

Subject to Change

Daily Schedule

Updated: 11/18/23

Friday, Aug. 25 - A¹ *Getting Started*
Visit the MUSC 336 Blackboard course page (<https://blackboard.sc.edu>)
Assignment: Technology Survey (Due: Wed., Aug. 30, 11:59 pm)

1. Course & Studio Introduction

Mon., Aug. 28 *Course Introduction*
Reading: *Music and Computers* (Burk, et al. 2011)
Ch. 1 The Digital Representation of Sound, Part One: Sound and Timbre

Wed., Aug. 30 *Studio Introduction*
Reading: Studio B Policies

Fri., Sept. 1 - A **Assignments:** (Due: Wed., Sept. 6, noon)

- Quiz 1: Studio B Policies
- Listening Activity #1: *What is Computer Music?*

Mon., Sept. 4 LABOR DAY (NO CLASS)

2. Audio Editing & Transformation

Wed., Sept. 6 *Learning Audacity*

Fri., Sept. 8 - A **Assignments:** (Due: Wed., Sept. 11, noon)

- Quiz 2a: Burk, § 1.1 What is Sound?
- Quiz 2b: Burk, § 1.2: Amplitude & Loudness
- Listening Activity #2: *Music Concrète* vs. *Elektronische Musik*

Mon., Sept. 11 *Audio Editing & Transformation*
Reading: *Music and Computers* (Burk, et al. 2011)
Ch. 2 The Digital Representation of Sound, Part Two: Playing by the Numbers

Wed., Sept. 13 *Audio Editing & Transformation* (cont.)

Fri., Sept. 15 - A **Assignments:** (Due: Mon., Sept. 18, noon)

- Quiz 3a: § 1.3 Frequency, Pitch, and Intervals
- Quiz 3b: § 1.4 Timbre
- Listening Activity #3: *Early Tape Music*

Mon., Sept. 18 *Max Getting Started*
Reading: Max Getting Started, v4.5 (*Cycling '74* 2005)

Wed., Sept. 20 *Max & MIDI*

Fri., Sept. 22 - A **Assignments:** (Due: Mon., Sept. 25, noon)

- Quiz 4a: Ch. 2 The Digital Representation of Sound § 2.1-2.3
- Quiz 4b: Ch. 2 The Digital Representation of Sound § 2.4-2.8
- Listening Activity #4: *Spatial Music*

Audio Project Proposal (Due: Fri., Sept. 22, 11:59 pm)

¹ A – Asynchronous Assignment/Activity (see Blackboard).

Mon., Sept. 25	<i>Max Programming Concepts</i> Reading: <i>Introduction to Computer Music</i> (Haas 2021) <ul style="list-style-type: none">• § 3.1 MIDI Overview & History• § 3.2 MIDI Hardware Specification
Wed., Sept. 27	<i>MIDI Programming Concepts</i>
Fri., Sept. 29 - A	Assignments: (Due: Oct. 2, noon) <ul style="list-style-type: none">• Quiz 6: Max Getting Started• Listening Activity #5: <i>Analog & Digital Synthesizers</i>

Audio Project
(Due: Fri., Sept. 29, 11:59 pm)

Mon., Oct. 2	<i>Generative Music</i> Reading: Real-World Digital Audio: MIDI (Kirm 2006) <ul style="list-style-type: none">• How MIDI Models Performances• Adding Expressivity• Programs & Banks
Wed., Oct. 4	<i>Audio Project Discussions</i>
Fri., Oct. 6 - A	Assignments: (Due: Oct. 9, noon) <ul style="list-style-type: none">• Quiz 7: MIDI• Listening Activity #6: <i>Algorithmic Composition</i>
Mon., Oct. 9	<i>Musical Algorithms</i>
Wed., Oct. 11	<i>General MIDI</i>
Fri., Oct. 13 - A	Assignment <ul style="list-style-type: none">• Midterm Exam² (Due: Mon., Oct. 16, noon)
Mon., Oct. 16	<i>Encapsulation</i>
Wed., Oct. 18	<i>Applications</i>
Fri., Oct. 20 - A	<i>Fall Break</i> (no assignments)
Mon., Oct. 23	<i>Introduction to MSP</i> Reading: Max 8 Documentation (Cycling '74 2021) <ul style="list-style-type: none">• MSP: Introduction• How MSP Works
Wed., Oct. 25	<i>Beats</i>
Fri., Oct. 27 - A	Assignments: (Due: Oct. 30, noon) <ul style="list-style-type: none">• Quiz 9: Introduction to MSP• Listening Activity #7: <i>Process Music</i>

² The midterm exam will be posted in Blackboard on Wed., Oct. 11 at 3 pm.

BAIN MUSC 336
Introduction to Computer Music

Mon., Oct. 30	<i>Additive Synthesis</i> Reading: Max 8 Documentation (Cycling '74 2021) <ul style="list-style-type: none">• How Digital Audio Works
Wed., Nov. 1	<i>Fourier Theory</i>
Fri., Nov. 3 - A	Assignments: (Due: Nov. 6, noon) <ul style="list-style-type: none">• Listening Activity #8: <i>Sonification</i>
Mon., Nov. 6	<i>AM & FM Synthesis</i> Reading: How Digital Audio Works (cont.)
Wed., Nov. 8	<i>Project #2 Discussion Day</i>
Fri., Nov. 10 - A	Assignments: (Due: Nov. 13, noon) <ul style="list-style-type: none">• Quiz 10 How Digital Audio Works• Listening Activity #9: <i>Synthesis</i>
Mon., Nov. 13	<i>Subtractive Synthesis</i> Reading: <i>Music and Computers</i> (Burk, et al. 2021) Ch. 4 The Synthesis of Sound by Computer
Wed., Nov. 15	<i>MSP Wrap-up Day</i>
Fri., Nov. 17 - A	Assignment: (Due: Nov. 20, noon) <ul style="list-style-type: none">• Quiz 11a-c: Music & Computers, Ch. 4 – Part 1• Listening Activity #10: <i>Real-Time Interactive Performance</i>
Mon., Nov. 20	<i>Sequencing</i>
Wed., Nov. 22 Fri., Nov. 24	THANKSGIVING BREAK
Mon., Nov. 27	<i>Learning Sequencing</i> Reading: <i>Introduction to Computer Music</i> (Haas 2021) <ul style="list-style-type: none">• § 2.4 Mixing Consoles & § 2.5 Signal Processing: Effects
Wed., Nov. 29	<i>Step Sequencing</i>
Fri., Dec. 1 - A	Assignment: (Due: Dec. 1, noon) <ul style="list-style-type: none">• Quiz 11d-f: Music & Computers, Ch. 4 – Part 2• Listening Activity #11: <i>Laptop Music, Mobile Phone Music, Live Coding & Site-Specific Music</i>
Mon., Dec. 4	<i>Working with Instruments</i>
Wed., Dec. 6	<i>Effects, Mixing & Mastering</i>

Project #3 Proposal – Due: Mon., Dec. 4, 11:59 pm

Project #3: Sequencing, Synthesis, or RTI

Due: Wed., Dec. 13, 11:59 pm

FINAL EXAM (ONLINE)

Posted: Mon., Dec. 11, 6 am; Due: Fri., Dec. 15, 11:59 pm