

Subject to Change

Daily Schedule

Updated: 11/15/25

1. Course & Studio Introduction

WEEK 1

Wed., Aug. 20 *Course Introduction*

Fri, Aug. 22 - A¹ **Assignments:** (Due: Mon., Aug. 25, noon)

- Technology Survey
- Activity #1: *What is Computer Music?*

WEEK 2

Mon., Aug. 25 *Studio Introduction*

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

2. Audio Editing & Transformation

Wed., Aug. 27 *Learning Audacity*

Fri., Aug. 29 - A **Assignments:** (Due: Wed., Sept. 3, noon)

- Quiz 1a: Music and Computers, 1.1
- Quiz 1b: Music and Computers, 1.2
- Activity #2: *Music Concrète vs. Elektronische Musik*

WEEK 3

Mon., Sept. 1 LABOR DAY (NO CLASS)

Wed., Sept. 3 *Audio Editing & Transformation*

Fri., Sept. 5 - A **Assignments:** (Due: Mon., Sept. 8, noon)

- Quiz 2a: Music and Computers, 1.3
- Quiz 2b: Music and Computers, 1.4
- Activity #3: *Early Tape Music*

WEEK 4

Mon., Sept. 8 *Audio Editing & Transformation (cont.)*

Reading: *Music and Computers* (Burk, et al. 2011):
Ch. 2 The Digital Representation of Sound, Part Two: Playing by the Numbers

3. Interactive Music Programming & MIDI

Wed., Sept. 10 *Learning Max*

Fri., Sept. 12 - A **Assignments:** (Due: Mon., Sept. 15, noon)

- Quiz 3a: Music and Computers, 2.1-2.3
- Quiz 3b: Music and Computers, 2.4-2.8
- Activity #4: *Spatial Music*

¹ A – Asynchronous Day.

WEEK 5	
Mon., Sept. 15	<i>Max Getting Started</i> Reading: Max Getting Started (Cycling '74 2005)
Wed., Sept. 17	<i>Learning MIDI</i>
Fri., Sept. 19 - A	Assignments: (Due: Mon., Sept. 22, noon) <ul style="list-style-type: none">• Quiz 4: <i>Max Getting Started</i>• Activity #5: <i>Analog & Digital Synthesizers</i> <hr/> <p>Audio Project Proposal (Due: Fri., Sept. 19, 11:59 pm)</p> <hr/>
WEEK 6	
Mon., Sept. 22	<i>Algorithmic Composition</i>
Wed., Sept. 24	Reading: Jeffrey Hass, <i>Introduction to Computer Music</i> (Hass 2025) <ul style="list-style-type: none">• 3.1 MIDI Overview and History• 3.2 MIDI Hardware Specification• 3.9 Non-code MIDI Extensions
Fri., Sept. 26 - A	Assignments: (Due: Mon., Sept. 29, noon) <ul style="list-style-type: none">• Quiz 5: MIDI• Activity #6: <i>Algorithmic, Ambient, and Acousmatic Music</i> <hr/> <p>Audio Project Due: Fri., Sept. 26, 11:59 pm</p> <hr/>
WEEK 7	
Mon., Sept. 29	<i>Generative Music</i>
Wed., Oct. 1	<i>Interactive Music</i>
Fri., Oct. 3 - A	Assignments: (Due: Mon., Oct. 6, noon) <ul style="list-style-type: none">• MIDTERM EXAM
WEEK 8	
Mon., Oct. 6	<i>Audio Project Discussion Day</i>
Wed., Oct. 8	<i>Project 2 Launch Day</i>
Fri., Oct. 10 - A	<i>Fall Break</i>

4. Real-Time Digital Audio

WEEK 9	
Mon., Oct. 13	<i>Introduction to MSP</i> Reading: Max 9 Documentation (Cycling '74 2025) <ul style="list-style-type: none">• MSP: Introduction• How MSP Works
Wed., Oct. 15	<i>Beats</i>
Fri., Oct. 17 - A	Assignments: (Due: Mon., Oct. 20, noon) <ul style="list-style-type: none">• Quiz 6: Introduction to MSP• Activity #7: <i>Process Music</i>

5. Synthesis

WEEK 10

Mon., Oct. 20

Additive Synthesis

Reading: Max 9 Documentation (Cycling '74 2025)

- How Digital Audio Works

Wed., Oct. 22

Fourier Theory

Fri., Oct. 24 - A

Assignments: (Due: Mon., Oct. 27, noon)

- Quiz 7: How Digital Audio Works
- Activity #8: *Sonification*

WEEK 11

Mon., Oct. 27

Amplitude Modulation

Reading: *Music and Computers* (Burk, et al. 2011):

Ch. 4 The Synthesis of Sound by Computer, 4.1-4.2

Wed., Oct. 29

FM Synthesis

Fri., Oct. 31 - A

Assignments: (Due: Mon., Nov. 3, noon)

- Quiz 8a: Music and Computers, 4.1
- Quiz 8b: Music and Computers, 4.2
- Activity #9: *Synthesis*

Programming Project Proposal (Due: Fri., Sept. 31, 11:59 pm)

WEEK 12

Mon., Nov. 3

Subtractive Synthesis

Reading: *Music and Computers* (Burk, et al. 2011):

Ch. 4 The Synthesis of Sound by Computer, 4.3-4.5

Wed., Nov. 5

MSP Wrap-up Day

Fri., Nov. 7 - A

Assignments: (Due: Mon., Nov. 10, noon)

- Quiz 9: Music and Computers, 4.3 Filters
- Activity #10: Theory & Perception – *Optional*

Programming Project

Due: Fri., Nov. 7, 11:59 pm

6. Sequencing

WEEK 13

Mon., Nov. 10

Introduction to Reason

Reading: *Music and Computers* (Burk, et al. 2011):

Ch. 4 The Synthesis of Sound by Computer, 4.6-4.9

Wed., Nov. 12

Step Sequencing

Fri., Nov. 14 - A

Assignments: (Due: Mon., Nov. 17, noon)

- Quiz 10: Music and Computers, 4.4-4.9
- Activity #11: Real-Time Interactive Performance

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WEEK 14	
Mon., Nov. 17	<i>Introduction to Reason</i> Reading: <i>Music and Computers</i> (Burk, et al. 2011): Ch. 5 The Transformation of Sound by Computer, 5.1-5.3
Wed., Nov. 19	<i>Programming Project Discussion Day</i>
Fri., Nov. 21 - A	Assignments: (Due: Wed., Dec. 3, noon) <ul style="list-style-type: none">• Activity #12: Laptop Music, Mobile Phone Music, Live Coding & Site Specific Music
WEEK 15	
	THANKSGIVING BREAK
WEEK 16	
Mon., Dec. 1	<i>Effects, Mixing & Mastering</i> Reading: <i>Music and Computers</i> (Burk, et al. 2011): Ch. 5 The Transformation of Sound by Computer, 5.4-5.7
Wed., Dec. 3	<i>Advanced Topics</i>
Fri., Dec. 5 - A	Assignments:
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Sequencing (or Free Choice) Project Proposal (Due: Fri., Dec. 5, 11:59 pm)	
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FINAL EXAM² (Due: Fri., Dec. 12, noon)	
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Sequencing (or Free Choice) Project (Due: Fri., Dec. 12, 11:59 pm)	
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² The Final Exam will be posted in Blackboard on Mon., Dec. 8. The Final Exam is due Fri., Dec. 12, at noon.