

# Music

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The Department of Music at Berkeley is one of the oldest and most prominent in the country, bringing together a renowned group of composers, scholars, and performers. The graduate program is ranked among the top in the nation. The department offers the MA/PhD and the PhD degrees (for those who have previously completed the master's degree) in composition and scholarship, the latter with options in musicology and in ethnomusicology. The Music Department does not offer a terminal MA degree. The program provides graduate students with a solid mastery of their discipline while cultivating a sense of intellectual and creative independence. Students are free to explore related fields of study both within the music program itself and in the larger university. Graduates of the Music Department play prominent roles in distinguished musical institutions across the nation and abroad.

Students are supported by both fellowships and teaching opportunities. A typical funding package consists of tuition plus an income of at least \$30,000 per year guaranteed for five years (MA/PhD) or four years (PhD), as well as funding for one summer. Additional support for summers and research travel is available by application.

## Concentration Areas

### Composition

Students in composition (<http://music.berkeley.edu/academic-programs/graduate-studies/graduate-studies-in-music-composition/>) are encouraged to create music that is personal both in style and content while building a firm technical foundation. Composition is taught through seminars and independent studies by all composers on the faculty. Opportunities exist for public performances of student compositions, including chamber, vocal, and orchestral works. Facilities are available for work in electronic and computer music.

### Ethnomusicology

Students in ethnomusicology (<http://music.berkeley.edu/academic-programs/graduate-studies/graduate-studies-in-ethnomusicology/>) prepare for ethnographic research, through the study of cultural theory and methodology from various disciplines. Each student's program is individually designed in consultation with an adviser, including opportunities for drawing on Berkeley's considerable resources in related disciplines and area studies.

### Musicology

Students in the musicology (<https://music.berkeley.edu/graduate-studies-in-musicology/>) program gain skills for historical research while developing a sense of critical inquiry and intellectual independence. The MA program introduces students to musicological methods and techniques and at the same time seeks to broaden their horizons through a variety of courses, including analysis and ethnomusicology. The PhD involves more detailed work in research seminars and special studies. Dissertation topics at Berkeley have run the gamut of scholarly approaches and subjects, from source studies to theoretical or critical works, and from early medieval chant to the music of the present day.

## The Master of Arts Degree

The period of study in all areas of specialization is from three to (more typically) four semesters ending with the MA comprehensive examination.

The general course requirement for the MA is 24 units, at least 12 of which must be in the graduate series in music.

## The Doctor of Philosophy Degree

Since the PhD degree is awarded for original, creative achievement, not for the mere completion of a course of study, course and unit requirements are not rigidly prescribed. There is an academic residence requirement of two years. The amount of time needed to complete the PhD varies considerably from one student to another, but students are encouraged to proceed as fast as they can and as the nature of their doctoral project allows. It is expected that the typical student (having obtained an MA degree) will have pursued sufficient course work, fulfilled all the supplementary requirements, and taken the qualifying examination, advanced to candidacy, and completed a prospectus for the doctoral project by the end of two years. After this time the only requirement is that the student satisfactorily completes the doctoral project.

## Admission to the University

### Minimum Requirements for Admission

The following minimum requirements apply to all graduate programs and will be verified by the Graduate Division:

1. A bachelor's degree or recognized equivalent from an accredited institution;
2. A grade point average of B or better (3.0);
3. If the applicant has completed a basic degree from a country or political entity (e.g., Quebec) where English is not the official language, adequate proficiency in English to do graduate work, as evidenced by a TOEFL score of at least 90 on the iBT test, 570 on the paper-and-pencil test, or an IELTS Band score of at least 7 on a 9-point scale (note that individual programs may set higher levels for any of these); and
4. Sufficient undergraduate training to do graduate work in the given field.

## Applicants Who Already Hold a Graduate Degree

The Graduate Council views academic degrees not as vocational training certificates, but as evidence of broad training in research methods, independent study, and articulation of learning. Therefore, applicants who already have academic graduate degrees should be able to pursue new subject matter at an advanced level without the need to enroll in a related or similar graduate program.

Programs may consider students for an additional academic master's or professional master's degree only if the additional degree is in a distinctly different field.

Applicants admitted to a doctoral program that requires a master's degree to be earned at Berkeley as a prerequisite (even though the applicant already has a master's degree from another institution in the same or a closely allied field of study) will be permitted to undertake the second master's degree, despite the overlap in field.

