ogy. Neural-endoctrine interactions; neural regulation of the endocrine system, especially in relation to reproduction; the role of hormones and growth factors in sexual differentiation of the brain.

234. Current Topics in Neurotoxicology (3)
Lecture—3 hours. Prerequisite: core courses in one of the following graduate programs: Pharmacology and Toxicology, Agricultural and Environmental Chemistry, Biochemistry and Molecular Biology, Cell and Developmental Biology, Immunology, Molecular Cellular and Integrative Physiology or Neuroscience. Restricted to upper level undergraduate students must obtain permission from the course coordinator. General principles of neurotoxicology, the cell and molecular mechanisms and health impacts of specific neurotoxants and the contribution of neurotoxic compounds to complex neurodevelopmental disorders and neurodegenerative diseases. [Same course as Environmental Toxicology 234 and Molecular Sciences 234] Offered in alternate years. —W. Lin

242. Biological Rhythms (3)
Lecture—2 hours; lecture/discussion—1 hour. Prerequisite: Neurobiology, Physiology, and Behavior 110 or the equivalent. General aspects and basic mechanisms of biological rhythms; the importance of rhythm desynchronization in areas of pharmacology and space medicine; telemetry; mathematical methods, chronometrics, reproducibility, and annual periods; shift-work, jet lag and sleep disorders. Offered in alternate years. —(F.) Fuller

255. Physiology of the Stress Response (2)
Lecture/discussion—2 hours. Prerequisite: graduate student standing. Stresses; Physiological mechanisms of adaptation to stress; Hormonal control of the systemic stress response; Methods of the cellular stress response; Discussion of current trends in stress physiology and current methods for studying the stress response. [Same course as Animal Biology 255.—S. Kuehl]

261A. Topics in Vision: Eyes and Retinal Mechanisms (2)
Lecture/discussion—2 hours. Prerequisite: graduate standing, Neurobiology, Physiology, and Behavior 100 or 112 or the equivalent. Structure and function of the visual system, with emphasis on the eye and retina, including optics, anatomy, transduction, retinal synapses, adaptation, and parallel processing. [Same course as Neuroscience 261A and Neurobiology, Physiology, and Behavior 261A.]—F., (F.) Chen, Grandi

261B. Topics in Vision: Systems, Psychophysics, Computational Models (2)
Lecture/discussion—2 hours. Prerequisite: consent of instructor; course 261A recommended. Functions of the visual pathways and their underlying mechanisms. Recent research on aspects of anatomy, biochemistry, electrophysiology, psychophysics, development, and genetics of the visual system. [Same course as Neuroscience 261B and Neurobiology, Physiology, and Behavior 261B.]—(S/U grading only.) Offered in alternate years. —W. Britten

261C. Topics in Vision: Clinical Vision Science (2)
Lecture/discussion—2 hours. Prerequisite: courses 261A and 261B, or consent of instructor. Causes and mechanistic bases of major blinding diseases. Recent research on aspects of anatomy, biochemistry, physiology, psychophysics, development, and genetics of the visual system related to disease. [Same course as Neuroscience 261C and Neurobiology, Physiology, and Behavior 261C]—(S/U grading only) Offered irregularly.—S. Werner

275. Neurohormonal Regulatory Mechanisms of Thermogenesis (3)
Lecture—2 hours; discussion—1 hour. Prerequisite: Biological Sciences 104 or the equivalent; Biological Sciences 104 or the equivalent; consent of instructor. Designed for graduate and advanced undergraduate students, this course will examine thermogenic mechanisms in homeotherms [primarily mammals] with respect to regulation (hormonal and central nervous control) and effector mechanisms (basis of heat production at the target cell).

290. Seminar (1)
Seminar—1 hour. Discussion and critical evaluation of advanced topics and current trends in research. (S/U grading only)—F., W. S. [F, W, S.]

290C. Research Conference in Physiology (1)
Discussion—1 hour. Prerequisite: graduate standing and consent of instructor. Presentation and discussion of faculty and graduate student research in physiology. May be repeated for credit. (S/U grading only)—F., W. S. [F, W, S.]

291B. Seminar in Cellular Mechanisms of Adaptation (1)
Seminar—2 hours. Prerequisite: graduate standing in Graduate Course or consent of instructor. Current research in physiology. Overall design of experiments and particular research areas. (S/U grading only)—F., (F.) Chen, Grandi

293. Current Progress in Physiology (1)
Seminar—1 hour. Prerequisite: graduate standing and consent of instructor. Seminars presented by guest lecturers describing their current research activities. May be repeated for credit. (S/U grading only)

298. Group Study (1-5)

299. Research (1-12)
(S/U grading only)

Professional

300A. Pedagogical Aspects of Physiology in Higher Education (3)
Lecture; discussion; laboratory. Prerequisite: meet qualifications for teaching assistant in physiology. Participation as a teaching assistant for one quarter in a designated physiology course. Instruction in methods of leading discussion groups, leading laboratory sections, writing and grading quizzes, operation and use of laboratory equipment, and reading and grading laboratory reports. Course meets teaching requirements for Ph.D. program in Physiology. (S/U grading only)—F., W. S. [F, W, S.]

