): MUTH 2500 and 2510. For non-composition majors.

3180. Advanced Composition I. 2-3 hours. (3;0) Continuation of MUCP 2190. Extended works for larger combinations of instruments or voices. Prerequisite(s): MUCP 2190 (with a grade of B or better); MUTH 2500 and 2510 (with a grade of B or better); consent of college following sophomore composition jury. For composition majors only.

3190. Advanced Composition II. 2-3 hours. (0;3) Continuation of MUCP 3180. Prerequisite(s): MUCP 3180 (with a grade of B or better). For composition majors only.

4080. Secondary Composition II. 2-3 hours. (3;0) Writing small works in contemporary styles. Prerequisite(s): MUCP 2080 or 3080, or equivalent. For non-composition majors. May be repeated for credit, contingent on a grade of B or better.

- 4180 Advanced Composition III.** 2-3 hours. (0;3)
Continuation of MUCP 3190. Advanced projects for various media. Prerequisite(s): MUCP 3190 (with a grade of B or better). For composition majors only. May be repeated for credit, contingent on a grade of B or better.
- 4190. Advanced Composition IV.** 3 hours. (0;3)
Continuation of MUCP 4180. Production of senior composition recital. Prerequisite(s): MUCP 4180 (with a grade of B or better). For composition majors only.
- 4310. Instrumentation.** 3 hours. Basic ranges, transpositions and terminology; transcriptions for instrumental combinations. Score study and rehearsal attendance required. Prerequisite(s): MUCP 2190 or 3080 (with a grade of B or better); or consent of college; MUTH 2500 and 2510.
- 4320. Orchestration.** 3 hours. Historical survey of orchestration practices, with emphasis on contemporary approaches. Creation of original works or transcriptions for orchestra. Score study and rehearsal attendance required. Prerequisite(s): MUCP 4310 (with a grade of B or better) and MUCP 2190, or equivalent. Primarily for composition majors.
- 4460. Contemporary Music.** 3 hours. Study of recent music emphasizing experimental compositional techniques. Listening, score study and analysis. Prerequisite(s): MUTH 2500, 2510 and MUMH 3510, or consent of college.
- 4595. Intermedia Performance Arts.** 3 hours. (3;1)
Introduction to intermedia performance through class performance, repertoire analysis, historical context and close readings of critical texts. Production of and performance in individual and group projects in the presentation of intermedia compositions, emphasizing computer music media and utilizing the resources of the Merrill Ellis Intermedia Theater. Open to undergraduate students in music and other arts, radio and television. Prerequisite(s): consent of college.
- 4670. Introduction to Electro-acoustic Music.** 3 hours. (3;1)
Theory, principles and practice of electro-acoustic composition. Includes weekly studio time. Prerequisite(s): 6 hours of composition or consent of college.
- 4680. Topics in Electro-Acoustic Music.** 3 hours. (3;1)
Continuation of MUCP 4670. Includes weekly studio time. Prerequisite(s): MUCP 4670, or consent of college. May be repeated for credit, contingent on a grade of B or better.
- 4900-4910. Special Problems.** 1-3 hours each.
Prerequisite(s): consent of college.