The Graduate Division will admit students for a second doctoral degree only if they meet the following guidelines:

1. Applicants with doctoral degrees may be admitted for an additional doctoral degree only if that degree program is in a general area of knowledge distinctly different from the field in which they earned their original degree. For example, a physics PhD could be admitted to a

doctoral degree program in music or history; however, a student with a doctoral degree in mathematics would not be permitted to add a PhD in statistics.

2. Applicants who hold the PhD degree may be admitted to a professional doctorate or professional master's degree program if there is no duplication of training involved.

Applicants may apply only to one single degree program or one concurrent degree program per admission cycle.

## Required Documents for Applications

1. **Transcripts:** Applicants may upload *unofficial* transcripts with your application for the departmental initial review. Unofficial transcripts must contain specific information including the name of the applicant, name of the school, all courses, grades, units, & degree conferral (if applicable).
2. **Letters of recommendation:** Applicants may request online letters of recommendation through the online application system. Hard copies of recommendation letters must be sent directly to the program, by the recommender, not the Graduate Admissions.
3. **Evidence of English language proficiency:** All applicants who have completed a basic degree from a country or political entity in which the official language is not English are required to submit official evidence of English language proficiency. This applies to institutions from Bangladesh, Burma, Nepal, India, Pakistan, Latin America, the Middle East, the People's Republic of China, Taiwan, Japan, Korea, Southeast Asia, most European countries, and Quebec (Canada). However, applicants who, at the time of application, have already completed at least one year of full-time academic course work with grades of B or better at a US university may submit an official transcript from the US university to fulfill this requirement. The following courses will not fulfill this requirement:
  - courses in English as a Second Language,
  - courses conducted in a language other than English,
  - courses that will be completed after the application is submitted, and
  - courses of a non-academic nature.

Applicants who have previously applied to Berkeley must also submit new test scores that meet the current minimum requirement from one of the standardized tests. Official TOEFL score reports must be sent directly from Educational Test Services (ETS). The institution code for Berkeley is 4833 for Graduate Organizations. Official IELTS score reports must be sent electronically from the testing center to University of California, Berkeley, Graduate Division, Sproul Hall, Rm 318 MC 5900, Berkeley, CA 94720. TOEFL and IELTS score reports are only valid for two years prior to beginning the graduate program at UC Berkeley. Note: score reports can not expire before the month of June.

## Where to Apply

Visit the Berkeley Graduate Division application page (<http://grad.berkeley.edu/admissions/apply/>).

## Admission to the Program

Applicants for the combined MA/PhD or PhD programs are required to specify the concentration they wish to apply: Composition,

Ethnomusicology, or Musicology. Applicants are encouraged to name at least two faculty with whom they wish to work as part of their application.

All applicants are required to submit supplemental materials as part of their application to our program. Applicants in Ethnomusicology or Musicology will submit examples of scholarship, and Composition applicants will submit scores and recordings of their compositions as part of their respective applications.

## Normative Time Requirements

### Normative Time to Advancement

Normative to advancement for all concentrations is eight semesters.

### Normative Time in Candidacy

Normative time in candidacy for the Composition and Musicology concentrations is four semesters. Normative time in candidacy for the Ethnomusicology concentration is six semesters.

### Total Normative Time

Total normative time for the Composition and Musicology concentrations is twelve semesters. Total normative time for the Ethnomusicology concentration is fourteen semesters.

## Time to Advancement

### Curriculum

#### Composition Concentration

Students are generally expected to take a minimum of two graduate-level seminars in the department per semester until the MA degree has been completed (end of fourth semester).

MUSIC 157B	Orchestration	3
MUSIC 156	Studies in Musical Analysis	3
MUSIC 201A	Proseminar in Computer Music	4
MUSIC 203	Seminar in Composition (must be taken every semester until student passes the MA exam)	4
MUSIC 290	Colloquium (must be taken every semester until the student passes the PhD QE)	1
MUSIC 300	Professional Preparation for Teaching Assistants in Music	2-4

#### Ethnomusicology Concentration

Students are expected to take a minimum of one graduate-level seminar in the department each semester until the MA degree has been completed. In addition, they are expected to attend events in the colloquium series and to participate actively in the discussion.

