Music Department Columbia University Ear Training Curriculum, Fall 2012 Sing and Play at the Piano "Face the Music"

Students are required to perform at the keyboard simultaneously singing and playing exercises in each of the following categories:

Scales

Intervals

Triads/Arpeggios

Seventh Chords

Melodies

Duets (ET II - VI)

Chorales(ET II- VI)

Faculty show students <u>how to practice</u> sing and play exercises, emphasizing the techniques outlined for each subject in each ET level. The material closely follows the material included in the theory curriculum.

Sing and play exercises simultaneously address issues of sight reading/singing, intonation, keyboard proficiency, theory, and performance.

Faculty will use sing and play exercises to count toward students' grades. Specific exercises will be recommended.

Contents:

2
16
37
71
94

Introduction to Ear Training "Sing and Play"

Scales	pp. 3-7
Major	
Natural/Harmonic/Melodic Minor	
In Unison, Harmonized Canonically	
Harmonized in Thirds and Sixths	
Lower and Upper Tetra-Chord 'White-Note' Scales	
Intervals	pp. 8-11
Sing and Play Technique for Intervals I	• •
Sing and Play Technique for Intervals II	
Triads/Arpeggios	pp. 12-14
Sing and Play Technique for Triads	
Sing and Play Technique for Arpeggios	
Melody	p.15
Unmetered Melodies	•

Scales

Play all major and minor scales up and down, and sing simultaneously using solfege

Play with right hand, sing

Play with left hand, sing

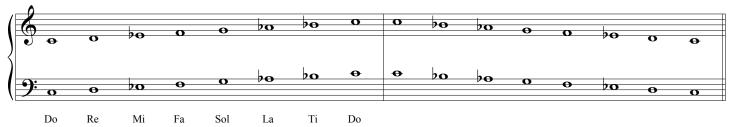
Play with both hands, sing

Piano fingerings are preferred, but not required.

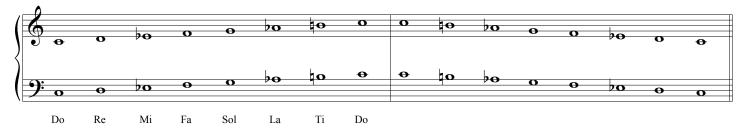
1. Major

	0	0	O	O	0	4	5	0	0	0	0	0	0	0	•
RH 1 LH 5	2	3	2	1	3	2	1	0	0						
Do	Re	Mi	Fa	Sol	La	Ti	Do				0	0	0	0	0