300B. Pedagogical Aspects of Physiology in Higher Education (3)
Lecture; discussion; laboratory. Prerequisite: meet qualifications for teaching assistant in physiology. Participation as a teaching assistant for one quarter in a designated physiology course. Instruction in methods of leading discussion groups, leading laboratory sections, writing and grading quizzes, operation and use of laboratory equipment, and reading and grading laboratory reports. Course meets teaching requirements for Ph.D. program in Physiology. (S/U grading only)—F., W. S. [F, W, S.]

305. Research Conference in Physiology (1)
Discussion—1 hour. Prerequisite: Teaching Assistant assignment to a physiology laboratory course and consent of instructor. Practical experience in methods and problems of teaching physiology lecture courses. May include analyses of texts and supporting material, discussion of teaching techniques, preparation for and conducting discussion sections, and formulation of topics and questions for examinations under supervision of instructor. May be repeated for credit. (S/U grading only)—F., W. S. [F, W, S.]

310. The Teaching of Physiology (1)
Discussion—1 hour. Prerequisite: Teaching Assistant assignment to a physiology laboratory course and consent of instructor. Practical experience in methods and problems of teaching physiology lecture courses. May include analyses of texts and supporting material, discussion of teaching techniques, preparation for and conducting discussion sections, and formulation of topics and questions for examinations under supervision of instructor. May be repeated for credit. (S/U grading only)—F., W. S. [F, W, S.]

The Major Program
The Bachelor of Arts degree in music provides both a broad liberal arts education and the skills necessary to explore music through its history, composition, theory, and performance. Students majoring in music may choose from three tracks in the major: (1) composition, (2) music history, theory, and ethnomusicology, or (3) performance. After a common core of courses in the lower division, students pursue
their chosen track with specialized courses leading to an appropriate senior project. All majors are expected to complete a substantial project (composition, research presentation, recital) in the senior year (Music 195). Music majors who intend to pursue graduate studies in music are encouraged to satisfy the requirements of one of the honors programs. 

**Study Abroad and the Music Major.** The department encourages students to pursue a portion of their studies abroad. In close collaboration with their undergraduate advisers, students plan a course of study that complements their coursework at Davis. UC Davis Music majors have completed upper division coursework at EAP partner institutions in Australia, England, France, Germany, and Italy; Music majors have also participated in summer programs in Argentina and Austria. 

The Program. A fundamental grounding in music theory, music history, and performance during the last two years of undergraduate work. Students who graduate with the last two years of undergraduate work. 

**Career Alternatives.** Students who graduate with the last two years of undergraduate work. 

A.B. Major Requirements: 

**Preparatory Subject Matter.** 

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<thead>
<tr>
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<tbody>
<tr>
<td>Music 6A, 6B, 6C</td>
<td>9</td>
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<tr>
<td>Plus Music 2A, 2B, 2C</td>
<td>0-6</td>
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<tr>
<td>And Music 16A, 16B, 16C</td>
<td>0-6</td>
</tr>
<tr>
<td>Music 7A, 7B, 7C</td>
<td>9</td>
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<tr>
<td>Plus Music 17A, 17B, 17C</td>
<td>0-6</td>
</tr>
<tr>
<td>Music 24A, 24B, 24C</td>
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* May be excused by diagnostic examination at the beginning of each quarter.

**Depth Subject Matter.** 

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<tbody>
<tr>
<td>Track 1: Composition</td>
<td>42</td>
</tr>
<tr>
<td>Music 123, 124A, 124B</td>
<td>9</td>
</tr>
<tr>
<td>Music 121 or 122</td>
<td>4</td>
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<tr>
<td>Music 131 (three quarters)</td>
<td>6</td>
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<tr>
<td>At least 6 units selected from: Music 140-151</td>
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At least 4 units from: 

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<tr>
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<tr>
<td>Music 102</td>
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At least 6 units selected from: 

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<tr>
<td>Track 2: Music History, Theory, and Ethnomusicology</td>
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<tr>
<td>Music 123, 124A, 124B</td>
<td>9</td>
</tr>
<tr>
<td>Music 121 and/or 122</td>
<td>8</td>
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<tr>
<td>Music 131 (three quarters)</td>
<td>6</td>
</tr>
<tr>
<td>Music 195</td>
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At least 6 units selected from: Music 140-151 | 6 |

At least 12 further units selected from: 

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<tr>
<td>113, 114, 115, 116, 121, 122, 126, 129A-D</td>
<td>19, 198</td>
</tr>
<tr>
<td>199</td>
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Track 3: Music Performance | 40 |

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<tbody>
<tr>
<td>Music 123, 124A, 124B, 124G</td>
<td>9</td>
</tr>
<tr>
<td>Music 121 or 122</td>
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<tr>
<td>Music 131 (three quarters)</td>
<td>6</td>
</tr>
<tr>
<td>Music 195</td>
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At least 13 units selected from: Music 131, 140-151 | 13 |

At least 6 further units selected from: 

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<tbody>
<tr>
<td>113, 114, 115</td>
<td>116, 121, 122, 126, 129A-D</td>
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</tbody>
</table>

Total Units for the Major | 64-85 |

**Note:** A maximum of 19 units in performance courses (Music 124A-124G) apply toward the degree; see Unit Credit Guidelines, College of Letters and Science degree requirements section. Faculty of the College of Letters and Science bylaws make it possible to take more than 19 units of performance classes without those additional units counting toward the 225-unit cap on units: Composition Honors Track | 46-50 |