MUSIC 200B	Introduction to Music Scholarship II	4
MUSIC 200C	Introduction to Music Scholarship III	4
MUSIC 243	Transcription and Analysis in Ethnomusicology	4
MUSIC 244A	Tools of Ethnomusicological Research	4

Two courses from the MUSIC 130 series

One elective course in the student's area of specialization

#### MUSICOLOGY Concentration

Although courses in musicology at the graduate level will constitute the core of any program of study at the MA level, students may supplement those courses with a graduate course in another department that might be relevant to eventual dissertation work, with language courses

(graduate or undergraduate), or with undergraduate courses in music that help to meet the proficiencies required for the entrance exam's various subjects (harmony, counterpoint, sight singing, score reading, and dictation). In general, courses at the graduate level are more appropriate for music graduate students to enroll in than undergraduate courses. It is expected that students take a minimum of two seminars in the department each semester until the MA is completed. Students should take courses with as many professors in the Musicology program as possible. Students are also expected to attend the events in the colloquium series regularly, and to participate as respondents to papers and ask questions.

MUSIC 200B Introduction to Music Scholarship II 4

MUSIC 200C Introduction to Music Scholarship III 4

Workshop series in research methods (Fall semester of first year)

Research seminars:

Students entering at MA level: At least five courses numbered between MUSIC 210-220, before entering PhD program

Students entering at PhD level: Four courses numbered between MUSIC 210-220

## Music

Expand all course descriptions [+] Collapse all course descriptions [-]

### MUSIC 200B Introduction to Music Scholarship II 4 Units

Terms offered: Fall 2022, Fall 2021, Fall 2020

Principles and methods of scholarly research in Western art music, especially history and criticism of music; use of documents, and design of projects. Presentation of results in written and oral forms.

Introduction to Music Scholarship II: Read More [+]

#### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

#### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Introduction to Music Scholarship II: Read Less [-]

### MUSIC 200C Introduction to Music Scholarship III 4 Units

Terms offered: Spring 2023, Spring 2021, Fall 2019

Introduction to issues and methods in ethnomusicology, from the perspectives of both the social sciences and music. Presentation of results in written and oral forms.

Introduction to Music Scholarship III: Read More [+]

#### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

#### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Introduction to Music Scholarship III: Read Less [-]

### MUSIC 201A Proseminar in Computer Music 4 Units

Terms offered: Fall 2020, Fall 2019, Fall 2018

Overview of the field of computer music and its application to music composition. Practices, procedures, and aesthetics related to the application of newer technologies to music composition will be covered in tandem with contemporary research topics in computer music. Recent computer music repertoire with its related technologies will be examined. Students in this proseminar must have advanced musical training and knowledge of the history and repertoire of electro-acoustic music.

Proseminar in Computer Music: Read More [+]

#### Rules & Requirements

**Prerequisites:** Consent of instructor

#### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 4 hours of laboratory per week

#### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

**Instructor:** Campion

Proseminar in Computer Music: Read Less [-]

### MUSIC 202 Seminar in Contemporary Music 4 Units

Terms offered: Fall 2019, Spring 2019, Spring 2016

Studies in 20th-century music.

Seminar in Contemporary Music: Read More [+]

#### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

#### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

#### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Seminar in Contemporary Music: Read Less [-]

## MUSIC 203 Seminar in Composition 4 Units

Terms offered: Spring 2023, Fall 2022, Spring 2022

A study of relevant problems and compositional techniques of contemporary music. Original compositions required of students. Group discussion and criticism.

Seminar in Composition: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** Limited to advanced students of composition

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Seminar in Composition: [Read Less](#) [-]

## MUSIC 204 Studies in Musical Analysis 4 Units

Terms offered: Spring 2022, Spring 2020, Spring 2018

The application of analytical principles to a group of compositions and the intensive study of at least one major work.

Studies in Musical Analysis: [Read More](#) [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Studies in Musical Analysis: [Read Less](#) [-]

## MUSIC 207 Advanced Projects in Computer Music 4 Units

Terms offered: Fall 2022, Fall 2021, Fall 2020

Designed for graduate students in music composition, but open to graduate students in related disciplines who can demonstrate thorough knowledge of the history of electro-acoustic music as well as significant experience with computer music practice and research. All projects are subject to approval of the instructor.

Advanced Projects in Computer Music: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** Consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

**Instructor:** Campion

Advanced Projects in Computer Music: [Read Less](#) [-]

## MUSIC 208A Advanced Music Perception and Cognition 4 Units

Terms offered: Fall 2022, Fall 2021, Fall 2020

Experimental studies in Music Perception and Cognition. Research projects required.

