MUE 3693: Technology in Music Education

Department of Music **|** College of Arts & Humanities
University of Central Florida
Spring 2020 Course Syllabus

Instructor:	**Dr. Thad Anderson**
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Office Hours:	By Appointment

Course Description:

This course is focused on examining the basics of music specific technology and its application to a career in the field of music. Throughout the semester, we will lay the foundation for a wide variety of topics and applications that can be followed up with further study.

Course Objectives and Expectations:

Upon successful completion of this course, students will be able to:

- Recognize basic properties of acoustic and digital sound
- Understand the history of music technology and its development in contemporary uses
- Discuss significant electronic and electro-acoustic works
- Create and edit sound in a digital environment
- Design sound using sequencing and virtual instruments
- Create basic printed materials using music notation software

Course Prerequisites:

Prior to enrolling in this course, students should have basic computer skills including word processing and other productivity software, email, and internet usage. Students in need of these skills should take a different course before continuing with this one. Students should also be fluent in music notation and understand basic music terminology**.**

Required Text & Materials:

Foundations in Music Technology by V.J. Mango (ISBN #9780199368297)

Recommended Downloadable Software/Freeware:

FMT, accompanies our text: www.vjmanzo.com/oup/fmt/
Audacity: www.audacityteam.org

Required Web-based Accounts:

Noteflight: www.noteflight.com
Soundtrap: www.soundtrap.com

Communication:

All communication regarding this course should be maintained through Webcourses. I will disperse regular announcements and you can reach me through the Webcourses Inbox feature.

Evaluation Procedures:

In general, subjective assessments will be made by the instructor regarding preparation, performance competency, class participation, and attendance. More specifically, evaluation criteria will be based upon, but not limited to, the following criteria:

Grade Categories	Points toward final grade
Project Assignments	160
Reading & Discussion	100
Listening & Discussion	140
Mid-Term Exam	100
Digital Composition Project	100
Final Exam	100
Total	700

Grading Scale:

The following grading scale will be used throughout the semester:

Grading Scale (%)	
94-100	A
90-93	A-
87-89	B+
84-86	B
80-83	B-
77-79	C+
74-76	C
70-73	C-
67-69	D+
64-66	D
60-63	D-
0 - 59	F

Course Modules: A collection of modules have been created to correspond with each of the sixteen weeks in the semester. Material within each module should be completed by 11:59 p.m. on Sunday of each week. New modules will open every week on Monday at 12:00 a.m. Students are encouraged to work at their own pace throughout the week.

Project Assignments: A series of assignments will be completed throughout the semester. These are projects that deal with topics currently being discussed through reading and course modules.

Reading Discussions: We will be reading various articles and book chapters during the course of the term. Specific reading will be assigned and each student is expected to make a posting on the reading. Students are not required to make a "top tier" post and are encouraged to respond to their peers. There is not length requirement, but postings should contain thoughtful insight regarding the topic at hand.

Listening Discussions: We will listen to significant electro-acoustic and electronic recordings throughout the semester. Like the Reading Discussions, students should plan to provide some personal reflection or anecdotes related to the recording. Again, there is no length requirement.

Exams: The mid-term and final exams should be completed within their respective course modules. The final exam is not cumulative. Books and notes may be use to complete the exams.

Deadlines:

No late work will be accepted without prior approval. Any assignments not submitted by the due date will not be accepted and will receive a grade of zero (0). With approval from the instructor before the deadline, late submissions may be considered for partial credit.

Academic Integrity:

The Center for Academic Integrity (CAI) defines academic integrity as a commitment, even in the face of adversity, to five fundamental values: honesty, trust, fairness, respect, and responsibility. From these values flow principles of behavior that enable academic communities to translate ideals into action.
http://www.academicintegrity.org/icai/assets/FVProject.pdf

UCF Creed:

Integrity, scholarship, community, creativity, and excellence are the core values that guide our conduct, performance, and decisions.
1. Integrity: I will practice and defend academic and personal honesty.
2. Scholarship: I will cherish and honor learning as a fundamental purpose of my membership in the UCF community.
3. Community: I will promote an open and supportive campus environment by respecting the rights and contributions of every individual.
4. Creativity: I will use my talents to enrich the human experience.
5. Excellence: I will strive toward the highest standards of performance in any endeavor I undertake.

Plagiarism:

In an instructional setting, plagiarism occurs when a writer deliberately uses someone else's language, ideas, or other original (not common-knowledge) material without acknowledging its source. This definition applies to texts published in print or on-line, to manuscripts, and to the work of other student writers.

