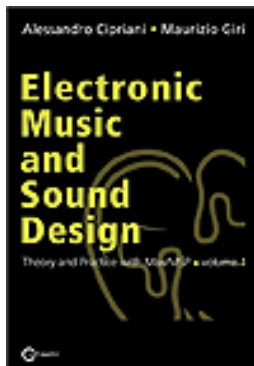


MUC4442/6446
Electroacoustic Music Composition/Digital II
Dr. James Paul Sain

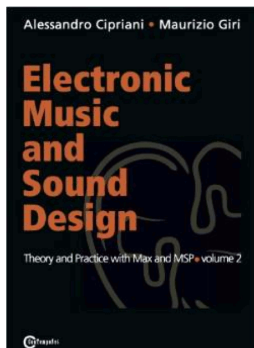
Syllabus - Spring 2021

Continuation of MUC6445, Electroacoustic Music Composition/Digital I. Composition and research in direct-digital software synthesis systems to include advanced instrument design, algorithmic composition, and real-time performance applications.

Required Texts:

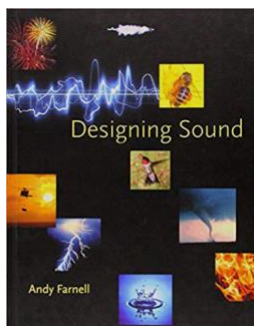


Cipriani, Alessandro & Giri, Maurizio.
Electronic Music and Sound Design - Theory and Practice with Max/MSP :
Volume 1. (Contemponet, 2010).
[\[amazon.com\]](http://amazon.com)
[\[barnesandnoble.com\]](http://barnesandnoble.com)

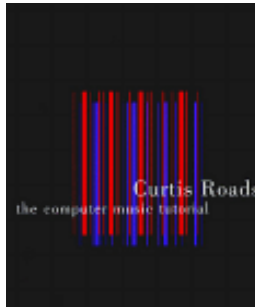


Cipriani, Alessandro & Giri, Maurizio.
Electronic Music and Sound Design - Theory and Practice with Max/MSP :
Volume 2. (Contemponet, 2014).
[\[amazon.com\]](http://amazon.com)
[\[barnesandnoble.com\]](http://barnesandnoble.com)

Optional Texts:



Farnell, Andy. *Designing Sound.*
(MIT Press, 2010).
[\[amazon.com\]](http://amazon.com)
[\[barnesandnoble.com\]](http://barnesandnoble.com)



Roads, Curtis. *The Computer Music Tutorial.*
(MIT Press, 1997).
[\[amazon.com\]](http://amazon.com)
[\[barnesandnoble.com\]](http://barnesandnoble.com)

Materials Required:

- (1) 4 GB (or bigger) flash drive
- (n) Additional removable media as necessary

Optional Material:

- (1) Personal copy of Max/MSP (student discount available - see <http://cycling74.com/shop/individual-academic/>)

Grading:

- 56% Tutorials
- 18% Listening Reports
- 26% Final Project

Office: Office 221/Lab 147/Studio 340/Lair 231

Office Phone No.: 273-3176

Office Hours: see schedule

Professor: Dr. James Paul Sain • jsain@ufl.edu

Studio/Lab Assistants:

Jong-Chan Lee • jongchan@ufl.edu

Listserv (closed): ufemu-l@lists.ufl.edu

Policies:

- 1) All listening selections are from the AFA Library Listening Area; please plan your time accordingly. A lack of planning on your part does not necessarily constitute an emergency on the part of the library support staff.
- 2) Late work is not accepted.
- 4) Attendance is required at all classes. Should a class be missed, it is the student's responsibility to see that the lecture notes from the missed class are obtained from a classmate and any work assigned is completed by their return (a class list will be supplied to help facilitate this policy).

After three (3) class absences your grade will be lowered one grade increment for each absence after three (ie A to A-, or C to C-). Participation includes having your camera and audio on during the virtual class meetings. It is your responsibility to inform the instructor should you be experiencing difficulty with your computer and/or your Internet connection as well as getting such fixed in as timely a manner as possible.

5) The Electroacoustic Music Studio will hopefully become available for use by each electroacoustic music student sometime this semester as time and resources allow; these open use times will be available on a first come, first served basis. Should it be necessary we can provide a sign-up for secured times. If that is necessary, each studio user has a five-minute grace period after which the studio will revert to open use.

6) Plan early for your final project...things have a way of happening at the last minute.

7) The requirements, emphasis, and timing of this course may be changed or adjusted to meet the specific needs of the class as determined by the instructor.

8) All students of *The University of Florida* are expected to conduct themselves in a reasonable and professional manner at all times as described in the Student Honor Code; please refer to The Code for specifics.

9) UF Software Copyright Policy: All faculty, staff and students of the University of Florida are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against the University policies and rules, disciplinary action will be taken as appropriate.

10) UF Counseling Services - Resources are available on-campus for students having personal problems or lacking clear career and academic goals which interfere with their academic performance.

