

# Part-time Lecturer, Music Recording & Production

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## Tufts University: Mechanical Engineering

Location	Open Date	Deadline
Medford MA	May 7, 2018	Jun 30, 2018 at 11:59 PM Eastern

### Description

Tufts University's program in Music Engineering is looking for a part-time lecturer to teach an undergraduate course, Music Recording & Production, in the Fall semester of 2018. The course covers the theory and practice of audio recording, editing, processing, and mixing. It meets in the computer lab in Granoff Music Center on the Medford campus, which is equipped with 13 iMacs, Focusrite interfaces, ProTools, JBL monitors, and plug-ins from iZotope, Eventide, and Melodyne.

The course meets in two sections, one a subset of the other, with a combined enrollment of no more than 16. All of the students in both sections are required to have a musical background, as players, songwriters, and/or composers.

The larger section—Music 62—is open to engineering and liberal arts majors, and covers basic theory, techniques, tools, etc., with lots of hands-on recording, editing, and mixing work. This course is taught by Dr. Paul Lehrman.

The smaller section—Engineering Science 65—is only open to students with engineering backgrounds, and will deal with advanced theory and equipment design in acoustics, psychoacoustics, and analog and digital signal processing. The successful candidate will teach this course.

The students will produce four or five recording projects over the semester, and will work in teams, which will be constituted by the instructors so as to comprise complementary skill sets. The students will record in various spaces around the music building, using ProTools and an assortment of Shure, Røde, Sennheiser, AKG, and Audio-Technica microphones; and a dedicated cart with a MOTU Stage B16 mixer/interface.

A week-by-week plan for the course is here:

<http://www.tufts.edu/programs/mma/mrap/MRAP2018outline.pdf>. The third column contains the subject matter that is covered in the Engineering section.

The time commitment is:

- Two class periods every Thursday, 3:00-4:15 and 6:00-7:15 pm, from September 6 through December 6 (except Thanksgiving), with appropriate preparation and setup time.

- Project evaluation sessions December 11 and 13.
- Meetings over the summer with Dr. Lehrman to fine-tune the syllabus.
- Possibly one or two Tuesday classes (3:00-4:15)

### **Qualifications**

Applicants should have:

- Significant professional experience in audio engineering for music, including recording, broadcast, multimedia, and/or live sound.
- Advanced knowledge of analog and digital principles and design, including mathematics, physics, and electronics, as they apply to audio recording, mixing, and processing.
- Classroom teaching experience, preferably at the college level, and demonstrated ability to deal with very smart, engaged students.
- Experience providing criticism and guidance for students' projects in technical, musical, and aesthetic terms.
- Access to instructional materials that can be used by students for exercises, including multitrack recordings (especially rough and problematic tracks), surround mixes, live concert recordings, film soundtracks, etc. (Since we work in an academic setting, copyright issues are not a concern.)

The appointment is for one semester, with a possibility of continuing in subsequent academic years. The salary is the standard for a single-course part-time lecturer in the School of Engineering. Review of applications begins immediately, and will continue until the position is filled.

### **Application Instructions**

Applicants should submit a resume, a letter of intent, a teaching statement, and past teaching evaluations (if available). Please arrange for at least two confidential letters of recommendation to be submitted as well. All application materials should be submitted via Interfolio at <http://apply.interfolio.com/50596>. Questions about the position may be directed to Dr. Paul D. Lehrman, Director, Music Engineering, Department of Music at [paul.lehrman@tufts.edu](mailto:paul.lehrman@tufts.edu).

### **Equal Employment Opportunity Statement**

*Tufts University, founded in 1852, prioritizes quality teaching, highly competitive basic and applied research and a commitment to active citizenship locally, regionally and globally. Tufts University also prides itself on creating a diverse, equitable, and inclusive community. Current and prospective employees of the university are expected to have and continuously develop skill in, and disposition for, positively engaging with a diverse population of faculty, staff, and students.*

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