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<td>Music 103</td>
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<td>Music 121 or 122</td>
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<tr>
<td>Music 131 (one year)</td>
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At least 6 units selected from: Music 140-151 | 6 |

Two quarters of Music 194A for a total of at least six units resulting in a Senior thesis | 6 |

At least 12 further units selected from: 

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<tbody>
<tr>
<td>113, 114, 115, 116, 121, 122, 126, 129A-D</td>
<td>19, 198</td>
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<td>199</td>
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</table>

Music History, Theory and Ethnomusicology Honors Track | 47 |

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<tbody>
<tr>
<td>Music 123, 124A, 124G</td>
<td>9</td>
</tr>
<tr>
<td>Music 121 and/or 122</td>
<td>8</td>
</tr>
<tr>
<td>Music 131 (three quarters)</td>
<td>6</td>
</tr>
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</table>

At least 6 units selected from: Music 140-151 | 6 |

Two quarters of Music 194A for a total of at least six units resulting in a Senior thesis | 6 |

At least 12 full units from: 

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<th>UNITS</th>
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<tbody>
<tr>
<td>113, 114, 115, 116, 121, 122, 126, 129A-D</td>
<td>19, 198</td>
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<tr>
<td>199</td>
<td>4</td>
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</tbody>
</table>

A student becomes eligible for graduation with honors by meeting the minimum GPA and course requirements established by the College of Letters and Science. To qualify for high or highest honors, students must also complete the Music Department honors program with a GPA of 3.50 or above and write a thesis or submit a portfolio that meets the criteria for high or highest honors. Students apply to participate in the Music Department honors program during the latter part of their junior year. Admission to the program is based on GPA, a thesis proposal, examples of previous writing, and the recommendation of the student's major adviser. 

**Graduate Study.** The Department of Music offers programs of study and research leading to the M.A. degree in composition/theory, musicology, ethnomusicology, and conducting, and the Ph.D. degree in composition/theory, musicology, and conducting. Detailed information regarding graduate study may be obtained from the Graduate Adviser. 

**Graduate Advisers.** K. Rohde, C. Hess 

Courses in Music (MUS) 

**Lower Division.** 

2A. Keyboard Competence, Part 1 (2) 

Performance—2 hours. Prerequisite: course 6A and 16A required concurrently. Training to meet the minimum piano requirements for the major in music. 

**Take: Music 6A and 6B.** Students are urged to take Music 2A-2B-2C (Keyboard Competence) unless they can pass out of one or more of the classes by demonstrating proficiency through a diagnostic exam given at the beginning of each quarter. Students learn (1) four-finger key; (2) major and minor scales; (3) fundamental fluency and figured bass at the keyboard; (3) major and minor scales with proper fingering; ability to sight read simple piano music and Bach chorales. 

**Student Performing Activities.** The Department of Music presents more than 100 concerts each year, offering performance opportunities for both majors and non-majors in the UC Davis Symphony Orchestra, University Chamber Band and Wind Ensemble, Early Music Ensemble, Baroque Chamber Orchestra, Jazz Band, world music ensembles (Gamelan, Samba School, Hindustani Vocal Ensemble, Korean Drumming Ensemble) and numerous chamber ensembles. There is a close relationship with the Robert and Margrit Mondavi Center for the Performing Arts, where several of the ensembles assemble.
Scales and simple harmonic progressions in twelve keys, both major and minor. (P/NP grading only.) GE credit: AH.—F. (F) Triest

2B. Keyboard Competence, Part 2 (2)
Performance—2 hours. Prerequisite: course 6B and course 16B required concurrently; completion of course 2A or demonstration of required keyboard proficiency level on diagnostic exam; consent of instructor. Training to meet the minimum piano requirements for the major in music. Harmonic progressions, modulations and score reading at the piano. (P/NP grading only.) GE credit: AH.—W. (W) Triest

2C. Keyboard Competence, Part 3 (2)
Performance—2 hours. Prerequisite: course 6C and course 16C required concurrently; completion of course 2B or demonstration of required keyboard proficiency level on diagnostic exam; consent of instructor. Training to meet the minimum piano requirements for the major in music. Harmonic progressions, fugue, bass realization, voice leading and keyboard repertory. (P/NP grading only.) GE credit: AH.—S. (S) Triest

3A. Introduction to Music Theory, Part I (4)
Lecture—1 hour; recitation—3 hours. Fundamentals of melody, harmony, counterpoint, and analysis directed toward the development of listening and writing techniques. Intended for the general student. GE credit: ArtHum | AH.—F. W. (F, W) Triest

3B. Introduction to Music Theory, Part II (4)
Lecture—1 hour; recitation—3 hours. Prerequisite: completion of course 3A or consent of instructor. Continuation of course 3A. Development of melodic and harmonic writing skills. Basic analysis training. Intended for the general student. GE credit: ArtHum | AH.—F. W. (W, S) Craig, Triest

6A. Elementary Theory, Part 1 (3)
Lecture—3 hours. Prerequisite: course 2A and course 16A required concurrently. Development of music reading and listening skills through the study of music fundamentals, species counterpoint, harmony, analysis of repertory. Intended primarily for music majors. GE credit: ArtHum | AH.—F. (F) Nichols