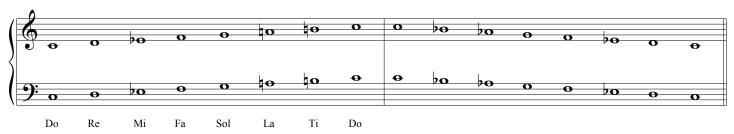
2. Natural Minor



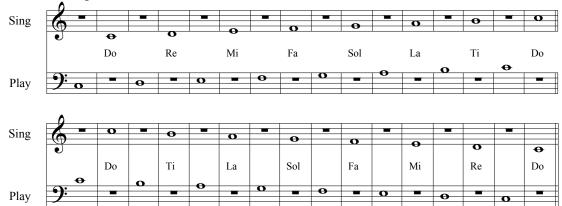
3. Harmonic Minor



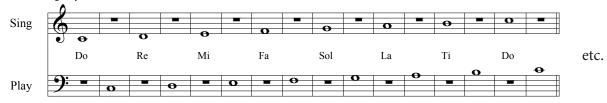
4. Melodic Minor



5. Play first, then sing.

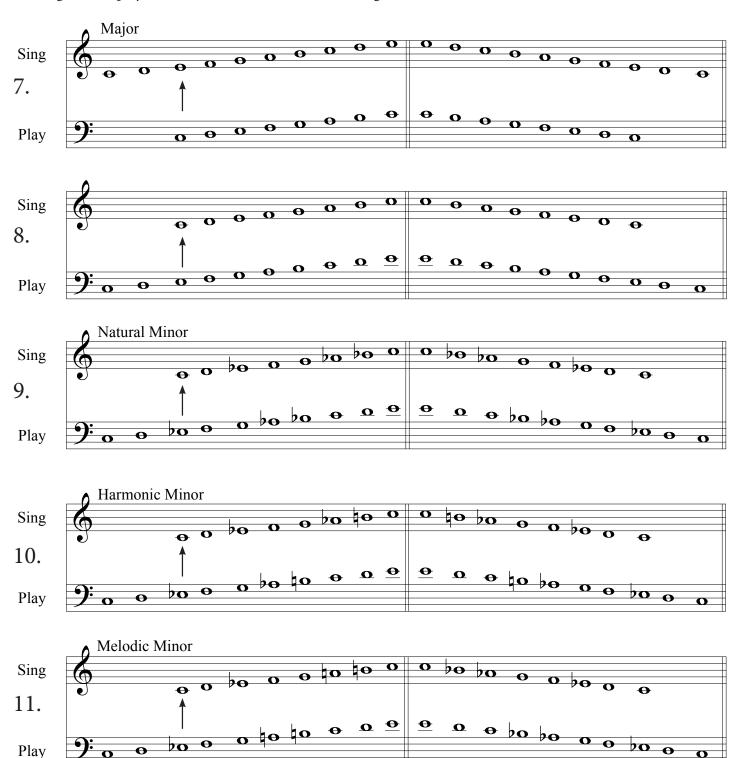


6. Sing first, then play.

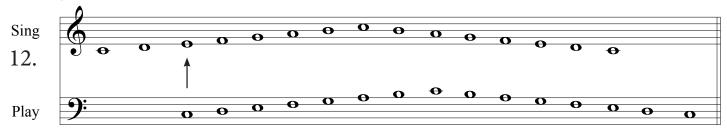


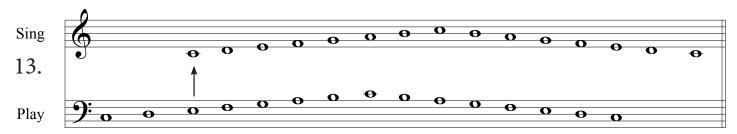
Harmonized Vocal Scales

Play from tonic, sing from tonic when scale reaches 3rd scale degree First right hand plays, then left hand, then both hands together

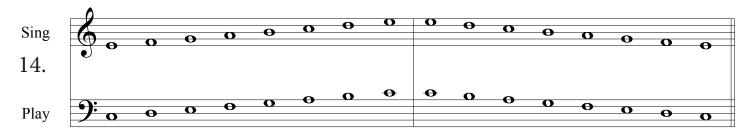


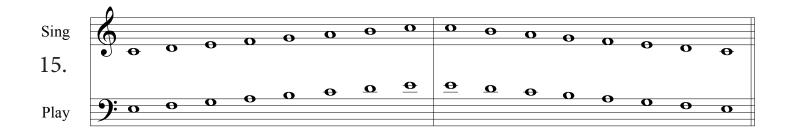
Sing and play overlapping scales. Note the different interval relationships that result in the ascending and descending direction.





Play the scale, sing a third above Play the scale, sing a sixth below





16. Tetrachords





Use the same process for the "white-note" scales.

Play then Sing, ascending

Play then Sing, descending

Sing then Play, ascending

Sing then Play, descending







Switch Right Hand, Left Hand, Both Hands

Play every note and sing

Play every other note and sing

Play fewer and fewer notes until singing a capella

17. Sing and Play Technique for Intervals

Susser

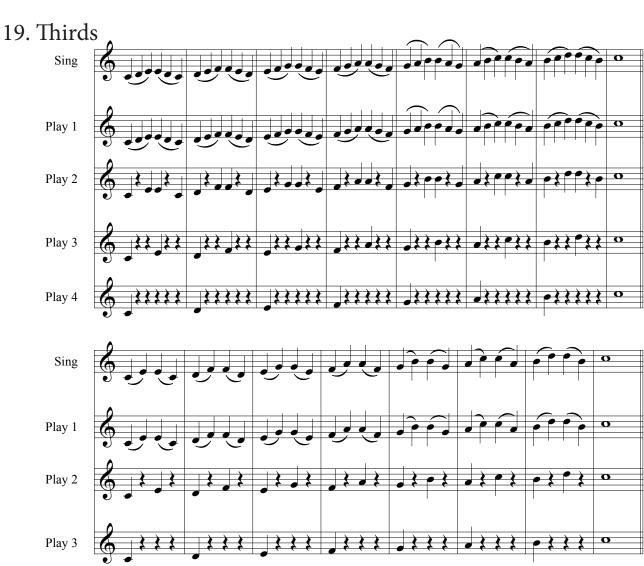


Sing and PlayTechnique for Intervals II

Susser

18. Seconds



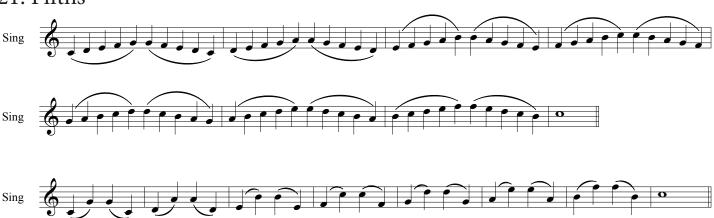


20. Fourths

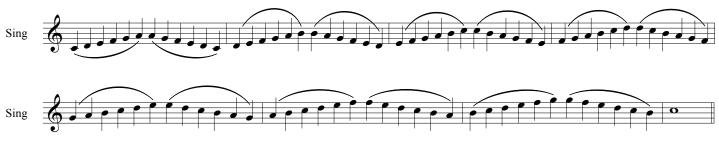


Practice the following in a similar manner, reducing and altering what you play.