Advanced Music Perception and Cognition: [Read More](#) [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Advanced Music Perception and Cognition: [Read Less](#) [-]

## MUSIC 208B Music in Mind 4 Units

Terms offered: Spring 2017, Spring 2012, Spring 2010

Research seminar dealing with "what goes on in your mind" when you make music. Topics include conceptualization, processes of learning, retention, and recall. In the context of interaction among musicians, variation and other forms of alteration (from relatively free improvisation to formulaic recomposition) with varying degrees of intentionality manifested in performances will be considered. Perception is implicated, but not a central issue.

Music in Mind: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

**Instructor:** Brinner

Music in Mind: Read Less [-]

## MUSIC 209 Advanced Topics in Computer Music 4 Units

Terms offered: Spring 2013, Spring 2012, Spring 2011

Technical and musical issues in the design and development of computer-based music systems including digital signal processing for the analysis and synthesis of sound, scheduling of multiple musical control processes, perceptual and cognitive models, user-interface design, reactive real-time control, and the analysis and representation of musical structure.

Advanced Topics in Computer Music: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Advanced Topics in Computer Music: Read Less [-]

## MUSIC 210 Graduate Seminar: Composers and Improvisers Workshop 4 Units

Terms offered: Spring 2023, Spring 2019, Spring 2017

This course will provide a weekly forum for the exploration of strategies for composing for improvisers and improvising for composers, culminating in the presentation of new work. A number of approaches including gaming strategies, graphic and alternative notation systems, conduction, and other topics of interest to the students will be explored through performance, listening, analysis, and discussion.

Graduate Seminar: Composers and Improvisers Workshop: Read More

[+]

### Rules & Requirements

**Prerequisites:** Admission by instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of workshop per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

**Instructor:** Melford

Graduate Seminar: Composers and Improvisers Workshop: Read Less [-]

## MUSIC 220 Topics in Music History and Criticism 4 Units

Terms offered: Spring 2023, Fall 2022, Spring 2022

A specialized course in musical criticism. The topic will change each time the course is offered.

Topics in Music History and Criticism: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Topics in Music History and Criticism: Read Less [-]



## MUSIC 228 Professional Development Colloquium 4 Units

Terms offered: Fall 2019, Fall 2018

This course provides direction to graduate students in the latter phase of their PhD degrees. It is devised to provide productive structure to the dissertation writing process, and to help students write and learn skills important to their professional development. Students will have the opportunity to work through their dissertation ideas and present their work orally in a supportive academic environment.

Professional Development Colloquium: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of colloquium per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

**Instructor:** Davies

Professional Development Colloquium: Read Less [-]

## MUSIC 230 Topics in Performance Studies 4 Units

Terms offered: Spring 2017, Spring 2014

Critical survey of performance theory as it relates to music. Readings combine key foundational texts with current scholarly works from disciplines including ethnomusicology, musicology, performance studies, anthropology, and cultural studies.

Topics in Performance Studies: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit when topic changes.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

**Instructor:** Roberts

Topics in Performance Studies: Read Less [-]

## MUSIC 243 Transcription and Analysis in Ethnomusicology 4 Units

Terms offered: Fall 2019, Fall 2015, Spring 2014

Methods and practice of transcription applied to selected musical practices in relation to specific analytical goals. Coursework includes use of software for sound analysis and notation.

Transcription and Analysis in Ethnomusicology: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

**Formerly known as:** 234

Transcription and Analysis in Ethnomusicology: Read Less [-]

## MUSIC 244A Tools of Ethnomusicological Research 4 Units

Terms offered: Spring 2021, Fall 2018, Fall 2016

Collection and organization of research data. Introduction to audio and video recording, photography, database design, interviewing, and writing fieldnotes.

Tools of Ethnomusicological Research: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Tools of Ethnomusicological Research: Read Less [-]

## MUSIC 244B Research Design for Ethnomusicologists 4 Units

Terms offered: Spring 2022, Spring 2021, Fall 2019

Instruction in designing a doctoral research project, writing a dissertation prospectus, and formulating a grant proposal. Focus also on issues such as representation and ethics. Students will normally take this course one semester prior to presenting the prospectus for their doctoral dissertation.