6B. Elementary Theory, Part 2 (3)
Lecture—3 hours. Prerequisite: course 2B and course 16B required concurrently; completion of course 6A or demonstration of required proficiency level on diagnostic exam. Continuation of course 6A. GE credit: ArtHum | AH.—W. (W) Nichols

6C. Elementary Theory, Part 3 (3)
Lecture—3 hours. Prerequisite: course 2C and course 16C required concurrently; completion of course 6B or demonstration of required proficiency level on diagnostic exam. Continuation of courses 6A & B. GE credit: ArtHum | AH.—S. (S) Nichols

7A. Intermediate Theory, Part 1 (3)
Lecture—3 hours. Prerequisite: course 6C; course 17A concurrently. Homophonic music of the Classical and Romantic eras. Analytical focus of music by Haydn, Mozart, and Beethoven. Composition of pieces in the homophonic forms such as minuet and trio, theme and variations, rondo and sonata. Intended for music majors. GE credit: ArtHum | AH.—F. (F) Bauer, Pelo, Rohde, San Martin

7B. Intermediate Theory, Part 2 (3)

7C. Intermediate Theory, Part 3 (3)
Lecture—3 hours. Prerequisite: course 7B; course 17C concurrently. The music of the first thirty years of the twentieth century and various analytical tools pertaining to it. Works of Debussy, Stravinsky, Schoenberg, Berg, and others. Composition of small pieces for solo instruments, voice and piano. Intended for Music majors. GE credit: ArtHum | AH.—S. (S) Bauer, Pelo, Rohde, San Martin

10. Introduction to Musical Literature (4)
Lecture—3 hours; listening—1 hour. Introduction to composers and major styles of Western music. Lectures, listening sections, and selected readings. For non-majors. GE credit: ArtHum | Writ | AH, VL, WI, VC, WE.—F, W, S. (F, W, S) Hess, Holoman, Levy, Pelo

11. Musics of the World (4)
Lecture—3 hours; listening section—1 hour. Survey of selected art forms and musical cultures from different parts of the world. Emphasis on understanding relationship of musical style, aesthetic principles, and performance practice to wider cultural contexts. GE credit: ArtHum, Div | AH, VL, WI, VC.—W. (W, S) Lee, Spiller

16A. Elementary Musicianship, Part 1 (2)
Lecture/laboratory—2 hours. Prerequisite: course 2A and course 6A required concurrently. The melodic, harmonic, and materials of Western music. Includes sight singing, explanations, drills, melodic/rhythmic/harmonic dictations, and listening analysis. GE credit: ArtHum | AH.—F. (F) Triest

16B. Elementary Musicianship, Part 2 (2)
Lecture/laboratory—2 hours. Prerequisite: course 2B and course 6B required concurrently; completion of course 16B or demonstration of required proficiency level on diagnostic exam. The melodic, rhythmic, and harmonic materials of Western music. Includes sight singing, explanations, drills, melodic/rhythmic/harmonic dictations, and listening analysis. GE credit: ArtHum | AH.—F. (F) Triest

16C. Elementary Musicianship, Part 3 (2)
Lecture/laboratory—2 hours. Prerequisite: course 2C and course 6C required concurrently; completion of course 16B or demonstration of required proficiency level on diagnostic exam. The melodic, rhythmic, and harmonic materials of Western music. Includes sight singing, explanations, drills, melodic/rhythmic/harmonic dictations, and listening analysis. GE credit: ArtHum | AH.—F. (F) Croag

17A. Intermediate Musicianship, Part 1 (2)
Lecture/laboratory—2 hours. Prerequisite: course 7A concurrently; completion of course 16C or demonstrate required proficiency level on diagnostic exam. The melodic, rhythmic, and harmonic materials of Western music. Includes sight singing, explanations, drills, melodic/rhythmic/harmonic dictations, and listening analysis. GE credit: ArtHum | AH.—F. (F) Croag

17B. Intermediate Musicianship, Part 2 (2)
Lecture/laboratory—2 hours. Prerequisite: course 7B or 1008 required concurrently; completion of course 17A or demonstration of required proficiency level on diagnostic exam. The melodic, rhythmic, and harmonic materials of Western music. Includes sight singing, explanations, drills, melodic/rhythmic/harmonic dictations, and listening analysis. GE credit: ArtHum | AH.—S. (S) Croag

17C. Intermediate Musicianship, Part 3 (2)
Lecture/laboratory—2 hours. Prerequisite: course 7C concurrently; successful completion of course 17B or demonstrate required proficiency level on diagnostic exam. The melodic, rhythmic, and harmonic materials of Western music. Includes sight singing, explanations, drills, melodic/rhythmic/harmonic dictations, and listening analysis. GE credit: ArtHum | AH.—S. (S) Croag

24A. Introduction to the History of Music I (3)
Lecture—3 hours. Prerequisite: can be concurrent with course 6A or consent of instructor. History of music from the Baroque to Beethoven. Intended primarily for majors in music. GE credit: ArtHum, Writ | AH, VL, WI, VC.—F. (F) Berger

24B. Introduction to the History of Music II (3)
Lecture—3 hours. Prerequisite: completion of course 24A or consent of instructor. The history of music from the Romantic Period to the nineteenth century. Intended primarily for majors in music. GE credit: ArtHum, Writ | AH, VL, WI, VE.—W. (W) Berger

