

MUS 313 Auditory Theory: Applied Tuning Systems

Steven M. Miller

Semester Schedule

<u>Week</u>	<u>Date</u>	<u>Topic</u>
1	1/17	Introduction, syllabus, listening
	1/19	The Harmonic Series and an Introduction to Tuning Theory
2	1/24	Brief Review of Acoustics and Psychoacoustics 1
	1/26	Brief Review of Acoustics and Psychoacoustics 2
3	1/31	The Language of Intonation: Ratios, cents, logarithms 1
	2/2	The Language of Intonation: Ratios, cents, logarithms 2
4	2/7	Introduction to <i>Scala</i> 1
	2/9	Introduction to <i>Scala</i> 2
5	2/14	An Overview of Intervals and Scales
	2/16	'Consonance,' 'Dissonance,' and Scales
6	2/21	Historical Tuning Systems 1
	2/23	Historical Tuning Systems 2
7	2/28	Just Intonation 1
	3/2	Just Intonation 2
8	3/7	N-tet: Equal Temperaments 1
	3/9	N-tet: Equal Temperaments 2 – Midterm papers due
9	3/14	Spring Break
	3/16	Spring Break
10	3/21	Timbre & Tuning 1
	3/23	Timbre & Tuning 2
11	3/28	Student Presentations – Composers 1
	3/30	Student Presentations – Composers 2
12	4/4	Dynamic Tuning 1
	4/6	Dynamic Tuning 2
13	4/11	Student Presentations – Tuning/Scale 1
	4/13	Student Presentations – Tuning/Scale 2
14	4/18	Non-Rational Tunings
	4/20	Notational Issues

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| 15 | 4/25 | Acoustic Instruments |
| | 4/27 | MIDI/Electronic & Computer Instruments |
| 16 | 5/2 | Student Presentations – Final Compositions 1 |
| | 5/4 | Student Presentations – Final Compositions 2 |
| 17 | 5/9 | Final Projects Due by Noon |