Education, Music, MUED

- 1103. Techniques in Classroom Instruments.** 1 hour. (0;3)
Fundamentals and literature in recorder consort; folk-guitar strumming techniques and applicability to other chordal instruments; proper use and handling of melody and percussion instruments in general music instruction.
- 1130 (MUSI 1304). Foundations in Music.** 3 hours.
Development of musical concepts and skills in listening and performance through use of elementary school music program materials and activities.
- 1140. Foundations in Music.** 3 hours. Methods and materials for teaching vocal music in elementary school. Prerequisite(s): MUED 1130. For elementary education majors only.
- 2310. Principles of Professional Music Study.** 2 hours. (2;0)
An overview of sociological, psychological and philosophical foundations of music and music professions. Explores the relationships of these foundations to individual and group characteristics, vocational issues and concerns of musicians working as performers, teachers, administrators and business owners. A prerequisite for MUED 3100 and 3200.
- 2900. Special Problems.** 1-3 hours. Prerequisite(s): consent of college.
- 3100. Music for Children.** 3 hours. (3;0)
Comprehensive study of musical elements, structures, forms, genres and exemplary literature as related to basic principles of child development. Principles of vocal and instrumental music performance as limited by developmental stages of children. Prerequisite(s): MUED 2310 or consent of college.
- 3200. Principles and Methods of Teaching Music in Secondary Schools.** 3 hours. Teaching methods and responsibilities common to choral and instrumental instruction in secondary schools. Covers such aspects as psychology of young adults, recruitment procedures, rehearsal management, concert programming, performance preparation, fund raising and adjudicated events. Prerequisite(s): MUED 2310 or consent of college.
- 4103. Advanced Techniques and Materials for Elementary General Music Instruction.** 3 hours. Techniques for instructional planning (K-6) utilizing aspects of various teaching approaches (Orff, Kodaly, Dalcroze and eclectic). Principles of sequentially organized materials and activities for the young learner in general music. Prerequisite(s): MUED 2310 and 3100, or consent of college.
- 4109. Methods and Materials for Teaching Instrumental Music in Elementary Schools.** 3 hours. Rehearsal objectives, instructional techniques and materials specific to beginning band and orchestra; rehearsal management and organization; visual and aural diagnostic skills for teaching performance fundamentals; lab school field experience. Prerequisite(s): MUED 2310 and 3100; and as applicable: MUAG 1102-1202, 1117, 1121-1221 and 1125-1225 and 1224, or consent of college.
- 4203. Music Performance: Vocal/Choral.** 3 hours. (3;0)
Principles of music performance using vocal and choral media. Nature of and influences on the human voice and its use, performance practices and procedures, and music literature for vocal and choral performance. Prerequisite(s): MUED 2310 and MUED 3200, or consent of college.
- 4209. Music Performance: Instrumental.** 3 hours. (3;0)
Principles of music performance using the band and/or orchestra ensemble. Foundations of performance on band and/or stringed instruments, rescoring and arranging for band and/or orchestra, fundamentals of marching band, performance practices, and standard band and/or orchestra literature. Prerequisite(s): 7 credit hours from MUAG 1102, 1117, 1121, 1125, 1202, 1221, 1224 and 1225; and MUED 3200.
- 4490. Comprehensive Musicianship.** 3 hours. Creative approach to music, relationships of theory, composition, history and performance. Independent projects in each area.
- 4660. Marching Band Methods.** 3 hours. Objectives of the marching band related to the total music education program. Organization of the marching band; development of marching style, show planning, charting methods, training and use of auxiliary units, script writing, and arranging; parade marching. Prerequisite(s): MUED 4209 or equivalent, or consent of college.
- 4850. Seminar in Song Literature for Children.** 3 hours.
Introduction to the standard song literature and the musical concepts related to that literature appropriate for children, ages 4 to 12. For all music students interested in composing for and performing with children's ensembles.
- 4900-4910. Special Problems.** 1-3 hours each.
Prerequisite(s): consent of college.

Ensembles, Music, MUEN

- 2602. Brass Ensembles.** 1 hour. (0;3)
- 2605. Chamber Wind Ensemble.** 1 hour. (0;3) Admission by audition only.
- 2611. Jazz Ensembles.** 1 hour. (0;2)
- 2616. Chamber Orchestra.** 1 hour. (0;3)
- 2617. Percussion Ensembles.** 1 hour. (0;2)
- 2621. String Ensembles.** 1 hour. (0;2)
- 2624. Vocal Ensembles.** 1 hour. (0;3) Admission by audition only.
- 2625. Wind Ensembles.** 1 hour. (0;2)
- 2630. Harp Ensemble.** 1 hour. (0;4)
- 3040. Opera Theatre.** 1 hour. (0;3) Practical operatic experience in performing portions of or complete operas; integration of music, acting and staging of an opera.
- 4530-4540. Collegium Musicum.** 1 hour each. (0;3) Performance of less well-known vocal and instrumental music from the period 1200 to 1800. Prerequisite(s): consent of college.
- 4595. Intermedia Performance Arts.** 1 hour. (0;4) Performance component of MUCP 4595. May be taken by composition majors to fulfill one term/semester of laboratory credit.
- 4631. Nova Ensemble.** 1 hour. (0;4) Performance of contemporary chamber works for mixed ensembles. Prerequisite(s): audition required.