24C. Introduction to the History of Music III (3)
Lecture—3 hours. Prerequisite: completion of course 24B or consent of instructor. The history of music of the 20th century. Intended primarily for majors in music. GE credit: ArtHum, Writ | AH, VL, WE.—S. (S) Levy

25. Introduction to African American Music (4)
Lecture/discussion—3 hours; discussion—1 hour; listening; project. Survey of African American music, such as spirituals, blues, ragtime, jazz, theater, gospel, R&B, rap, and art music. Emphasis on historical and sociocultural contexts, as well as African roots. GE credit: ArtHum, Div | Writ | ACGH, AH, DD, VL, WI, VE.—S. (S) Levy
107A. Computer and Electronic Music (3) Lecture—3 hours; laboratory—1 hour. Prerequisite: consent of instructor. Limited enrollment. Study in electronic music and composition. The principles and procedures of composition in various electronic media are explored through compositional exercises. GE credit: ArtHum | AH. — W. (W.) Nichols

107B. Computer and Electronic Music (3) Lecture—3 hours; laboratory—1 hour. Prerequisite: completion of course 107A or consent of instructor. Limited enrollment. Completion of course 107A. Offered in alternate years. GE credit: ArtHum | AH. — S. (S.) Nichols

108A. Orchestration (2) Lecture—2 hours. Prerequisite: completion of course 6C or consent of instructor. Techniques of orchestration from study of basic instrumental techniques to analysis of orchestral scores and scoring for various instrumental combinations. GE credit: ArtHum | AH, VL. — W. (W.) Ortiz

108B. Orchestration (2) Lecture—2 hours. Prerequisite: completion of course 108A or consent of instructor. Techniques of orchestration from study of basic instrumental techniques to analysis of orchestral scores and scoring for various instrumental combinations. GE credit: ArtHum | AH, VL. — W. (W.) Ortiz

110A. The Music of a Major Composer: Beethoven (4) Lecture—3 hours; discussion—1 hour. Prerequisite: completion of course 10 or 3A or consent of instructor. The work of Beethoven will be studied in the context of his time and his contemporaries. Lectures, discussion, guided listening sections, and selected readings. For non-majors. Offered in alternate years. GE credit: ArtHum | AH, VL, WC, WE. — F. (F.)

110B. The Music of a Major Composer: Stravinsky (4) Lecture—3 hours; discussion—1 hour. Prerequisite: completion of course 10 or course 3A or consent of instructor. The work of Stravinsky will be studied in the context of his time and his contemporaries. Lectures, discussion, guided listening sections, and selected readings. For non-majors. GE credit: ArtHum, Wrt | AH, VL, WC, WE.

110C. The Music of a Major Composer: Bach (4) Lecture—3 hours; discussion—1 hour. Prerequisite: completion of course 10 or course 3A or consent of instructor. The work of Bach will be studied in the context of his time and his contemporaries. Lectures, discussion, guided listening sections, and selected readings. For non-majors. Offered in alternate years. GE credit: ArtHum, Wrt | AH, VL, WC, WE.

110D. The Music of a Major Composer: Mozart (4) Lecture—3 hours; discussion—1 hour. Prerequisite: completion of course 10 or course 3A or consent of instructor. The work of Mozart will be studied in the context of his time and his contemporaries. Lectures, discussion, guided listening sections, and selected readings. For non-majors. Offered in alternate years. GE credit: ArtHum, Wrt | AH, VL, WC, WE.

110E. The Music of a Major Composer: Haydn (4) Lecture—3 hours; discussion—1 hour. Prerequisite: completion of course 10 or course 3A or consent of instructor. The work of Haydn in the context of his time and his contemporaries. Lectures, discussion, guided listening sections, and selected readings. For non-majors. Offered in alternate years. GE credit: ArtHum, Wrt | AH, VL, WC, WE.

110F. American Masters (4) Lecture—3 hours; discussion—1 hour. Prerequisite: completion of course 10 or course 3A or consent of instructor. An introduction to American concert music by master composers from Charles Ives to the present. Lectures, discussion, guided listening sections, and selected readings. For non-majors. Offered in alternate years. GE credit: ArtHum | Wrt | ACGH, AH, DD, VL. — S. (S.) Levy

110G. Music of a Major Composer—Handel (4) Lecture—3 hours; discussion—1 hour. Prerequisite: completion of course 10 or course 3A or consent of instructor. Work of Handel in the context of his time and his contemporaries. Lectures, discussion/guided listening sections, and readings. For non-majors. Offered in alternate years. GE credit: ArtHum, Wrt | AH, VL, WC, WE. — Thomas

113. Introduction to Conducting (2) Lecture—1 hour; performance—1 hour. Prerequisite: completion of course 6C or consent of instructor. Principles and techniques of conducting. Intermediate conducting with a continued focus on principles and techniques as they apply to both choral and instrumental ensembles. GE credit: ArtHum | AH. — F. W. (F. W.) Baldini, Thomas

114. Intermediate Conducting (2) Lecture—1 hour; performance—1 hour. Prerequisite: completion of course 6C or consent of instructor. Intermediate conducting with a continued focus on principles and techniques as they apply to both choral and instrumental ensembles. GE credit: ArtHum | AH. — W. S. (W. S.) Baldini, Thomas

115. History of Film Music (4) Lecture—3 hours; film viewing—3 hours. Prerequisite: completion of course 10 or course 3A or consent of instructor. Film music from silent films to movies of the past decade. How music supports and shapes film narrative and structure. Use of jazz, rock and classical film music. Offered in alternate years. Offered irregularly. GE credit: ArtHum, Wrt | AH, VL, WC, WE.

