

Subject to Change

Daily Schedule

Updated: 2/29/24

Course Blackboard page (<https://blackboard.sc.edu>)

Required Textbook:

Gann, Kyle. 2019. *The Arithmetic of Listening: Tuning Theory and History for the Impractical Musician*.
Urbana, IL: University of Illinois Press.

1. The Harmonic Series (Ch. 1-2)

WEEK 1

Mon., Jan. 8 *Course Introduction*
Reading: Gann Ch. 1 The Cosmic Joke; and Ch. 2 The Harmonic Series

Wed., Jan. 10 *String Length & Pitch Interval; The Harmonic Series*

Fri., Jan. 12 - A **Assignments/Activities:** (Due Wed., Jan. 17, 10:50 am)
• Quiz 1a: Gann Ch. 1 – Part 1
• Activity #1: Music & Number

WEEK 2

Mon., Jan. 15 Dr. Martin Luther King, Jr. Service Day (NO CLASS)

Wed., Jan. 17 *The Harmonic Series (cont.)*

Fri., Jan. 19 - A **Assignments/Activities:** (Due Mon., Jan. 22, 10:50 am)
• Quiz 1b: Gann Ch. 1 – Part 2
• Activity #2: The Harmonic Series
• Quiz 2: Gann Ch. 2

2. Generating Scales (Ch. 3)

WEEK 3

Mon., Jan. 22 Generating Scales
Reading: Gann Ch. 3 Generating Scales

Wed., Jan. 24 *Ancient Greek Scales*

Fri., Jan. 26 - A **Assignments/Activities:** (Due Mon., Jan. 29, 10:50 am)
• Quiz 3: Gann Ch. 3
• Activity #3: Ancient Greek Music

3. Pythagorean Tuning (Ch. 4)

WEEK 4

Mon., Jan. 29 *The Pythagorean Scale*
Reading: Gann Ch. 4 The Pythagorean Scale

Wed., Jan. 31 *The Pythagorean Scale (cont.)*

Fri., Feb. 2 - A **Assignments/Activities:** (Due Mon., Feb. 5, 10:50 am)
• Quiz 4a: The Pythagorean Scale
• Quiz 4b: Pythagorean Intervals (Ratios)
• Quiz 4c: Pythagorean Intervals (Cents)
• Activity #4: The Harmony of the Spheres

4. Just Intonation (Ch. 5)

WEEK 5

Mon., Feb. 5 *The Just (5-limit) Scale (cont.)*
Reading: Gann Ch. 5 The Five Limit, the Second Dimension

Wed., Feb. 7 *The Just (5-limit) Scale (cont.)*

Fri., Feb. 9 - A **Assignments/Activities:** (Due Mon., Feb. 12, 10:50 am)

- Quiz 5a: The Five Limit
- Quiz 5b: Just (5-limit) Intervals (Ratios)
- Quiz 5c: Just (5-limit) Intervals (Cents)
- Activity #5: Making Sound Visible

5. Meantone Temperament (Ch. 6)

WEEK 6

Mon., Feb. 12 *Meantone Temperament*
Reading: Gann Ch. 6 Meantone Temperament and the Primacy of Thirds

Wed., Feb. 14 *Meantone Temperament (cont.)*

Fri., Feb. 16 - A **Assignments/Activities:** (Due Mon., Feb. 19, 10:50 am)

- Quiz 6a: Meantone Temperament
- Quiz 6b: Meantone Comma Calculations
- Quiz 6c: $\frac{1}{4}$ -Comma Meantone Intervals
- Activity #6: Perspective

6. Equal Temperament (Ch. 8)

WEEK 7

Mon., Feb. 19 *Equal Temperament*
Reading: Gann Ch. 8 Twelve-Step Equal Temperament

Wed., Feb. 21 *Equal Temperament (cont.)*

Fri., Feb. 23 - A **Assignments/Activities:** (Due Mon., Feb. 26, 10:50 am)

- MIDTERM EXAM

7. Well Temperament (Ch. 7)

WEEK 8

Mon., Feb. 26 *Well Temperament*
Reading: Gann Ch. 7 Well Temperament

Wed., Feb. 28 *Well Temperament (cont.)*

Fri., March 1 - A **Assignments/Activities:**

- Teaching Demo Proposal (Due Fri., March 1, 11:59 pm)
- Activity #7: Historical Temperaments (optional)

WEEK 9 SPRING BREAK

8. Extended Just Intonation (Ch. 9-11)

WEEK 10

Mon., March 11

The Seven Limit

Reading: Gann Ch. 9 The Seven Limit, pp. 109-117

Wed., March 13

The Eleven Limit

Reading: Gann Ch. 10 The Eleven Limit and The Fourth Dimension, pp. 138-140

WEEK 11

Mon., March 18

The Temperament Wars, from Pythagoras to Bach

Guest Speaker: Stephen Ackert

Wed., March 20

The Thirteen Limit and Beyond

Reading: Gann Ch. 11 The Thirteen Limit and Beyond, pp. 148-158

WEEK 12

Mon., March 25

Teaching Demo Presentations: Day 1

Wed., March 27

Teaching Demo Presentations: Day 2