Ethnomusicology, Music, MUET

- 3020. Popular Music in American Culture.** 3 hours. Historical development of popular musical styles, including Tin Pan Alley, Blues, Country and Western, Big Band Swing, 1950s Rock and Roll, Rhythm and Blues, Soul, the British Invasion, Art Rock, Punk, Reggae and Heavy Metal. These musical styles are explored as part of the sociocultural complex in which they developed. For non-music majors. *Satisfies the Cross-cultural, Diversity and Global Studies requirement of the University Core Curriculum.*
- 3030. Music Cultures of the World.** 3 hours. Survey of music cultures of Africa, the Americas, Asia and Oceania. Music traditions are studied from a perspective that emphasizes music as an integral part of society and culture. *Satisfies the Cross-cultural, Diversity and Global Studies requirement of the University Core Curriculum.* Open to students in any major.
- 3617. African Music and Movement.** 1 hour. (2.5;0) Study of selected African drum music and development of related traditional movement skills through studio experience. Movements will be compared and contrasted with various African dance styles, while exploring their cultural basis, recreational and social uses, and artistic and educational values. May be repeated for credit. (Same as DANC 3617.)
- 4500. Introduction to Ethnomusicology.** 3 hours. A general overview of the discipline of ethnomusicology, including major contributions to the field, history, methodology and practical applications. Case studies are used to illustrate specific theoretical problems encountered in ethnomusicological research.

General Music, MUGC

- 4000. The Business of Music.** 3 hours. (2;1) Survey of the contemporary business of music, focusing on economic realities unique to the music industry and on available career options in music. Prerequisite(s): consent of college.

4890. Studies in Music. 1-3 hours. Organized classes specifically designed to accommodate the needs of students and demands of program development that are not met by the regular offerings. Short courses and workshops on specific topics organized on a limited-offering basis. May be repeated for credit.

4900-4910. Special Problems. 1-3 hours each.

Music History and Literature, Musicology, MUMH

- 1600 (MUSI 1307). Music in Human Imagination.** 3 hours. An introduction to critical issues in music from a multicultural perspective with emphasis on developing listening skills and critical thinking. Open to majors in other fields. Must be taken prior to MUMH 3500-3510. *Satisfies the Visual and Performing Arts requirement of the University Core Curriculum.*
- 2040 (MUSI 1306). Music Appreciation.** 3 hours. Music masterpieces; elements of music, form and design; relation of music to other areas of cultural development; live and recorded performances. For non-music majors. *Satisfies the Visual and Performing Arts requirement of the University Core Curriculum.*
- 2900. Special Problems.** 1-3 hours. Prerequisite(s): consent of college.
- 3000. Nineteenth-Century Music.** 3 hours. Music in Romantic Humanism; lectures, recordings, art works and live performances. For non-music majors. *Satisfies the Visual and Performing Arts requirement of the University Core Curriculum.*
- 3010. Twentieth-Century Music.** 3 hours. Music since Impressionism; changing currents in culture and society. Lectures, recordings, art works and live performances. For non-music majors. *Satisfies the Visual and Performing Arts requirement of the University Core Curriculum.*
- 3500. Music History and Literature to 1750.** 3 hours. (3;1) Comprehensive coverage of stylistic developments, genres, and creative figures in Western art music from the Middle Ages to the mid-18th century. Prerequisite(s): MUMH 1600.
- 3510. Music History and Literature Since 1750.** 3 hours. (3;1) Comprehensive coverage of stylistic developments, genres, and creative figures in Western art music from the Classic period to the present. Prerequisite(s): MUMH 1600.
- 4050. Symphonic Literature.** 3 hours. The orchestra and symphonic forms from Haydn to present; composers, works, score study and listening. May not be repeated at the graduate level as MUMH 5050. (Same as MUMH 5050.)
- 4070. Operatic Literature.** 3 hours. Listening and recognition; musical and dramatic analysis; trends in composition. May not be repeated at the graduate level as MUMH 5070. (Same as MUMH 5070.)
- 4750. Concerto Literature.** 3 hours. Concerto from Baroque to the present. Prerequisite(s): MUMH 1600.
- 4760. Chamber Music Literature.** 3 hours. Chamber music from the Baroque to the present. Prerequisite(s): MUMH 1600.
- 4770. Masterpieces of Choral Literature.** 3 hours. Choral masterpieces from the Renaissance to the present. Prerequisite(s): MUMH 1600.
- 4780. American Music.** 3 hours. Music of American composers from colonial times to the present. Prerequisite(s): MUMH 1600.