116. Introduction to the Music of The Beatles (4) Lecture—3 hours; listening—1 hour. Prerequisite: completion of course 10 or course 3A or consent of instructor. Survey of the music and songwriting of the Beatles, focusing on the songs of Lennon and McCartney. Emphasis on understanding their evolution as musicians, composers and cultural figures. Discussion of their musical influences in wider cultural contexts. GE credit: AH, VL, WC. — S. (S.) Reynolds

121. Topics in Music Scholarship (4) Seminar—4 hours. Prerequisite: course 6C and course 24C, or consent of instructor. Sources and problems of a historical style selected by the instructor and announced in advance. May be repeated for credit. GE credit: ArtHum | AH, OL. — F. W. S. (F. W. S.)

122. Topics in Analysis and Theory (4) Seminar—4 hours. Prerequisite: course 6C and course 24C, or consent of instructor. Analysis of works of a composer or musical style by the instructor and announced in advance. Consideration of theoretical issues. GE credit: ArtHum | AH, OL. — F. W. S. (F. W. S.)

123. Music as Culture (3) Lecture/discussion—3 hours. Prerequisite: course 124B or consent of instructor. Introduction to the study of music in social/cultural contexts. GE credit: ArtHum | AH, VL, WC. — W. (W.) Lee, Spilker

124A. History of Western Music: Middle Ages to 1600 (3) Lecture—3 hours. Prerequisite: course 24C or consent of instructor. Historical survey of compositional and musical styles from the Middle Ages to the beginning of the 17th century. GE credit: ArtHum, Wrt | AH, VL, WE. — W. (W.) Berger, Owens

124B. History of Western Music: 1600-1750 (3) Lecture—3 hours. Prerequisite: course 124A or consent of instructor. Historical survey of composers and musical styles from the late 1500s to the mid-18th century. GE credit: ArtHum, Wrt | AH, VL, WE. — S. (S.) Berger, Owens

126. American Music (4) Lecture—3 hours; listening—1 hour. Prerequisite: completion of course 10 or course 3A or consent of instructor. Introductory survey of American musics, including Native American music, Hispanic polyphony, New England psalmody, and selected 20th-century composers and styles. Offered in alternate years. GE credit: ArtHum, Div, Wrt | ACGH, AH, DD, WE. — S. (S.) Hess, Levy

127. Music from Latin America (4) Lecture—3 hours; discussion—1 hour. Prerequisite: consent of instructor. Examination of music from Latin America. Characteristic music (i.e., tango, bossa nova, salsa, musicas motena, musica andina) as well as its implications in other musical genres. Taught in Spanish. Not open to students who have taken Spanish 171 and 171S. (Same course as Spanish 171) May be repeated one time for credit when topic differs. Offered in alternate years. GE credit: ArtHum | AH, W. — F. (F.) Hess, Irwin, Ortiz

129A. Musics of the Americas (4) Lecture—3 hours; discussion—1 hour. Prerequisite: course 10 or course 11 or course 3A or consent of instructor. Survey of music cultures from North, Central, and South America, including the Chicano, with emphasis on the role of music in society and on the elements of music (instruments, theory, genres and form, etc.). Introduction to ethnomusicological theory, methods, approaches. Offered in alternate years. GE credit: ArtHum, Div, Wrt | AH, DD, VL, WE.

129B. Musics of Africa, Middle East, Indian Subcontinent (4) Lecture—3 hours; discussion—1 hour. Prerequisite: course 10 or course 11 or course 3A or consent of instructor. Survey of music cultures with special emphasis on the role of music in society and on the elements of music (instruments, theory, genres and form, etc.). Introduction to ethnomusicological theory, methods, approaches. Offered irregularly. GE credit: ArtHum, Div, Wrt | AH, VL, WC, WE.

129C. Musics of East and Southeast Asia (4) Lecture—3 hours; discussion—1 hour. Prerequisite: course 10 or course 11 or course 3A or consent of instructor. Survey of music cultures from Japan, China, Korea, Vietnam, and Indonesia, with special emphasis on the role of music in society and on the elements of music (instruments, theory, genres and form, etc.). Introduction to ethnomusicological theory, methods, approaches. Offered irregularly. GE credit: ArtHum, Div, Wrt | AH, VL, WC, WE.

130A. Applied Study of Music: Advanced; Voice (1) Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Voice. Offered as demand indicates. May be repeated for credit. — F. W. S. (F. W. S.)

308. Applied Study of Music: Advanced; Piano (1) Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Piano. Offered as demand indicates. May be repeated for credit. — F. W. S. (F. W. S.)

