



Advanced Electroacoustic Music

TECH 203 (CRN 8121)

Fall 2014

Course Information

- Time & Location : Tue/Thu 1:30-2:45PM @ TIMARA Studio
- Instructor : Joo Won Park
- Email : joo.won.park@oberlin.edu
- Phone : 440-775-8232
- Office Hours : Mon/Wed 9-11AM & by appointment

Overview

We will listen, learn, and compose fixed electroacoustic pieces of various styles in this class. We will explore different recording, processing, and multichannel techniques by analyzing examples from the literature and applying the ideas to small and large composition projects. Some of the topics covered in the class are soundscape composition, multichannel diffusion, multichannel composition, transducers, musical acoustics, analog synthesizers, and hacked instrument. The class assumes that you have taken a few semesters of TIMARA classes.

Required Materials & Skills

- DAW: You must be proficient at audio editing and mixing
- Synthesis/DSP Tools: I assume that you had experience(s) in programs that can customize and manipulate audio signals (eg: Max/MSP, Csound, Pd, SuperCollider, etc)
- USB or Portable HD
- Access to TIMARA server
- Access to a portable recording device

Expectations

- Come to every classes with open mind and open ears. Be ready to participate in various exercises and discussions.
- If you miss more than 3 classes without proper excuses, your attendance point will be 0. If you have more than 3 unexcused tardies, your attendance point will be 0. If you miss more than 6 classes, excused or unexcused, you will not be able to pass the class.
- If an emergency or sickness prevents you from coming to the class, please contact me as soon as possible. If you have an incident that prevents you from coming to two consecutive classes, bring proper documentations (doctor's notes, official letter from *x*, etc)
- You are responsible for all material covered in the class regardless of your attendance record. Please come to my office hour if you need a help in catching up. Late assignments are not accepted.
- Plagiarism and other means of academic dishonor are prohibited. Please refer to Oberlin Honor Code for details at <http://new.oberlin.edu/conservatory/academic-resources-and-support/honor-code.dot>
- Check your Oberlin email account for updates and notifications. I can be reached much easier by email than phone. Email submission of your work is not valid unless you receive a confirmation reply from me. If you do not receive a reply from me within three days, please resend the email.

Accommodations for Students with Disabilities

Students requesting classroom accommodation should contact Office of Disability Services. Please refer to <http://new.oberlin.edu/conservatory/academic-resources-and-support/disability-services.dot> for details.

Grading

A+	A	A-	B+	B	B-	C+	C	C-	D	F	W
100-97	96-93	92-90	89-87	86-83	82-80	79-77	76-73	72-70	69-60	59-0	NA

- Class Attendance : 10%
- Annotated Listening/Reading List : 20%
- Composition Projects : 40%
- Diffusion/Multichannel Presentation: 10%
- Final Project: 20%

Annotated Listening/Reading List : I would like you to submit two lists, one before the Fall Recess, and another before the finals week.

Composition Projects : I will assign total of 7 short composition projects, but you are required to do **4** of them. Among those 4, at least one has to be a multichannel piece. Each project is due after two weeks.

Diffusion/Multichannel Presentation : You will practice and present at least one multichannel/diffusion piece selected from the electroacoustic literature.

Final Project : Compose a long, original piece for multichannel system.

Semester Schedule

- September
 - Week 1 : Review & Field Recording Techniques
 - Week 2 : Soundscape composition (Composition Project #1)
 - Week 3 : Unusual Recording Techniques (Composition Project #2)
 - Week 4 : Diffusion Techniques
 - Week 5 : Multichannel Techniques
- October
 - Week 6 : Canadian Composers (Composition Project #3)
 - Week 7 : British Composers (Composition Project #4)
Annotated Listening List #1 Due
 - Week 8 : No class (Fall Recess)
 - Week 9 : European Composers (Composition Project #5)
- November
 - Week 10 : American Composers (Composition Project #6)
 - Week 11 : Asian Composers (Composition Project #7)
 - Week 12 : Final Project discussion
 - Week 13 : Special Topic
- December
 - Week 14 : Beyond Fixed Media
 - Week 15 : Makeup and Individual Session
Annotated Listening List #2 Due
 - Week 16: Final Exam (12/18 @ 2PM) : Final Project Presentation