4800. Nazism, Judaism and the Politics of Classical Music in Germany. 3 hours. Explores the connections between Nazi ideology, politics, anti-Semitism and classical music in Nazi Germany.

4810. Jews, Judaism Anti-Semitism and Opera. 3 hours. Explores different roles of Jews in opera, including sympathetic representations by Jewish composers, and negative stereotyping by both Jewish and non-Jewish composers.

4900-4910. Special Problems. 1-3 hours each. Prerequisite(s): consent of college.

4920. Senior Thesis in Music History. 3 hours. (0;0; individual instruction) A major research paper on a specialized topic in music history appropriate to advanced undergraduate standing. Prerequisite(s): MUMH 1600, 3500 and 3510.

Jazz Studies, Music, MUJS

1131. Jazz Performance Fundamentals I. 1 hour. (0;2) Study of the basics of jazz performance. Topics covered include instrumental technique, style, interpretation and improvisation. Prerequisite(s): audition and/or consent of college.

1132. Jazz Performance Fundamentals II. 1 hour. (0;2) A continuation of Jazz Performance Fundamentals I. Prerequisite(s): MUJS 1131.

1140. Jazz Bass Fundamentals. 1 hour. (0;2) A study of melodic approaches to walking bass lines, chord arpeggio and scale fingerings, and the function of the instrument in a rhythm section. Prerequisite(s): audition and/or consent of college.

1150. Jazz Piano Master Class. 1 hour. (0;2) A continuation of Jazz Keyboard Fundamentals, including study of polychords, altered chords and quartal voicing. Prerequisite(s): MUJS 1371.

1360. Jazz Fundamentals. 2 hours. (2;0) Introduction to jazz harmony and scales. Drill in ear training and keyboard. Required for freshman majors in jazz studies. Open to music majors who are enrolled in or have completed MUTH 1400-1410. Majors in other fields admitted by consent of college.

1361. Jazz Aural Fundamentals. 1 hour. (0;2) Drill in ear-training of the melodic, harmonic and rhythmic materials that are idiomatic to jazz. Includes the singing of jazz chords and scales and the singing, dictation and transcription of jazz melodies, rhythms and chord progressions.

1370. Jazz Fundamentals. 2 hours. (2;0) Continuation of MUJS 1360. Prerequisite(s): MUJS 1360 and 1361 with grade of A or B.

1371. Jazz Keyboard Fundamentals. 1 hour. (0;2) Basic jazz keyboard skills. Keyboard realization of jazz harmony with typical idiomatic voicings. Prerequisite(s): MUJS 1360 with grade of A or B, or consent of college.

1470. Introduction to Jazz Recordings. 3 hours. (3;0) An introductory overview of key artists and recordings in the history of jazz, including their stylistic, historical and social context.