130C. Applied Study of Music: Advanced; Harpsichord (1) Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Harpsichord. Offered as demand indicates. May be repeated for credit. — F. W. S. (F. W. S.)
130D. Applied Study of Music: Advanced; Organ (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Organ. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130E. Applied Study of Music: Advanced; Violin (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Violin. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130F. Applied Study of Music: Advanced; Cello (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Cello. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130G. Applied Study of Music: Advanced; Double Bass (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Double Bass. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130H. Applied Study of Music: Advanced; Oboe (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Oboe. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130I. Applied Study of Music: Advanced; Clarinet (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Clarinet. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130J. Applied Study of Music: Advanced; Bassoon (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Bassoon. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130K. Applied Study of Music: Advanced; French Horn (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; French Horn. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130L. Applied Study of Music: Advanced; Trumpet (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Trumpet. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130M. Applied Study of Music: Advanced; Trombone (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Trombone. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130N. Applied Study of Music: Advanced; Tuba (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Tuba. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130O. Applied Study of Music: Advanced; Harp (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Harp. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130P. Applied Study of Music: Advanced; Alto Saxophone (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Alto Saxophone. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130Q. Applied Study of Music: Advanced; Bass Clarinet (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Bass Clarinet. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130R. Applied Study of Music: Advanced; Oboe (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Oboe. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130S. Applied Study of Music: Advanced; French Horn (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; French Horn. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

130T. Applied Study of Music: Advanced; Trumpet (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section; Trumpet. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

131A. Applied Study of Music: Advanced; Classical (1)
Performance instruction—1 hour. Prerequisite: consent of instructor; admission by audition. Class instruction, arranged by section, Classical. Offered as demand indicates. May be repeated for credit.—F, W, S. [F, W, S.]

131B. Applied Study of Music: Advanced; Piano (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: course 1 or the equivalent; open to Music majors only; admission by audition and consent of instructor. Individual instruction in Voice. May be repeated for credit.—F, W, S. [F, W, S.]

131C. Applied Study of Music: Advanced; Harpsichord (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Piano. May be repeated for credit.—F, W, S. [F, W, S.]

131D. Applied Study of Music: Advanced; Organ (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Organ. May be repeated for credit.—F, W, S. [F, W, S.]

131E. Applied Study of Music: Advanced; Violin (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Violin. May be repeated for credit.—F, W, S. [F, W, S.]

131F. Applied Study of Music: Advanced; Viola (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: open to Music majors only; admission by audition and consent of instructor. Individual instruction in Viola. May be repeated for credit.—F, W, S. [F, W, S.]

131G. Applied Study of Music: Advanced; Cello (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Cello. May be repeated for credit.—F, W, S. [F, W, S.]

131H. Applied Study of Music: Advanced; Double Bass (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Double Bass. May be repeated for credit.—F, W, S. [F, W, S.]

131I. Applied Study of Music: Advanced; Viola (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Cello. May be repeated for credit.—F, W, S. [F, W, S.]

131J. Applied Study of Music: Advanced; Oboe (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Oboe. May be repeated for credit.—F, W, S. [F, W, S.]

131K. Applied Study of Music: Advanced; Clarinet (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Clarinet. May be repeated for credit.—F, W, S. [F, W, S.]

131L. Applied Study of Music: Advanced; Bassoon (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Bassoon. May be repeated for credit.—F, W, S. [F, W, S.]

131M. Applied Study of Music: Advanced; French Horn (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in French Horn. May be repeated for credit.—F, W, S. [F, W, S.]

131N. Applied Study of Music: Advanced; Trumpet (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Trumpet. May be repeated for credit.—F, W, S. [F, W, S.]

131O. Applied Study of Music: Advanced; Trombone (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Trombone. May be repeated for credit.—F, W, S. [F, W, S.]

131P. Applied Study of Music: Advanced; Tuba (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Tuba. May be repeated for credit.—F, W, S. [F, W, S.]

131Q. Applied Study of Music: Advanced; Percussion (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Percussion. May be repeated for credit.—F, W, S. [F, W, S.]

131R. Applied Study of Music: Advanced; Classical (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Classical. May be repeated for credit.—F, W, S. [F, W, S.]

