Sampling, Synthesis & Snd Dsgn

MUSC - 2540 001

Course Student Learning Outcomes

- Students demonstrate understanding of the basic principles and techniques associated with sound production and sound design using acoustic, analog and digital instruments.

- Students demonstrate the ability to design and produce useful musical sounds using a variety of technologies including but not limited to physical processes and acoustic instruments, analog electronic synthesis techniques such as additive and subtractive synthesis, hybrid electronic synthesis techniques such as wavetable synthesis, digital synthesis techniques such as FM, granular and physical modeling synthesis, and other computer-based advanced sound design and production techniques.

- Students demonstrate the ability to create musical productions (recorded or live performances of songs) by controlling and organizing the sounds they design.

- Students demonstrate proper understanding and use of specific terminology associated with sound design, synthesis and sampling.

Course Prerequisites

A grade of C or better for MUSC1520

Engagement Plan

Example language:

- I will respond to email within 24 hours. I will offer feedback on major assignments within 96 hours. The best way to contact me is via the Canvas Inbox, as I will prioritize those messages over other modes of communication.

- This class depends greatly on presenting your assignments in class in the effort to establish a learning community.

Keys for Success (how to succeed in the course)

Follow assignment prompts and turn in your work on time. Be prepared when it comes time to present your work to the class.

Course Content Advisory

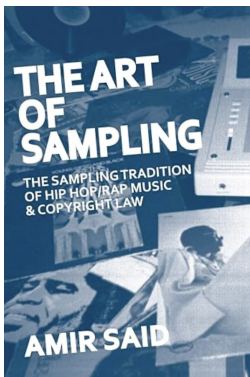This class has a high potential for instances of loud and jarring sounds.

Required Text or Materials

Title: The Art of Sampling: The Sampling Tradition of Hip Hop/Rap Music and Copyright Law Superchamp Books 2015 ISBN-13 : 978-0974970417 Creative Synthesizer Technique 2020 ISBN-13 :
ISBN: 978-1513465036
Authors: Adam Holzman
Publisher: Mel Bay

Title: The Art of Sampling
Subtitle: The Sampling Tradition of Hip Hop/Rap Music and Copyright Law
ISBN: 978-0974970417
Authors: Amir Said
Publisher: Superchamp Books
Publication Date: 2015

For more information on textbook accessibility, contact Accessibility & Disability Services at ads@slcc.edu.

Brief Description of Assignments/Exams

Assignments will be drawn from all 3 textbooks, and will involve 2nd-level applications of electronic music sound design. Exams will be drawn from the Holzman and Said texts.

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	Roll Call Attendance	Assignment	100
8/26/25	Assignment 1 : KVR Audio	Assignment	25
9/2/25	Assignment 2 : Subtractive Synthesis Exercise	Assignment	200
9/16/25	Assignment 3: Research Project	Assignment	400
9/18/25	Assignment 4: String Pad Exercise	Assignment	200
9/25/25	Assignment 5: Pitch Envelope Exercise	Assignment	225
9/30/25	Exam 1 - Creative Synthesizer Technique	Quiz	200
10/2/25	Assignment 6: Sampling - Loop Manipulation	Assignment	175
11/20/25	Assignment 13: Sound Design - Arpeggiation Exploration	Assignment	300

Due Date	Assignment Name	Assignment Type	Points
12/2/25	[Assignment 15: Sound Design - Manipulating General MIDI sounds](#)	Assignment	200

Grading Scale

93-100% = A 90-92% = A- 87-89% = B+ 83-86% = B 80-82% = B- 77-79% = C+ 73-76% = C 70-72% = C- 67-69% = D+ 63-66% = D 60-62% = D- 59% or less=E

How to Navigate to Canvas

Institutional Policies

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take

advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)