2360. Jazz Improvisation. 2 hours. (2;0) Materials and practices for improvising in the jazz idiom. Prerequisite(s): grades no lower than B in applied music concentration; MUJS 1132, 1370, 1371 and 1470 with grades of A or B; and entrance audition.

2370. Jazz Improvisation. 2 hours. (2;0) Continuation of MUJS 2360. Prerequisite(s): grades no lower than B in applied music concentration; MUJS 2360 with grade of A or B.

2900. Special Problems. 1-3 hours. Prerequisite(s): consent of college.

3120. Vocal Jazz Techniques. 2 hours. (2;0) A practical study of the basic vocal, interpretative, and microphone techniques for the performance of vocal jazz. Prerequisite(s): MUTH 1500, MUJS 1370, 1371 and 1470. May be repeated for credit, contingent on a minimum grade of B.

3131. Intermediate Jazz Guitar. 1 hour. (0;2) A study of the composition and melodic solo styles of major artists. Prerequisite(s): MUJS 1131 and 1132.

3132. Advanced Jazz Guitar. 1 hour. (0;2) A study of jazz guitar chord solos involving concepts of substitution and the reharmonization of melodies. Prerequisite(s): MUJS 3131.

3140. Advanced Jazz Double-Bass Styles. 2 hours. A continuation of Jazz Bass Fundamentals and the study of the accompaniment and solo styles of major artists. Prerequisite(s): MUJS 1140.

3150. Advanced Jazz Piano Master Class. 1 hour. (0;2) Study of jazz piano style and performance practice.

3360. Advanced Jazz Improvisation. 2 hours. (2;0) Performances of improvised solos. Includes standards and original works. Improvisation by memory and reading chord symbols. Prerequisite(s): grades no lower than B in applied music concentration; MUJS 2370 with grade of A or B; Jazz Studies Proficiency Examination.

3370. Advanced Jazz Improvisation. 2 hours. (2;0) Continuation of MUJS 3360. Prerequisite(s): grades no lower than B in applied music concentration; MUJS 3360 with grade of A or B.

3470. Jazz Lecture Series. 1 hour. (1;0) Contemporary jazz composition, performances and presentations by nationally recognized composers, arrangers and performers. Open to majors in other fields by consent of college.

3610. Jazz Arranging. 3 hours. Jazz harmony, melody and rhythm applied to modern instrumentation; arrangements written and played. Prerequisite(s): MUJS 1370, 1371 and 1470 with grades of A or B, MUTH 1500 and 1510, or consent of college.

3620. Jazz Arranging. 3 hours. Continuation of MUJS 3610. Prerequisite(s): MUJS 3610 with grade of A or B.

4120. Vocal Jazz Styles. 2 hours. (1;1) Advanced vocal and recording techniques for the jazz studies major with a vocal concentration. Performing and recording with instrumental groups. Prerequisite(s): MUJS 3120 (four terms/semesters), and completion of vocal concentration requirements. Concurrent enrollment in MULB 1820, Jazz Singers, required. May be repeated for credit, contingent on a minimum grade of B.

4450. Radio and Television Music. 3 hours. Composition, orchestration and production of music for advertising and broadcast. Prerequisite(s): MUJS 3620 or consent of college.

4470. History of Jazz. 3 hours. A chronological survey of the major styles and artists of jazz, from African acculturation in the New World to the present. Prerequisite(s): MUJS 1470 with grade of C or higher.

4610. Advanced Jazz Arranging. 3 hours. (2;4) Analysis and composition of music for the modern jazz orchestra. Prerequisite(s): MUJS 3620 with grade of A or B, and passing grade on Jazz Studies Proficiency Examination. Corequisite(s): MULB 1808 or consent of department.

4620. Advanced Jazz Arranging. 3 hours. (2;4) Continuation of MUJS 4610. Prerequisite(s): MUJS 4610 with a grade of A or B.