21. Fifths

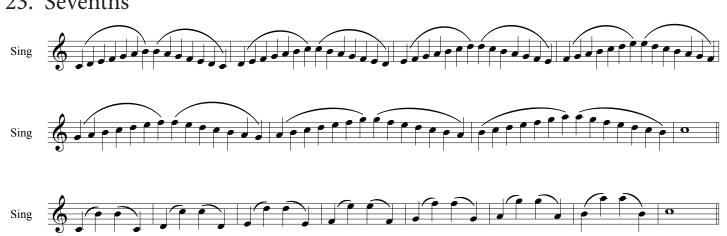


22. Sixths



Sing Sing

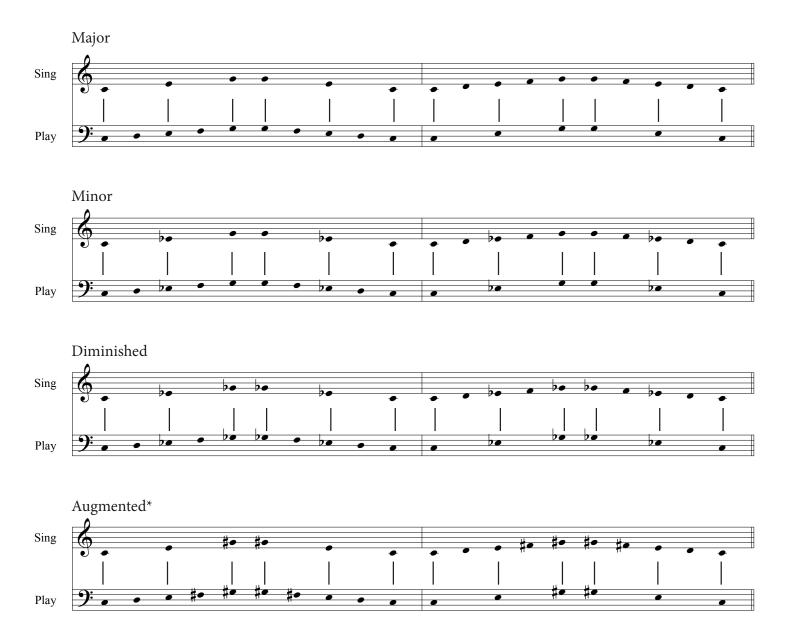
23. Sevenths



24. Octaves



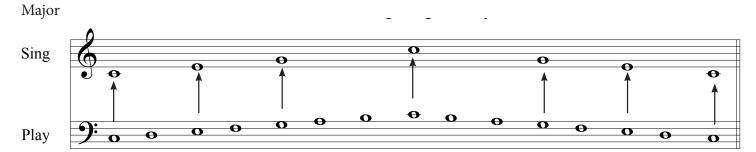
25. Scale Technique for Triads

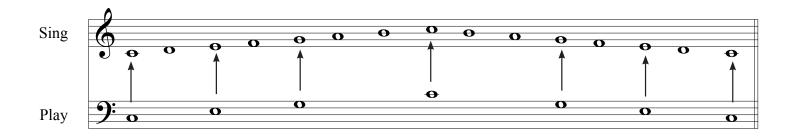


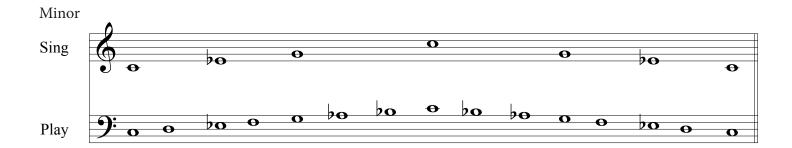
^{*}Note the use of f#

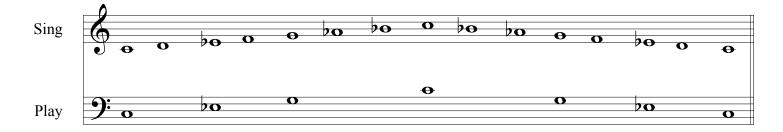
26. Sing and Play Technique for Arpeggios Play and sing as directed.

