

# **SYLLABUS. LIU POST DEPARTMENT OF MUSIC. FALL 2020**

**Course Title:** Technology and Music Education

**Course Number:** MUS 17F/673

## **Course Description**

This is an introductory course designed for Music Education majors who are new to music technology. Students learn to integrate MIDI instruments and computers at every level of music instruction. The course focuses on the applications of music technology in performance as well as in the classroom at the K-12 level.

## **Course Objectives**

To develop competencies in various areas of music technology including: Electronic Musical Instruments; Music Production; Music Notation Software; Technology-Assisted Instruction; Multimedia, Productivity Tools, Classroom and Lab Management.

## **Course Content**

Course content can be divided into four main areas: 1) an introduction to music software with emphasis on audio editing, MIDI sequencing and music notation applications; 2) development of competencies in various areas of music and computer technology as they apply to teaching music; 3) an overview of the various types of music software; 4) development of lesson plans which integrate various aspects of music-oriented technology.

## **Required Texts**

Teaching Music with Technology. Thomas E. Rudolph. GIA Publications, Illinois, 2004; Technology Strategies for Music Educators, 2nd edition. Thomas E. Rudolph, et al. TI:ME Publications, 2005.

## **Recommended Reading**

Technology Guide for Music Educators. Scott Watson, et al. Artistpro, 2005

## **Required Activities**

In addition to required class work and projects, ten hours of observations of technology being used in music education in a public school setting are required for the completion of this course.

## **Grading**

Based on attendance and completion of in-class tutorial projects, assigned projects, required observations and required peer teaching assignment (see below.)

## **Attendance**

Will be taken every class. You cannot miss more than 4 hours of class – excused or unexcused. If you do, you may be asked to withdraw from the course. Your attendance will be factored into your final grade.

**Note:** in addition to scheduled class time, each week you will be responsible for doing one hour of lab time sometime during the week.

## **Instructional Activities**

In-class tutorial projects; selected readings from the textbook, distributed material and the World Wide Web; lectures, discussions and demonstrations; assigned projects.

## **Standards and Literacy in Lesson Planning and Execution**

Students enrolled in the following undergraduate and graduate music education methods classes: MUS 15, 16P/548, 17A/651, 17C/662, 17D/638, 17F/673, 18/633, 19A/635 19B/639, 19C/637, 19D/636, EDS 44G/MUS 634, and EDI 35G/812 are required to complete at least one peer teaching assignment per course. Lesson plans will follow the university-suggested format and will address both New York Arts Standards (NYAS) and The National Standards for music teaching and learning. Both music reading literacy and language literacy will be addressed when appropriate. Instructor-designed evaluation instruments including rating scales and/or rubrics that are used for measuring student success will follow, when possible, the assessment standards that were established by the Interstate New Teacher Assessment and Support Consortium (INTASC) as follows:

## **Motivation, Learning, and Development (Standards 2 and 5)**

- The teacher understands how children/adolescents learn and develop, and can provide learning opportunities that support their intellectual, social, and personal development.
- The teacher uses an understanding of individual and group motivation and behavior to create a learning environment that encourages positive social interaction, active engagement in learning, and self-motivation.

### **Curriculum (Standards 1 and 7)**

- The teacher understands the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and can create learning experiences that make these aspects of subject matter meaningful for students.
- The teacher plans instruction based upon knowledge of subject matter, students, the community, and curriculum goals.

### **Instruction (Standards 3, 4, and 6)**

- The teacher understands how students differ in their approaches to learning and creates instructional opportunities that are adapted to diverse learners.
- The teacher understands and uses a variety of instructional strategies to encourage students' development of critical thinking, problem solving, and performance skills.
- The teacher uses knowledge of effective verbal, nonverbal, and media communication techniques to foster active inquiry, collaboration, and supportive interaction in the classroom.

### **Assessment (Standard 8)**

- The teacher understands and uses formal and informal assessment strategies to evaluate and ensure the continuous intellectual, social, and physical development of the learner.

### **Professionalism**

- The teacher is a reflective practitioner who continually evaluates the effects of his/her choices and actions on other (students, parents, and other professionals in the learning community) and who actively seeks out opportunities to grow professionally.
- The teacher fosters relationships with school colleagues, parents, and agencies in the larger community to support students' learning and well-being.

### **Portfolio**

Instructor-completed evaluation instruments will be housed in student portfolios for final review during the *Student Teaching Eligibility Portfolio Review/Interview* to be held during the semester prior to student teaching. Students are responsible for the safe keeping of these documents. Other course materials, assignments, and resources may be identified as portfolio items at the discretion of the course instructor and the Director of Music Education.

### **Students with Disabilities**

In compliance with the Americans with Disabilities Act of 1990 and to facilitate learning for all students, I will make accommodations for students with disabilities. It is necessary for those students to inform me of these accommodations by the end of the second week of classes. Please contact the Academic Resource Center (516-299-2937) so that steps can be taken to develop an appropriate educational plan.

If you are a student with a documented disability, medical condition, or think you may have a disability, and will need accommodations, academic adjustments, auxiliary aids, or other services, please contact Marie Fatscher in Disability Support Services (Post Hall, Lower Level, C10) at 516-299-3057 or [marie.fatscher@liu.edu](mailto:marie.fatscher@liu.edu) to request services, accommodations or for additional information. Additional information is also available on the DSS website: [www.liu.edu/post/dss](http://www.liu.edu/post/dss)

The Center for Healthy Living offers supportive psychological and nutritional services Monday – Friday 9 am to 5 pm and is located in Post Hall, Lower Level – South Entrance (parking lot side of building.) Additional information is available by emailing [post-healthyliving@liu.edu](mailto:post-healthyliving@liu.edu) or calling Lynne Schwartz at (516) 299-4162.