4630. Vocal Jazz Arranging. 3 hours. Group and individual instruction in jazz harmony, rhythm and melody, applied to contemporary vocal ensemble. Arrangements written and performed. Prerequisite(s): MUJS 3610 with minimum grade of B. Concurrent enrollment in MUEN 2624, Jazz Singers, required.

4700. Jazz MIDI Performance Seminar. 3 hours. (2;1) The application of Musical Instrument Digital Interface technology to contemporary jazz composing, arranging and performance. Introduction to MIDI hardware and software. Multi-track programming, recording and editing. Preparation of professional quality project on tape with hard copy print-outs of score and parts for performance. Prerequisite(s): MUJS 2370, 3620; MUAG 1014; or equivalent.

4710. Advanced Jazz MIDI Techniques. 3 hours. (2;1) Continuation of MUJS 4700 with emphasis on notation software, sound editor and librarian software and digital sampling techniques. Preparation of a professional quality project involving the printing of a full score and individual parts. Prerequisite(s): MUJS 4700 or consent of college.

4900-4910. Special Problems. 1-3 hours each. Prerequisite(s): consent of college.

Music Laboratories, MULB

1801. A Cappella Choir. 1 hour. (0;5)

1802. Concert Choir. 1 hour. (0;5)

1803. Women's Chorus. 1 hour. (0;5)

1804. Recital Choir. 1 hour. (0;5) Admission by audition only.

1805. Orchestra. 1 hour. (0;6)

1806. Wind Symphony. 1 hour. (0;4)

1807. Symphonic Band. 1 hour. (0;4)

1808. Jazz Lab Band. 1 hour. (0;4)

1811. Accompanying. 1 hour. (0;4) Studio accompanying or sight-reading classes according to capability.

1812. Marching Band. 1 hour. (0;4)

1813. Concert Band. 1 hour. (0;4)

1815. Men's Chorus. 1 hour. (0;5)

1816. Chamber Choir. 1 hour. (0;5)

1817. Jazz Guitar Laboratory. 1 hour. (0;4)

1818. Jazz Repertory Laboratory. 1 hour. (0;4)

1819. Jazz Keyboard Laboratory. 1 hour. (0;4)

1820. Jazz Singers Laboratory. 1 hour. (0;4)

Theory, Music, MUTH

1260 (MUSI 1301). Music Fundamentals. 3 hours. Introduction to elements of music, staff, clefs, key signatures, scales, time signatures and notation; meter and rhythm; theory applications at keyboard. Credit in this course may not be applied to a music degree.

1400 (MUSI 1211 or 1311). Theory I. 2 hours. (2;0) Large-lecture format. Introduction to analysis, part writing, figured bass realization, and harmonization beginning with melody and two-part exercises. Prerequisite(s): enrollment limited to students who are enrolled in or who have completed MUTH 1410.

1410 (MUSI 1216 or 1316). Aural Skills I. 2 hours. (2;1) Reinforcement of theoretical concepts presented in MUTH 1400 via singing, ear training, keyboard, and conducting experiences. Prerequisite(s): enrollment limited to students who are enrolled in or who have completed MUTH 1400.

1500 (MUSI 1212 or 1312). Theory II. 2 hours. (2;0) Continuation of analysis, part writing, figured bass realization and harmonization covering harmonic vocabulary of 18th-century music and smaller forms of the Baroque period. Prerequisite(s): MUTH 1400 and 1410. Enrollment limited to students who are enrolled in or who have completed MUTH 1510.

1510 (MUSI 1217 or 1317). Aural Skills II. 2 hours. (2;1) Reinforcement of theoretical concepts presented in MUTH 1500 via singing, ear training, keyboard, and conducting experiences. Prerequisite(s): MUTH 1400 and 1410. Enrollment limited to students who are enrolled in or who have completed MUTH 1500.