Fall 2011 and on Revised General Education (GE): AH=Arts and Humanities; SE=Science and Engineering; SS=Social Sciences; ACGH=American Cultures; DD=Dominant Diversity; OL=Oral Skills; DL=Quantitative; SL=Scientific; VL=Visual; WC=World Cultures; WE=Writing Experience
131U. Applied Study of Music: Advanced (Individual); Saxophone (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor. Open to Music majors only; admission by audition. May be repeated for credit.—F, W, S. (F, W, S)
131V. Applied Study of Music: Advanced (Individual); Clarinet (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Clarinet. May be repeated for credit.—F, W, S. (F, W, S)
131W. Applied Study of Music: Advanced (Individual); Double Bass (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Double Bass. May be repeated for credit.—F, W, S. (F, W, S)
131X. Applied Study of Music: Advanced (Individual); Flute (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Flute. May be repeated for credit.—F, W, S. (F, W, S)
131Y. Applied Study of Music: Advanced (Individual); Oboe (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Oboe. May be repeated for credit.—F, W, S. (F, W, S)
131Z. Applied Study of Music: Advanced (Individual); Piano (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Piano. May be repeated for credit.—F, W, S. (F, W, S)
132A. Applied Study of Music: Advanced (Individual); Trumpet (2)
Performance instruction—0.5 hour; independent practice—5 hours. Prerequisite: consent of instructor; admission by audition. Individual instruction in Trumpet. May be repeated for credit.—F, W, S. (F, W, S)
141. University Symphony (2)
Rehearsal—3 hours. Prerequisite: admission subject to audition before first class meeting. Open to any student in the University whose proficiency meets the requirements of concert performance. Rehearsal and performance of Medieval, Renaissance, and Baroque music for vocal ensemble and historical instruments. May be repeated for credit. (P/NP grading only.) GE credit: AH.—F, W, S. (F, W, S)
142. University Chamber Singers (2)
Rehearsal—3 hours. Prerequisite: admission subject to audition before first class meeting. Open to any student in the University whose proficiency meets the requirements of concert performance. Rehearsal and performance of works for small choral group. May be repeated for credit. (P/NP grading only.) GE credit: AH.—F, W, S. (F, W, S)
143. University Concert Band (2)
Rehearsal—4 hours. Prerequisite: admission subject to audition before first class meeting. Open to any student in the University whose proficiency meets the requirements of concert performance. Rehearsal and performance of music for band. May be repeated for credit. (P/NP grading only.) GE credit: AH.—F, W, S. (F, W, S)
144. University Chorus (2)
Rehearsal—4 hours. Prerequisite: admission subject to audition before first class meeting. Open to any student in the University. Rehearsal and performance of choral music. May be repeated for credit. (P/NP grading only.) GE credit: AH.—F, W, S. (F, W, S)
145. Early Music Ensemble (2)
Rehearsal—4 hours. Prerequisite: consent of instructor; admission by audition. Rehearsal and performance of Medieval, Renaissance, and Baroque music for vocal ensemble and historical instruments. May be repeated for credit. (P/NP grading only.) GE credit: AH.—F, W, S. (F, W, S)
146. Chamber Music Ensemble (1)
Rehearsal—2 hours; student practice—1 hour. Prerequisite: admission subject to audition before first class meeting. Open to any student in the University whose proficiency meets the requirements of concert performance. Study, rehearsal, and performance of ensemble music for strings, winds, voice, piano, harpsichord, and organ. May be repeated for credit. (P/NP grading only.) GE credit: AH.—F, W, S. (F, W, S)
147. University Wind Ensemble (2)
Rehearsal—4 hours. Prerequisite: consent of instructor. Rehearsal, study, and performance of a full variety of wind ensemble music; and to have students share their work in public performances. May be repeated for credit. (P/NP grading only.) GE credit: AH.—F, W, S. (F, W, S)
148. Hindustani Vocal Ensemble (2)
Rehearsal—2 hours. Prerequisite: consent of instructor. Basics of Hindustani music through theory and practice. Fundamentals of ragas (mode) and tala (rhythm) with special emphasis on improvisation, a central feature of khyal (singing style). Five ragas each quarter. May be repeated up to six times for credit. (P/NP grading only.) GE credit: AH.—W, S. (W, S)
149. Indonesian Gamelan Ensemble (2)
Rehearsal—2 hours. Prerequisite: consent of instructor. Indonesian music practice. Basic instrumental technique and repertory. Focus on two styles of Sunan-danar gamelan (futuh and saron) and two styles of Sundanese gamelan. May be repeated up to six times for credit. (P/NP grading only.) GE credit: AH.—F, W, S. (F, W, S)
151. Korean Percussion Ensemble (2)
Rehearsal—2 hours; listening/rehearsal/practice—2 hours. Prerequisite: consent of instructor. Class size limited to 20 students. Practice of Korean percussion styles. Basic instrumental technique and repertory. Focus on the percussion traditions of samulnori and basic concepts of p’ungmul. (P/NP grading only) May be repeated six times for credit. GE credit: AH.—F, W, S. (F, W, S)
192. Internship in Music (1-4)
Internship—3-12 hours. Prerequisite: consent of instructor or academic advisor. Student must submit a written proposal to an appropriate Music Department instructor. Internship outside the university related to music. May be repeated up to eight units of credit. (P/NP grading only.) GE credit: AH.—F, W, S. (F, W, S)
194. Special Study for Honors Students (2-4)
Independent study—6-12 hours. Prerequisite: courses 7C and 122. Open only to students who qualify for the honors program and admission to music Senior Honors Program. Preparation and presentation of a culminating project under the supervision of an instructor, in one of the creative or scholarly areas of music. (Deferred grading only, pending completion of sequence.) GE credit: AH.—F, W, S. (F, W, S)
194HB. Special Study for Honors Students (2-4) Independent study—6-12 hours. Prerequisite: completion of course 194HA; consent of instructor. Open only to students who qualify for honors program and admission to Music Senior Honors Program. Preparation of a culminating project; under the supervision of an instructor, in one of the creative or scholarly areas of music. (Deferred grading only, pending completion of sequence.) GE credit: AH—F, W, S. (F, W, S.)

195. Senior Project (2) Project—6 hours. Prerequisite: completion of course 7C and 123; consent of instructor. Preparation of a senior project in music composition (public presentation of a new work), in music performance (a public recital or solo performance), or in theory (public presentation of research results). GE credit: AH—F, W, S. (F, W, S.)

198. Directed Group Study (1-5) Prerequisite: consent of instructor. Open to graduate students in music; advanced undergraduates with consent of instructor. Preparatory work for students preparing for comprehensive examinations. GE credit: AH—F, W, S. (F, W, S.)

199. Special Study for Advanced Undergraduates (1-5) (P/NP grading only) GE credit: AH—F, W, S. (F, W, S.)