### **Technology**

If you have problems, please contact IT (Library 236A, M-Th 8am-8pm and F 9am-5pm; [it@liu.edu](mailto:it@liu.edu); 516-299-3300).

You can access online tutorials for Blackboard as needed: <http://www.liu.edu/Information-Technology/Info-Tech/Tutorials> (Step by Step Guides and Videos)

### **COVID-19**

Students must wear masks in class at all times. Any student who fails to do so will be asked to leave the classroom and be reported to the Dean.

Student accommodations will be considered on a case-by-case basis. Please inform your instructor if you would like to request accommodations.

Should for any reason your instructor be unable to teach in-person, you will be informed and steps will be taken to ensure that your class continue uninterrupted. Should you need to, you can contact the Department Chair at [james.mcroyc@liu.edu](mailto:james.mcroyc@liu.edu), 516-299-2945.

## Anticipated Schedule. Technology and Music Education. MUS 17F/673, Fall 2020

Week	Topic	Class	Materials Needed	Reading Assignment Due Dates 1	Project Assignment Due Dates
9/7	Intro, Overview of Areas of Technology	Intro, Overview & Questionnaires			
9/14	Editing Audio	Audio Ex. 1 (Editing Audio)	<i>For next week's class on 9/22: bring an audio file or CD containing an excerpt you would like to use as a ringtone</i>	9/17 Ch. 1	
9/21	Editing Audio	Audio Ex. 2 (Creating a Ringtone)		9/24 Ch. 2	9/24 Email JM the mp3 version of Audio Ex. 1 (Editing Audio)
9/28	Editing Audio	Audio Ex. 3 (Editing Voice)	<i>For next week's class on 10/6: bring materials (text, photos, etc.) for a PowerPoint presentation about yourself or another topic of your choice (minimum of 5 slides)</i>	10/1 Ch. 3	10/1 Email JM the mp3 version of Audio Ex. 2 (Ringtone)
10/5	Creating Multimedia Presentations	PowerPoint Ex.1		10/8 Ch.4	10/8 Email JM the <b>64kbps</b> mp3 version of Audio Ex. 3 (Editing Voice)
10/12	Creating Multimedia Presentations cont.	PowerPoint Ex.1.		10/15 Ch. 5	
10/19	Multitrack Loop-based Composition	Soundtrack Project		10/22 Ch. 6	10/22 Email JM the compressed folder containing your PowerPoint presentation. We will review the presentation in class to make sure it works properly
10/26	Multitrack Loop-based Composition cont.	Soundtrack Project		10/29 Ch. 7	10/29 Email JM a brief description of a soundtrack for a scene from an imaginary movie
11/2	Music Notation <i>No class 11/3-Election Day</i>	Finale Ex. 1		11/5 Ch. 8	11/5 Email JM the audio version of your Soundtrack Project. The file format you send will depend on which application you use to create the project. More in class.
11/9	Music Notation cont.	Finale Ex. 1 and 2		11/12 Ch. 9	
11/16	Notation; Sequencing & Audio Production	Finale Ex. 2; Sequencing Project	<i>Start preparing materials for final PowerPoint project to be presented during our Final Session. Requirements will be discussed in class</i>	11/19 Ch. 10	11/19 Print Finale Ex. 1 and submit it to JM in class. Before printing ask for assistance in formatting the page

11/23	Sequencing & Audio Production cont. <i>No class 11/26-Thanksgiving</i>	Sequencing Project	<i>Requirements for Final Projects will be discussed in class. There will be several choices</i>		
11/30	Sequencing & Audio Production cont.	Sequencing Project. Work on Final Projects if time		12/3 Ch. 11	12/3 Print the entire score of Finale Ex. 2 and submit it to JM in class. Before printing ask for assistance in formatting the page
12/7	<i>Last class 12/10</i>	Work on Final Projects		12/10 Ch. 14	12/10 Sonar Ex. 1. Email JM the Sonar and MIDI versions of the exercise
12/14 12/21	Finals begin 12/16. Final session <i>either 12/17 or 12/22</i>	Work on Final Projects	<i>The lab will be open during Study Days and Finals Week to allow you to work on your Final Project and complete other work</i>		<b>Final Session.</b> In class submit to JM: 1) the folder containing your final PowerPoint presentation; 2) your Final Project. What you submit for your final project will depend on what type you have chosen to do.

1 All reading assignments are from the *Teaching Music with Technology* book. These assignments call for you to read the assigned chapter, answer four questions of your choice found at the end of the chapter then email your answers to the assignments email address (**jmcwptech@gmail.com**) as an attachment (word processor file).

### Notes:

1. Other assigned readings will be from the *Technology Strategies* book and will be announced in class.
2. JM must review any in-class projects in the lab BEFORE you email them. These assignments should be submitted via email to **jmcwptech@gmail.com**. Please do not send them to JM's liu.edu account.

Due dates for assignments should be considered “soft” due dates – more suggested dates than required.

### Course Web Site and Email Address for Assignments

The course web site is <http://myweb.liu.edu/jmeschi/f20/tech>. The assignments email address is **jmcwptech@gmail.com**. Most assignments should be emailed. Other assignments will be collected in the lab.

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Office hours by appointment and online