



**MUSI 451  
Electroacoustic Music  
Winter 2014**

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Schedule       class: MWF 1:00 Mon in AB 655b, Wed & Fri in IAML  
required independent studio time in Sonic Arts Lab: 3 hours per week  
Sonic Arts Lab AB 655b; Integrated Arts Media Lab

Conceptual and hands-on approaches to electroacoustic & computer music.

The course comprises:

- essential studio and computer techniques
- studio composition with Macintosh computers & electroacoustic media
- survey and analysis of electroacoustic repertoire

Topics to be studied:

- analog & digital studio techniques, recording techniques, digital mixer
- software – *Logic Pro, Max, Amadeus Pro*
- techniques of sound synthesis, multi-track mixing, audio/MIDI synchronization
- multi-channel studio composition and sound spatialization
- introduction to software control using the iPad and other devices
- interpretation and live diffusion of electroacoustic music in concert
- digital audio and MIDI – theory & practice
- electroacoustic & acousmatic aesthetics, repertoire & history

Projects and assessment:

- Three electroacoustic études (due Mon Jan 27, Mon Feb 10, Mon March 10)                     30%
- Interpretation / live diffusion of an electroacoustic work (March 10-15)                     10%
- Analysis of an electroacoustic work – web document & presentation (March 17-21)                     10%
- Two tests (Fri Feb 14, Wed March 26)                     25%
- Final multi-channel electroacoustic work (due April 9) & presentation (April 9, 11, 14)                     25%

Participation includes regular class presentation of work-in-progress & études, listening to repertoire, assigned readings, discussion of course topics, work in class lab.

Études and final multi-channel work must be realized according to professional standards and presented in class. Selected works may be presented in concert.

Grading scale:

A+ = 100-96	A = 95-91	A- = 90-86	B+ = 85-81	B = 80-76	B- = 75-71
C+ = 70-67	C = 66-62	C- = 61-58	D+ = 57-54	D = 53-50	F = 49%

Materials: good headphones, USB or Firewire drive, recordable CDs  
No Final Exam.

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