Research Design for Ethnomusicologists: Read More [+]

### Rules & Requirements

**Prerequisites:** 244A or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Research Design for Ethnomusicologists: Read Less [-]

## MUSIC 245 Music, Sexuality, and Gender 4 Units

Terms offered: Spring 2020, Fall 2000, Fall 1997

This course introduces ethno/musicological approaches to the study of sexuality and gender. We will study scholarly works that consider how music informs and reflects cultural constructions of femininity, masculinity, and non-binary genders, and consider questions of sexuality within and apart from these frameworks. Taking wide-ranging examples that include popular music, folk and indigenous musics, and European art music, we will investigate how gendered and sexualized subjectivities are negotiated through musical practices such as composition, performance, audition, and consumption. Class readings will include ethnomusicological, musicological, anthropological, feminist, Marxist, and queer theory approaches.

Music, Sexuality, and Gender: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Music, Sexuality, and Gender: Read Less [-]

## MUSIC 246 Theory and Method in Popular Music Studies 4 Units

Terms offered: Spring 2020, Spring 2016, Fall 2012

Critical survey of the major issues raised and methodologies used in the study of popular music. Selected readings from a wide range of disciplines, including sociology, anthropology, musicology, ethnomusicology, communication, history, political science, economics, and music journalism.

Theory and Method in Popular Music Studies: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Theory and Method in Popular Music Studies: Read Less [-]

## MUSIC 247 Topics in Ethnomusicology 4 Units

Terms offered: Spring 2022, Fall 2021, Spring 2021

A highly specialized course in ethnomusicology. The topic will change each time the course is offered.

Topics in Ethnomusicology: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

**Formerly known as:** 232

Topics in Ethnomusicology: Read Less [-]

## MUSIC 249 Interpretive Theories and Music 4 Units

Terms offered: Fall 2022, Spring 2019, Fall 2013

Readings on interpretive theories dealing with issues such as aesthetics, identity formation, and politics of representation, from the multiple disciplines informing the study of music. The selection of theoretical writings will change each time the course is offered.

Interpretive Theories and Music: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Interpretive Theories and Music: Read Less [-]

## MUSIC 250A Advanced Ethnomusicological Studies 2 - 4 Units

Terms offered: Spring 2021, Fall 2020, Spring 2016

Forum for advanced work in students' areas of specialization, with particular emphasis on addressing the integration of musical analysis with theoretical issues. Students set specific goals with faculty and meet as needed individually and as a group.

Advanced Ethnomusicological Studies: [Read More](#) [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 2-4 hours of seminar per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Advanced Ethnomusicological Studies: [Read Less](#) [-]

## MUSIC 258A Sound and Music Computing with CNMAT Technologies 4 Units

Terms offered: Fall 2022, Fall 2021, Fall 2018

Explores the intersection of music and computers using a combination of scientific, technological, and artistic methodologies. Musical concerns within a computational frame are addressed through the acquisition of basic programming skills for the creation and control of digital sound. Will learn core concepts and techniques of computer-based music composition using the Cycling74/MaxMSP programming environment in combination with associated software tools and programming approaches created by the Center for New Music and Audio Technologies. Included will be exposure to the essentials of digital audio signal processing, musical acoustics and psychoacoustics, sound analysis and synthesis. The course is hands-on & taught from the computer lab.

Sound and Music Computing with CNMAT Technologies: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** Limited to graduate students in Music

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

**Summer:** 6 weeks - 7.5 hours of lecture per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Sound and Music Computing with CNMAT Technologies: [Read Less](#) [-]

## MUSIC 258B Situated Instrument Design for Musical Expression 4 Units

Terms offered: Spring 2023, Spring 2019, Spring 2018

The practice and theory of contextual instrument design for use in musical expression is explored. Students create new instruments and performance environments using a variety of physical interaction paradigms, programming practices, and musical processes emerging from the UC Berkeley Center for New Music and Audio Technologies (CNMAT). Building on the methodologies established in Music 258A, the course develops aesthetic, analytic and technical skills through discussion, empirical study, and collaborative engagement. With a balance of artistic and technical concerns, participants deepen understanding of the creative process, demonstrating the results through class installation and public performance.

