Subject to Change Daily Schedule Updated: 4/19/24

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)
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Mon., Jan. 8	<i>Course Introduction</i> 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 - <i>A</i>	 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 Sca	les (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 T	uning (Ch. 4)

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WEEK 4 Mon., Jan. 29	<i>The Pythagorean Scale</i> Reading : Gann Ch. 4 The Pythagorean Scale	
Wed., Jan. 31	The Pythagorean Scale (cont.)	
Fri., Feb. 2 - <i>A</i>	 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	<i>Meantone Temperament</i> Reading : Gann Ch. 6 Meantone Temperament and the Primacy of Thirds
Wed., Feb. 14	Meantone Temperament (cont.)
Fri., Feb. 16 - <i>A</i>	 Assignments/Activities: (Due Mon., Feb. 19, 10:50 am) Quiz 6a: Meantone Temperament Quiz 6b: Meantone Comma Calculations Quiz 6c: ¼-Comma Meantone Intervals Activity #6: Perspective
6. Equal Tempera	ament (Ch. 8)
WEEK 7	
Mon Feb 19	Faual Tamparament

Mon., Feb. 19	<i>Equal Temperament</i> 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 (Ch. 1-6 & 8)¹

7. Well Temperament (Ch. 7)

WEEK 8 Mon., Feb. 26	<i>Well Temperament</i> Reading : Gann Ch. 7 Well Temperament	
Wed., Feb. 28	Well Temperament (cont.)	
Fri., March 1 – A	 Assignments/Activities: Activity #7: Historical Temperaments (optional) Teaching Demo Proposal (Due Fri., March 1, 11:59 pm) 	
WEEK 9	SPRING BREAK	

¹ The online Midterm Exam will be posted on Wed., Feb. 21.

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; Interlude F, pp. 125-131.
	Reading . Gain Ch. 7 The Seven Linne, pp. 109-117, include 1, pp. 125-151.
W. 1 M. 11	
Wed., March 13	The Eleven Limit
	Reading: Gann Ch. 10 The Eleven Limit and The Fourth Dimension, pp. 138-140;
	Interlude H, pp. 141-147.
	Revised Teaching Demo Proposal (Due Fri., March 15, 11:59 pm)
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Fri., March 15 - <i>A</i>	Assignments/Activities: (Due Mon., March 18, 10:50 am)
111., March 15 - A	
	• Quiz 7: Gann Ch. 7
	• Activity #8: Just Intonation in the Renaissance
Week 11	
Mon., March 18	Guest Speaker: Stephen Ackert
	The Temperament Wars, from Pythagoras to Bach
	The Temperament wars, from Tyinagoras to Bach
Wed Manah 20	The Thirds on I init and Derrord
Wed., March 20	The Thirteen Limit and Beyond
	Reading: Gann Ch. 11 The Thirteen Limit and Beyond, pp. 148-158
Fri., March 22 - A	Assignments/Activities: (Due Mon., March 25, 10:50 am)
	• Quiz 8: Gann Ch. 9
WEEK 12	
Mon., March 25	Teaching Demo Presentations: Day 1
WIGHT, WIATCH 25	Teaching Denio Tresentations. Day T
W. 1 M. 1. 07	T. I. D. D. D. D. D. 2
Wed., March 27	Teaching Demo Presentations: Day 2
	Upload a pdf copy of your Teaching Demo Handout into Blackboard
	for grading (Due: Fri., March 29, 11:59 pm)
Fri., March 29 - A	Assignments/Activities: (Due Mon., April 1, 10:50 am)
	• Quiz 9: Gann Ch. 10-11
	• Activity #9: Just Intonation in the Twentieth Century

9. Equal Divisions of the Octave (Ch. 12-13)

WEEK 13	
Mon., April 1	Teaching Demo Discussion Day; Final Project Discussion
Wed., April 3	<i>Twelve-Based Equal Temperaments</i> Reading : Gann Ch. 13 Twelve-Based Equal Temperaments, pp. 205-230
Fri., April 5 - A	 Assignments/Activities: (Due Mon., April 8, 10:50 am) Quiz 10: Gann Ch. 13 Activity #10 Isomorphic Keyboards

Final Project Proposal (Due Fri., April 5, 11:59 pm)

WEEK 14 Mon., April 8	Non-Twelve-Divisible Based Equal Temperaments Reading : Gann Ch. 12 Non-Twelve-Divisible Equal Temperaments (selected), pp. 174-177, 185-186, and Interlude L, pp. 199-204.
Wed., April 10	Other Interesting Topics
Fri., April 12 - A	Assignments/Activities: (Due Mon., April 15, 10:50 am) • Quiz 11: Gann Ch. 12
	Revised Final Project Proposal (Due Fri., April 12, 11:59 pm)
WEEK 15 Mon., April 15	Final Project Presentations: Day 1
Wed., April 17	Final Project Presentations: Day 2
Fri., April 19 - <i>A</i>	 Assignments/Activities: (Due Mon., April 22, 10:50 am) Quiz 12: EDO Interval Calculations (n/k) Activity #11 Jacob Collier's Use of Microtonality
WEEK 16 Mon., April 22	Final Project Presentations: Day 3
	Upload your project files into the <i>Final Project</i> Blackboard assignment (Due: Mon., April 22, 11:59 pm)
	FINAL EXAM (Ch. 7-13) ² Due: Mon., April 29, 11:59 pm

² The online Final Exam will be posted on Wed., April 24.