2400 (MUSI 2211 or 2311). Theory III. 2 hours. (2;1) Analysis, part writing, figured bass realization and harmonization covering harmonic vocabulary of late eighteenth and nineteenth centuries, larger forms of the Baroque era and form of the Classic and Romantic eras. Computer competency skills are included. Prerequisite(s): MUTH 1500 and 1510. Enrollment limited to students who are enrolled in or who have completed MUTH 2410.

2410 (MUSI 2116 or 2216). Aural Skills III. 1 hour. (2;0) Reinforcement of theoretical concepts presented in MUTH 2400 via singing, ear training, keyboard and conducting experiences. Prerequisite(s): MUTH 1500 and 1510. Enrollment limited to students who are enrolled in or who have completed MUTH 2400.

2500 (MUSI 2212 or 2312). Theory IV. 2 hours. (2;1) Analysis, part writing and harmonization covering musical practice of the period from 1880 to 1950. Prerequisite(s): MUTH 2400 and 2410. Enrollment limited to students who are enrolled in or who have completed MUTH 2510.

2510 (MUSI 2117 or 2217). Aural Skills IV. 1 hour. (2;0) Reinforcement of theoretical concepts presented in MUTH 2500 via singing, ear training, keyboard and conducting experiences. Prerequisite(s): MUTH 2400 and 2410. Enrollment limited to students who are enrolled in or who have completed MUTH 2500.

2900. Special Problems. 1-3 hours. Prerequisite(s): consent of college.

3410. Sixteenth-Century Counterpoint. 3 hours. (3;0) Contrapuntal procedures of 16th-century composers. Writing motets and madrigals in two to four voices. Prerequisite(s): MUTH 2400 and 2410.

3420. Eighteenth-Century Counterpoint. 3 hours. Contrapuntal procedures of 18th-century composers. Writing inventions, chorale preludes and other 18th-century forms. Prerequisite(s): MUTH 2400 and 2410.

3510. Form Analysis. 3 hours. Structural principles of 18th- and 19th-century music determined by analysis of major composers' works, larger instrumental and vocal forms. Prerequisite(s): MUTH 2400 and 2410.

3520. Harmonic Analysis. 3 hours. Harmonic structure of compositions representative of different schools and composers. Prerequisite(s): MUTH 2400 and 2410.

3550. Advanced Sight Singing. 1 hour. (0;3) Instruction and practice in sight-singing materials more difficult than those taught in freshman- and sophomore-level theory classes. Development of speed reading: use of all C clefs; techniques in reading contemporary scores. Prerequisite(s): MUTH 2510 and Theory Proficiency Examination.

4370. Schenkerian Analysis. 3 hours. (3;0) Analysis of tonal music according to the theory of structural levels and methods of graphic analysis developed by Heinrich Schenker. Prerequisite(s): MUTH 2400 and 2410.

4520 Twentieth-Century Techniques. 3 hours. Dodecaphonic and atonal set theory techniques as applied to representative works of the 20th century. Prerequisite(s): MUTH 2500 and 2510.

4900-4910. Special Problems. 1-3 hours each. Prerequisite(s): consent of college.

4920. Senior Colloquium in Music Theory. 3 hours. In consultation with the instructor, each student is to develop a major paper on a specialized topic in music theory, as appropriate to advanced undergraduate standing. Prerequisite: MUTH 3410, 3420, 3510, 3520 and 3550.

Music Education

see Music

Music Laboratories

see Music

Music History and Literature, Musicology

see Music

Nuclear Engineering Technology

see Engineering Technology

Philosophy and Religion Studies

Philosophy, PHIL

1050 (PHIL 1301). Introduction to Philosophy. 3 hours. Selected problems, issues and major philosophers. Critical study of philosophical arguments and schools. *Satisfies the Humanities requirement of the University Core Curriculum.*