These resources include:

- a. University Counseling Center, 301 Peabody Hall, 392-1575, personal and career counseling;
- b. Student Mental Health, Student Health Care Center, 392-1171, personal counseling;
- c. Sexual Assault Recovery Services (SARS), Student Health Care Center, 392-1161, sexual assault counseling;
- d. Career Resource Center, Reitz Union, 392-1601, career development assistance and counseling;
- e. University Police Department 352-392-1111 (or 9-1-1 for emergencies).

11) Students requesting classroom accommodation must first register with the Dean of Students Office in Peabody Hall. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

a. Disability Resource Center 352-392-8565.

12) 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 on how to give feedback in a professional and respectful manner is available at 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 ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at gatorevals.aa.ufl.edu/public-results/

13) My virtual office door is always open; please feel free to drop me a note to schedule a Zoom meeting to discuss class issues as the need arises.

Grading Scale:

A	100-94%
A-	93-90%
B+	89-87%
B	86-83%
B-	82-80%
C+	79-77%
C	76-73%
C-	72-70%
D+	69-67%
D	66-63%
D-	62-60%
E	59-0%

Tutorials

(look here for assignment handouts as the semester progresses)

Msp Assignments

- [Msp Tutorial No. 1](#)
- [Msp Tutorial No. 2](#)
- [Msp Tutorial No. 3](#)
- [Msp Tutorial No. 4](#)
- [Msp Tutorial No. 5](#)
- [Msp Tutorial No. 6](#)
- [Msp Tutorial No. 7](#)
- [Msp Tutorial No. 8](#)

A copy of all assignments should be emailed in .zip format to me at (if you're including large audio samples please give them to me on CD-R media):

jsain@ufl.edu

Please use the following format to name your submitted work:

your_last_name_&_assignment_number.maxpat

example:

sain1.maxpat

Listening List

Links

Max/Msp Resources

<u>Chris Dobrian Max Cookbook</u> <u>PeRColate by Trueman/DuBois</u> (based on partial port of STK) <u>Real Time Composition Library</u> by <i>Karlheinz Essl</i>

Additional Resources

<u>maxobjects.com</u> , a repository of all things Max-like <u>Vector Based Amplitude Panning (VBAP) Project</u> , Helsinki University of Technology Laboratory of Acoustics and Audio Signal Processing

[Interview with Alvin Lucier on the *UBU Visual - Concrete - Sound* website](#)

Course Outline

Week 1 (Jan 11 & 13)

- Introduction

Week 2 (Jan 18, ML King Day - No class; Jan 20)

-

Week 3 (Jan 25 & 27)

-

Week 4 (Feb 1 & 3)

-

Week 5 (Feb 8 & 10)

-

Week 6 (Feb 15 & 17)

-

LISTENING LIST REPORT 1 Due: Friday, Feb. 19

Week 7 (Feb 22 & 24)

-

Week 8 (Mar. 1 & 3)

-

Week 9 (Mar. 8 & 10)

- Mid-Semester Stretch/ No Class

Week 10 (Mar. 15 & 17)

-

Week 11 (Mar. 22 & 24)

-

LISTENING LIST REPORT 2 Due: Friday, Mar. 26**Week 12** (Mar. 29, Dr. Sain returns from CNU New Music Festival - No class & Mar. 31)

-

Week 13 (Apr. 5 & 7)

-

Week 14 (Apr. 12 & 14)

-

Week 15 (Apr. 19 & 21)

- **PRESENTATION OF FINAL PROJECTS**

LISTENING LIST REPORT 3 Due: Friday, Apr. 21

TUTORIALS: Each tutorial and/or assignment will be accomplished with the ultimate goal of composing an interactive work for acoustic soloist (talk with prospective candidates early) and interactive computer music application (Max/Msp/Jitter = Max).

LISTENING REPORTS (quantity 3): A written critique of compositions on each listening list. These typed reports should contain ample and objective prose describing the works on the listening list that demonstrates an understanding of the techniques used to produce the work as well as the aesthetic of the composition.

CONCERTS: Given the pandemic will are currently not planning an UnBalCon event. One was originally scheduled for 9 April 2021. Should the situation improve you will be notified of the opportunity.

FINAL PROJECT: Creative work to demonstrate understanding and application of principles discussed and experienced during the course of the semester, utilize a non-standard controller (not based on an acoustic instrument paradigm), and embody the

aesthetics of contemporary electroacoustic art music. All final projects will be presented during the final examination. These projects will be retained/archived. Do not hand in your only copy.

SAFETY HINT: Always keep several back-up copies of your work on clay tablets, CD-R media or flash drives; if you have a personal computer you may wish to keep one copy on your personal hard-drive. Do not use the lab's/studio's hard-drives as personal storage devices. Doing so will most likely result in the loss of your work. All drives are regularly cleaned of all unauthorized software, files, and documents. Do not reorganize any software on the platforms in either the Computer Aided Music Instruction Lab (MUB 147) or the Electroacoustic Music Studio (MUB 340).

HEARING SAFETY: It is very important that the student of electroacoustic music be aware of the listening environment in which they are working. The studio environment can, if used improperly, subject the listeners ears to unhealthy sound pressure levels. For more information and links to web sites about hearing health [click here](#).

- last update 5 January 2021 -