Situated Instrument Design for Musical Expression: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** Music 258A or consent of instructor; limited to graduate students in Music

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 3 hours of laboratory per week

**Summer:** 6 weeks - 7.5 hours of lecture and 7.5 hours of laboratory per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Situated Instrument Design for Musical Expression: [Read Less](#) [-]

## MUSIC 290 Colloquium 1 Unit

Terms offered: Spring 2023, Fall 2022, Spring 2022

Meetings for the presentation of original work by faculty, visiting lecturers, and advanced graduate students. Assigned readings. In rotation members of the class will be appointed as respondents for the papers. Colloquium: [Read More](#) [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 0 hours of colloquium per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Offered for satisfactory/unsatisfactory grade only.

Colloquium: [Read Less](#) [-]



## MUSIC 296 Directed Dissertation Research - Music 1 - 12 Units

Terms offered: Spring 2017, Spring 2016, Fall 2015

Open to qualified students who have been advanced to candidacy for the Ph.D. and are directly engaged upon the doctoral dissertation.

Directed Dissertation Research - Music: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-12 hours of independent study per week

### Summer:

6 weeks - 2.5-20 hours of independent study per week

8 weeks - 1.5-15 hours of independent study per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Offered for satisfactory/unsatisfactory grade only.

Directed Dissertation Research - Music: Read Less [-]

## MUSIC 298 Group Special Studies 1 - 8 Units

Terms offered: Spring 2023, Fall 2022, Spring 2022

Open to qualified students for research or creative work on a particular topic. Not to serve in lieu of regular courses of instruction.

Group Special Studies: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-8 hours of independent study per week

**Summer:** 8 weeks - 1-8 hours of independent study per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Group Special Studies: Read Less [-]

## MUSIC 299 Special Study 1 - 12 Units

Terms offered: Spring 2023, Fall 2022, Spring 2022

Open to properly qualified graduate students for research or creative work, including work on the doctoral dissertation. Such work shall not serve in lieu of regular courses of instruction.

Special Study: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-12 hours of independent study per week

**Summer:** 8 weeks - 1.5-22.5 hours of independent study per week

### Additional Details

**Subject/Course Level:** Music/Graduate

**Grading:** Letter grade.

Special Study: Read Less [-]

## MUSIC 300 Professional Preparation for Teaching Assistants in Music 2 Units

Terms offered: Fall 2022, Spring 2021, Spring 2020

Special study under the direction of a staff member with emphasis on the teaching of undergraduate courses in music.

Professional Preparation for Teaching Assistants in Music: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 0 hours of independent study per week

### Additional Details

**Subject/Course Level:** Music/Professional course for teachers or prospective teachers

**Grading:** Offered for satisfactory/unsatisfactory grade only.

Professional Preparation for Teaching Assistants in Music: Read Less [-]

## **MUSIC 601 Individual Study for Master's Students 1 - 8 Units**

Terms offered: Spring 2023, Spring 2022, Spring 2021

Preparation for the comprehensive or language requirements in consultation with the field adviser.

Individual Study for Master's Students: [Read More \[+\]](#)

### **Rules & Requirements**

**Prerequisites:** For candidates for master's degree

**Credit Restrictions:** Course does not satisfy unit or residence requirements for master's degree.

**Repeat rules:** Course may be repeated for credit without restriction.

### **Hours & Format**

**Fall and/or spring:** 15 weeks - 0 hours of independent study per week

### **Additional Details**

**Subject/Course Level:** Music/Graduate examination preparation

**Grading:** Offered for satisfactory/unsatisfactory grade only.

Individual Study for Master's Students: [Read Less \[-\]](#)

## **MUSIC 602 Individual Study for Doctoral Students 1 - 8 Units**

Terms offered: Spring 2023, Fall 2022, Spring 2022

Study in consultation with the major field adviser, intended to provide an opportunity for qualified students to prepare themselves for the various examinations required of candidates for the Ph.D.

Individual Study for Doctoral Students: [Read More \[+\]](#)

### **Rules & Requirements**

**Prerequisites:** For candidates for doctoral degree

**Credit Restrictions:** Course does not satisfy unit or residence requirements for doctoral degree.

**Repeat rules:** Course may be repeated for credit without restriction.

### **Hours & Format**

**Fall and/or spring:** 15 weeks - 0 hours of independent study per week

### **Additional Details**

**Subject/Course Level:** Music/Graduate examination preparation

**Grading:** Offered for satisfactory/unsatisfactory grade only.

Individual Study for Doctoral Students: [Read Less \[-\]](#)