

Introduction to Electroacoustic Music (MUC 4313 & 5315)

University of Florida Fall 2019

Dr. Scott Lee - scott.lee@ufl.edu

M/W/F 11:45-12:35 PM, MUB 0147

Office: MUB 333 Office Phone: (352) 273-3144

Office Hours: TBA

How to get in touch with me:

For short questions: E-mail me. As a general rule, I answer e-mails between 9:00-5:00, and I try to answer emails within 24 hours of receipt, except on weekends.

For everything else: Come to office hours or make an appointment. Office hours are a chance for you to get help on assignments, go over material covered in class, talk about connections between class material and other ideas, and so on. I strongly encourage you to take advantage of this time.

Course Description and Goals:

A survey of the history, repertoire, technologies, and compositional techniques of electroacoustic music, including an introduction to acoustics and the application of techniques to the creation of new electroacoustic works using a digital audio workstation.

Course Goals:

Students will demonstrate knowledge of the development of electroacoustic music over the past century, including significant composers, works, technologies, techniques, and acoustics, through class discussion and written assignments. Students will develop critical listening skills through the aural analysis of electroacoustic repertoire. Finally, students will integrate compositional approaches and digital signal processing techniques through the creation of electroacoustic works using a digital audio workstation.

Required Course Textbooks

Holmes, Thom. *Electronic and Experimental Music* (5th edition)

Backus, John. *The Acoustical Foundations of Music* (2nd edition)

Optional Course Textbooks:

Cox and Warner, *Audio Culture: Readings in Modern Music*

Lieder, *Digital Audio Workstation*

Other Course Materials

Access to a digital audio workstation (We will be using Logic Pro)

Headphones

USB Flash Drive

Attendance

Students are expected to attend all regularly scheduled classes. Each unexcused absence over three will result in a one-point deduction from your final grade. Any student with eight or more unexcused absences will fail the course. An excused absence is an approved UF event, a family emergency, or an illness documented by a doctor's note (to be presented in the first class attended after your sickness). Students knowing in advance that they will miss a class must contact me **beforehand via email**. Please do not schedule non-urgent doctor's appointments during class time. In the case of an

absence (excused or unexcused), that student is responsible for determining what material was covered, and what assignments were given.

Tardy Policy

Attendance will be taken at the beginning of class. Students who are not present when I take attendance will be marked as tardy. Three tardies will count as one unexcused absence. There are no excused tardies.

Evaluation:

Students will be evaluated by participation & preparation, quizzes, projects, and exams.

Participation & Preparation:	10%
Composition Projects:	35%
Listening Quizzes:	15%
Midterm Exam:	20%
Final Exam:	20%

Scale:

A = 93-100 / A- = 90-92 / B+ = 87-89 / B = 83-86 / B- = 80-82 / C+ = 77-79 / C = 73-76 C- = 70-72 / D+ = 67-69 / D = 66-65 / D- = 63-64 / E = 0-62

UF Student Honor Code

You are required to abide by the Student Honor Code. Any violation of the academic integrity expected of you will result in a minimum academic sanction of a failing grade on the assignment or assessment. Any alleged violations of the Student Honor Code will result in a referral to Student Conduct and Conflict Resolution. Please review the Student Honor Code and Student Conduct Code at <http://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>

Technology Policy:

Your attention is your most valuable asset; use it to the best of your ability. I reserve the right to dock your grade and/or ask you to leave class if you are inappropriately using technology in class.

Homework Policy:

You are expected to complete all reading and listening assignments. If you are unable to fully participate in class discussion because you failed to complete the assignments for a given day, your grade in the class will be adjusted accordingly.

Quiz/Exams Policy:

Quizzes and Exams will be given at the beginning of the class meeting they are given. **No makeup quizzes or Exams will be given.** The only exception is for an excused absence. In that case, it is your responsibility to be in touch with me in order to schedule a makeup.

Digital Resources

We will make use of Canvas for communication and assignments <https://ufl.instructure.com/>
Please check it frequently.