1400 (PHIL 2306). Introduction to Contemporary Moral Issues. 3 hours. Explores philosophical dimensions of such moral issues as abortion, artificial insemination, care of the aged, care of the dying, chemical and drug therapy, meaning of personhood, marriage and divorce, mercy killing, the mental health ethic, new styles of intimacy, organ transplanting, premarital and extramarital sexual behavior, persuasion techniques, pollution and conservation, violence and oppression, pornography and world hunger. *Satisfies the Humanities requirement of the University Core Curriculum.*

2050 (PHIL 2303). Introduction to Logic. 3 hours. Correct types of arguments; language analysis. *Satisfies the Humanities requirement of the University Core Curriculum.*

2070 (PHIL 1304). Introduction to Great Religions. 3 hours. Philosophical and social dimensions of Hinduism, Buddhism, Taoism, Judaism, Christianity, Humanism and Islam. Emphasizes the diversity of religious experience and traditions. *Satisfies the Cross-cultural, Diversity and Global Studies requirement of the University Core Curriculum.*

2310 (PHIL 2316). Introduction to Ancient Philosophy. 3 hours. An examination of metaphysical, epistemological and ethical views in the Ancient Period, focusing on the writings of Plato and Aristotle. *Satisfies the Humanities requirement of the University Core Curriculum.*

2330 (PHIL 2317). Introduction to Modern Philosophy. 3 hours. (2;0;1) An examination of metaphysical, epistemological and ethical views in the Modern Period, focusing on the writings of the Rationalists and the Empiricists. *Satisfies the Humanities requirement of the University Core Curriculum.*

2400. Religion and American Society. 3 hours. Selected topics in the relationship of religion to society in the United States. Subjects covered include the development of religious pluralism in the United States, the role and contributions of religious minorities, religion and civil rights, religion and gender issues and religious response to cultural change. *Satisfies the Cross-cultural, Diversity and Global Studies requirement of the University Core Curriculum.*

2500. Introduction to Contemporary Environmental Issues. 3 hours. Explores ethical, ecological and policy dimensions of such international environmental issues as atmospheric and water pollution, global climate change, care of agricultural lands, water scarcity, overharvest of renewable resources, loss of biodiversity and world population growth. Environmental problems are related to other social and ethical concerns. *Satisfies the Humanities requirement of the University Core Curriculum.*

2900. Special Problems. 1-3 hours.

3100. Aesthetics. 3 hours. Principles of value and aesthetics proposed by representative artists and philosophers. Prerequisite(s): upper-division standing or consent of department. Recommended for art majors.

3110. Epistemology. 3 hours. Fundamental problems and issues of the knowing situation; realistic, dualistic and idealistic epistemic positions; critique of traditional contemporary theories of knowing in ancient medieval and modern thought. Prerequisite(s): upper-division standing or consent of department.

3120. Introduction to Social and Political Philosophy. 3 hours. Relation between philosophical ideas and community; natural right, justice, freedom and authority.

3200. Philosophy in Literature. 3 hours. Major philosophical themes such as Platonism, stoicism, skepticism and mysticism that appear in poetry, fiction and drama. Prerequisite(s): upper-division standing or consent of department.

3250. Philosophy of Natural Science. 3 hours. Development of theories and methods in sciences; organization of sciences and their cultural implications. Prerequisite(s): upper-division standing or consent of department. Recommended for science majors.

3260. Philosophy of Social and Behavioral Science. 3 hours. Methodologies and criteria of verification appropriate to fields of inquiry; philosophical presuppositions of various schools of behavioral science; science versus ideology. Prerequisite(s): upper-division standing or consent of department.

3300. Symbolic Logic. 3 hours. Symbolic analysis applied to logical problems; consistency and completeness; postulational method used in mathematics and logic. Prerequisite(s): upper-division standing or consent of department.

3310-3360. The History of Philosophy. 3 hours each.

3310. Ancient Philosophy. Philosophical thought from the pre-Socratics through Plotinus including Plato and Aristotle.

3320. Medieval Philosophy. Philosophical thought from Saint Augustine to the Renaissance including Saint Thomas Aquinas. Prerequisite(s): upper-division standing or consent of department.