Misuse of Sources:

A student who attempts (even if clumsily) to identify and credit his or her source, but who misuses a specific citation format or incorrectly uses quotation marks or other forms of identifying material taken from other sources, has not plagiarized. Instead, such a student should be considered to have failed to cite and document sources appropriately.

Responses to Academic Dishonesty, Plagiarism, or Cheating:

UCF faculty members have a responsibility for your education and the value of a UCF degree, and so seek to prevent unethical behavior and when necessary respond to infringements of academic integrity. Penalties can include a failing grade in an assignment or in the course, suspension or expulsion from the university, and/or a "Z Designation" on a student's official transcript indicating academic dishonesty, where the final grade for this course will be preceded by the letter Z. For more information about the Z Designation, see http://goldenrule.sdes.ucf.edu/zgrade.

For more information about UCF's Rules of Conduct, see http://www.osc.sdes.ucf.edu/.

Unauthorized Use of Class Materials:
There are many fraudulent websites claiming to offer study aids to students but are actually cheat sites. They encourage students to upload course materials, such as test questions, individual assignments, and examples of graded material. Such materials are the intellectual property of instructors, the university, or publishers and may not be distributed without prior authorization. Students who engage in such activity are in violation of academic conduct standards and may face penalties.

Unauthorized Use of Class Notes:
Third parties may be selling class notes from this class without my authorization. Please be aware that such class materials may contain errors, which could affect your performance or grade. Use these materials at your own risk.

In-Class Recording Policy
Outside of the note taking and recording services offered by Student Accessibility Services, the creation of an audio or video recording of all or part of a class for personal use is allowed *only* with the advance and explicit written consent of the instructor. Such recordings are only acceptable in the context of personal, private studying and note taking and are not authorized to be shared with *anyone* without the separate written approval of the instructor.

Course Accessibility Statement:
The University of Central Florida is committed to providing access and inclusion for all persons with disabilities. This syllabus is available in alternate formats upon request. Students with disabilities who need specific access in this course, such as accommodations, should contact the professor as soon as possible to discuss various access options. Students should also connect with Student Accessibility Services (Ferrell Commons, 7F, Room 185, sas@ucf.edu, phone (407) 823-2371). Through Student Accessibility Services, a Course Accessibility Letter may be created and sent to professors, which informs faculty of potential access and accommodations that might be reasonable.

Campus Safety Statement:
Emergencies on campus are rare, but if one should arise in our class, we will all need to work together. Everyone should be aware of the surroundings and familiar with some basic safety and security concepts.
- In case of an emergency, dial 911 for assistance.
- Every UCF classroom contains an emergency procedure guide posted on a wall near the door. Please make a note of the guide's physical location and consider reviewing the online version at http://emergency.ucf.edu/emergency_guide.html.
- Familiarize yourself with evacuation routes from each of your classrooms and have a plan for finding safety in case of an emergency. (Insert class-specific details if appropriate)

- If there is a medical emergency during class, we may need to access a first aid kit or AED (Automated External Defibrillator). To learn where those items are located in this building, see http://www.ehs.ucf.edu/AEDlocations-UCF (click on link from menu on left). (insert class specific information if appropriate)
- To stay informed about emergency situations, sign up to receive UCF text alerts by going to my.ucf.edu and logging in. Click on "Student Self Service" located on the left side of the screen in the tool bar, scroll down to the blue "Personal Information" heading on your Student Center screen, click on "UCF Alert", fill out the information, including your e-mail address, cell phone number, and cell phone provider, click "Apply" to save the changes, and then click "OK."
- If you have a special need related to emergency situations, please speak with me during office hours.
- Consider viewing this video (https://youtu.be/NIKYajEx4pk) about how to manage an active shooter situation on campus or elsewhere.

Deployed Active Duty Military Students:
If you are a deployed active duty military student and feel that you may need a special accommodation due to that unique status, please contact your instructor to discuss your circumstances.

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Spring 2019 Course Schedule

Week 1 module topic: Course introduction

Week 2 module topic: Properties of Sound

Week 3 module topic: Audio

Week 4 module topic: Audio Editing

Week 5 module topic: Digital Audio File Formats

Week 6 module topic: Synthesis

Week 7 module topic: MIDI, Midterm Exam

Week 8 module topic: Music Notation Software

Week 9 module topic: Music Notation Software (continued)

Week 10 module topic: Review

Week 11 module topic: Sequencing

Week 12 module topic: Acoustics

Week 13 module topic: Effects

Week 14 module topic: Digital Composition Project

Week 15 module topic: Digital Composition Project (continued)

Week 16 module topic: Final Exam