

SYLLABUS
Music 3313 (5513)
Electronic Music

Wednesday & Friday, Rm. 208, 12:30

Instructor: Dr. Andy Walters. Office: Butler 209. Phone: 4737. E-mail: awalters@mansfield.edu

Office Hours: M: 1:30 -3:30, Tu, Wed. Thur, 2:30-3:30 (other times by appointment).

Materials:

- a notebook for notes
- a least two (if not more) flash drives
- headphones with an ¼" stereo plug

Software: Peak, Digital Performer, Reason, Ableton Live, Max/MSP

Course Prerequisite: successful completion of MU 2212

Course Description and Objectives:

Survey of electroacoustic music technology with emphasis on MIDI applications. Provides hands-on experience with computer-based sequencing and music notation.

Upon successful completion of this course the student will be able to:

- Understand and discuss the history and philosophical concerns of the field of electroacoustic and electronic music
- Demonstrate through exams and assignments an understanding of basics acoustics and digital audio
- Demonstrate the ability to use sound editing, processing, and sequencing programs
- Demonstrate through exams and assignments an understanding of MIDI, basic synthesis, and basic interactive electronic music systems
- Through the use of software programs, demonstrate the ability to use MIDI and techniques of synthesis

References to Student Learning Outcomes for the BM with an Emphasis in Music Technology Program:

- Students will demonstrate experience and expertise in music technology hardware and software for recording, editing, mixing, applying audio effects, MIDI sequencing, and notation. Students will demonstrate broad knowledge of the music industry.
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Technology

The computer lab will be available for work on class projects at specific designated times, and a lab assistant will be available to open the room and provide basic lab support. The lab assistants are not teaching assistants or tutors, and may not be able/willing/available to answer questions or provide help specific to this class. **It is extremely important to read the manuals for each software program.** Also, look at Blackboard or e-mail other students for help as well.

The lab will be available to students a minimum of ten hours per week under the supervision of Music Department lab assistants. Therefore, you will have time available to work

on projects and assignments outside of the normal class meeting times. Since our assignments and projects will be very software specific, time spent in the lab will be absolutely critical to the quality (and the grade evaluation) of your work. Please plan to take advantage of the lab hours available.

Grading: Standard 100 pt. scale:

Letter	%	GP	Criteria
A	93 – 100%	4.0	Exceptional. Well-prepared, insightful, and thorough.
A-	90 – 93%	3.7	
B+	87 – 90%	3.3	Good. Demonstrates a basic understanding of the material, perhaps with minor flaws
B	83 – 87%	3.0	
B-	80 – 83%	2.7	
C+	77 – 80%	2.3	Fair. Demonstrates a less-than-firm grasp of the material; missing elements; multiple factual/grammar/spelling errors
C	73 – 77%	2.0	
C-	70 – 73%	1.7	
D+	67 – 70%	1.3	Poor. Demonstrates a lack of effort or understanding of the material. Multiple errors, missing elements, or failure to follow assignment instructions
D	63 – 67%	1.0	
D-	60 – 63%	0.7	
F	< 60%	0.0	Missing, incomplete, plagiarized

Grading Components:

Assignments	25%
Projects	30%
Exams	25%
Final Exam	20%

Assignments will be either written paperwork or small exercises for various software programs (Peak, Digital Performer, etc.). Projects are more involved exercises and will be performed for the entire class. Exams will cover the history of electroacoustic music presented in class, theoretical concepts from in-class lectures and practical concerns involved with using electronic music software.

Graduate students (MU 5513) will also complete one additional project for class. The scope of the project will be determined on an individual basis. Students are encouraged to meet with me by the 6th week of the term to decide on their project. Students will present their projects in class during an appropriate class session. It will count as part of their project grade.

Desire 2 Learn

Many materials for class will be up on Desire 2 Learn. You can look on D2L for important announcements, assignments, discussion boards, and your grades. Also, exams will be hosted on the website as well.

Academic Integrity

Students are expected to submit original work. Though help from other students is sometimes helpful, projects and assignments are to be one's own work. Any form of cheating may result in **failure of the course**. Additional information concerning academic honesty can be found in *The Password*.

Attendance

You are expected to attend all classes and to arrive on time and well prepared. Documented excuses because of illness, serious mitigating circumstances, or absences because of official university representation will be accepted, thus permitting you to make up missed tests and/or assignments in a reasonable manner at the instructor's discretion. From the Student Handbook:

Should it be necessary to miss a class for a doctor's appointment off campus, appointment with our campus clinic, or other health related issues resulting in missing class, a student should ask for documentation which in turn is to be sent to Carol Alexander, Room 510, North Hall. Your class professors will in turn be notified that documentation for the absence has been received in the Office of the Provost. Questions should be directed to Carol Alexander at 662-4805 or email at calexand@mansfield.edu. (Mansfield University, Mountie Manual 2005-2006, <http://reslife.mnsfld.edu/MountieManual0506.pdf>, 1)

Each 2 unexcused absences will lower your grade by one letter. 8 unexcused absences will result in a failing grade.

Exceptionalities

Any students with documented psychological or leaning disorders or other significant medical conditions, please work through Mr. William Chabala (South Hall 216) to provide me with the appropriate letter so that I may serve your particular needs better.

Course Outline MU 3313—Fall 2011

Week	Wed.	Fri.	Assignment
8/31-9/2	Intro. to Class Working w/Peak Saving things	Non-destructive editing Playlists	Assignment #1--- Movie Lines Mix Up
9/7-9/9	<i>Early Electronic Music History</i>	Listening to A#1 Manipulating Sounds w/Peak	Assignment #2---Take sounds and redo them
9/14-9/16	<i>Basic Acoustics and Digital Audio</i>	Digital Performer and Sequencing Software Listening to A#2	Assignment #3---Create a song
9/21-9/23	Mixing things with DP <i>Listening to Electroacoustic Music</i> Review for Exam #1 Go over Musique Concrete Project	Listening to A#3 Plug-ins and mixing	Assignment #4---Create a musique concrete phrase
		NO CLASS Exam#1 Online	
10/5-10/7	Listening to A#4 <i>Binary Numbers</i>		Assignment #5---Numbers
10/12-10/14	<i>Introduction to MIDI Classic Electronic Music History</i>	MIDI and Sequencing How to enter notes	
10/19-10/21	Musique Concrete Projects due MIDI and Digital Performer	Drum Machine Programming <i>Brief History of Modern and Classical Electronic Music</i>	Assignment #6---Enter a simple song
	Control and Program Changes	NO CLASS	Assignment #7---Create a Drum beat
11/2-11/4	<i>Additive and Subtractive Synthesis</i> Reason	Listen to A#7 <i>Modulation Synthesis</i> Basic Synthesis and Reason	Assignment #8---Patches with Subtractor
11/9-11/11	Combining DP with Reason More Max/MSP	Granular Synthesis	
11/16-11/18	MIDI Projects Due Listen to A#8 Review for Exam #2	Exam #2	Assignment #9—Reason Patch Analysis
	Go over Final Project <i>Popular Electronic Music</i>	NO CLASS THANKSGIVING	
11/30-12/2	<i>More Digital Audio</i> Abelton Live More Max/MSP	Ambient and Techno Music	Assignment#10-- Short Ambient piece w/Reason and DP
12/7-12/9	Electronic Music Composition Techniques	Review for Final Exam Final Projects in Progress	
FINAL EXAM TIME	FINAL PROJECT FINAL EXAM		