Helpful online textbook resources are available at:

<https://routledgetextbooks.com/textbooks/9781138792739/default.php>

Students Requesting Accommodations due to Disabilities

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation. To request classroom accommodations, contact the Assistant Dean of Students/Director of the Disability Resources Program at P202 Peabody Hall or call 392-1261 (V), 392-3008 (TDD).

Evaluations

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

Schedule below (subject to change)

Class	Date	Day	Reading/Topic	Quizzes & Assignments
1	8/21	Wed	Syllabus, Introduction	
2	8/23	Fri	Varèse, “The Liberation of Sound” & Studio Workshop	Recording Assignment
3	8/26	Mon	Holmes, Ch. 1: Electronic Music Before 1945	
4	8/28	Wed	Backus, Simple Vibrating Systems & Russolo “The Art of Noise”	
5	8/30	Fri	Studio Workshop	Editing Assignment
6	9/4	Wed	Holmes, Ch. 2: Early Electronic Music in Europe	
7	9/6	Fri	Backus, Wave and Wave Propagation	
8	9/9	Mon	Holmes, Ch. 5: Tape Composition and Electronic Music Fundamentals & Schaeffer, “Acousmatics”	
9	9/11	Wed	Studio Workshop	Project 1 Assigned
10	9/13	Fri	Studio Workshop	
11	9/16	Mon	Holmes, Ch. 3: Early Elec. Music in the USA & Cage, “The Future of Music: Credo”	
12	9/18	Wed	Backus, Complex Vibrations & Resonance	
13	9/20	Fri	Studio Workshop	
14	9/23	Mon	Holmes, Ch. 6: Early Synthesizers and Experimenters	Listening Quiz #1
15	9/25	Wed	Backus, Tone Quality (Timbre) & Eno, “The Studio as Compositional Tool”	
16	9/27	Fri	Studio Workshop: Project 1 Presentations	Project 1 Due
17	9/30	Mon	Holmes, Ch. 7: Principles of Analog Synthesis and Voltage Control	
18	10/2	Wed	Holmes, Ch. 8: The Voltage Controlled Synthesizer (MIDI)	MIDI Assignment
19	10/7	Mon	Holmes, Ch. 8: The Voltage Controlled Synthesizer	
20	10/9	Wed	Backus, Intensity and Loudness Levels	
21	10/11	Fri	Studio Workshop	
22	10/14	Mon	Midterm Review	
23	10/16	Wed	Midterm Exam	

24	10/18	Fri	Studio Workshop	Project 2 Assigned
25	10/21	Mon	Holmes, Ch. 9: Early Computer Music	
26	10/23	Wed	Holmes, Ch. 9: Early Computer Music (Spectral Music)	
27	10/25	Fri	Studio Workshop	
28	10/28	Mon	Holmes, Ch. 10: The Microprocessor Revolution	
29	10/30	Wed	Backus, Intervals, Scales, Tuning, Temperament	
30	11/1	Fri	Studio Workshop: Project 2 Presentations	Project 2 Due
31	11/4	Mon	Holmes, Ch. 11: The Principles of Computer Music	
32	11/6	Wed	Studio Workshop	Listening Quiz #2
33	11/8	Fri	Studio Workshop	Project 3 Assigned
34	11/11	Mon	Holmes, Ch. 12: Classical and Experimental Music	
35	11/13	Wed	Holmes, Ch. 12: Classical and Experimental Music & Klooster, "Electronic Sound Art and Aesthetic Experience"	
36	11/15	Fri	Studio Workshop	
37	11/18	Mon	Holmes, Ch. 13: Jazz, Live Electronic Music, and Ambient Music & Cutler, "Plunderphonia"	
38	11/20	Wed	Adkins "Extending the Instrumental Sound World Using Electronics"	
39	11/22	Fri	Studio Workshop	
40	11/25	Mon	Holmes, Ch. 14: Rock, Space Age Pop, and Turntablism & Glazer, "Etymology of EDM"	
41	12/2	Mon	Essl, "Algorithmic Composition"	
42	12/4	Wed	Studio Workshop: Project 3 Presentations	Project 3 Due
EXAM	12/10	Tue	Final Exam 12:30-2:30PM	