Susser



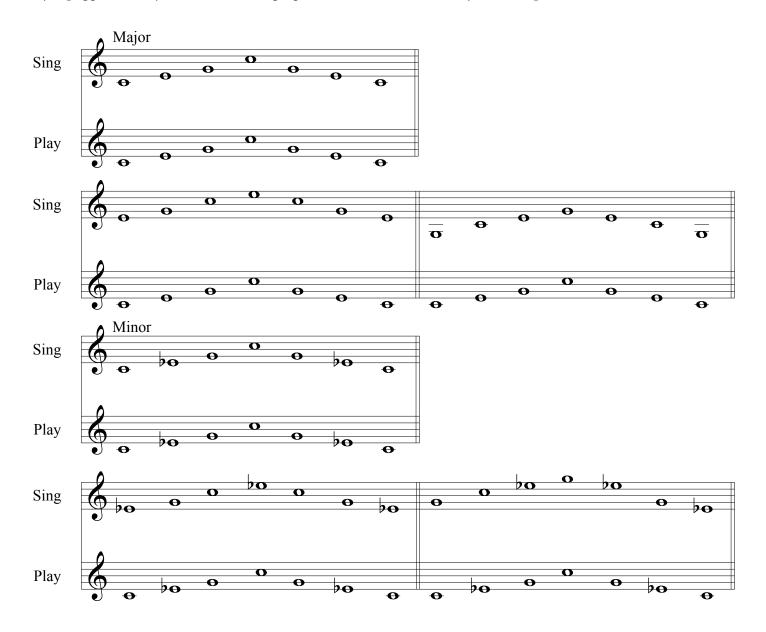






27. Arpeggio

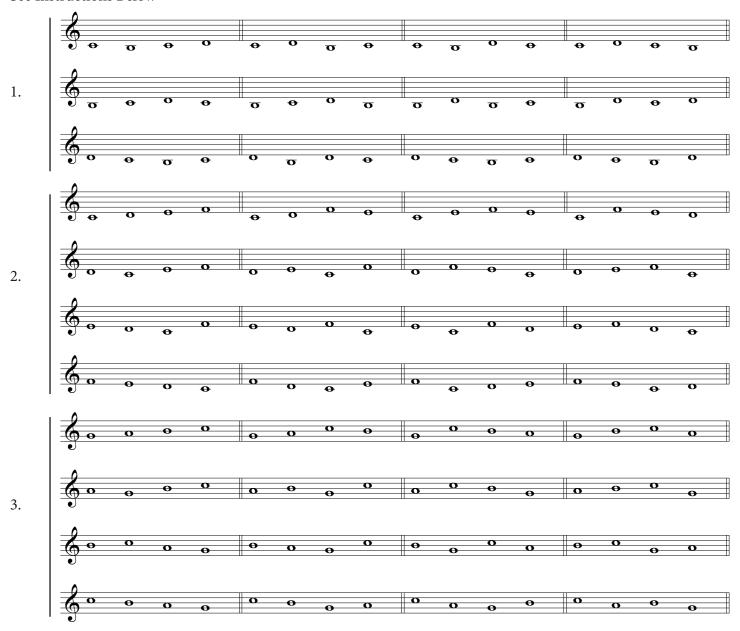
Play arpeggios in Major and Minor, singing in unison, and in harmony with the piano.



Susser

28. Unmetered Melodies

See Instructions Below



Sing and play each measure <u>separately.</u>
Switch right hand, left hand, both hands
Play every note and sing
Play every other note and sing
Play fewer and fewer notes until singing all four notes a capella

Ear	Training	I

"Sing	and	Play"
-------	-----	-------

Scales pp. 17-18 Chromatic Pentatonic Whole Tone All Sing in Unison, Thirds, Sixths pp. 19-21 Intervals Melodic Intervals: Seconds, Thirds, Fourths, Fifths Harmonic Intervals pp. 22-24 Triads/Arpeggios Broken Major, Minor Augmented, Diminished Sing in unison, in harmony, canonically See Sing and Play Technique for Arpeggios, Intro ET Seventh Chords pp. 25-26 The Dominant Seventh Chord Melodies pp. 27-36 Unmetered Melodies

Simple Melodies- One Note Per Measure Metered Melodic Contours in Scale Format

1. Scales

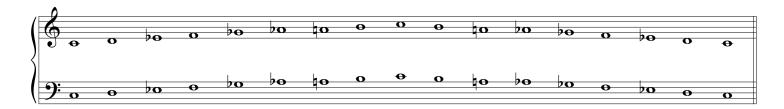
Sing and play the chromatic, pentatonic and whole-tone scales below.

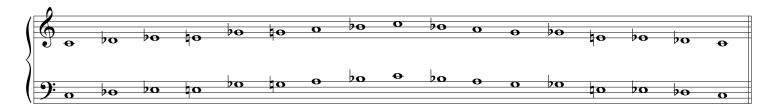
Play Right Hand, Sing

Play Left Hand, Sing

Play Both Hands, Sing





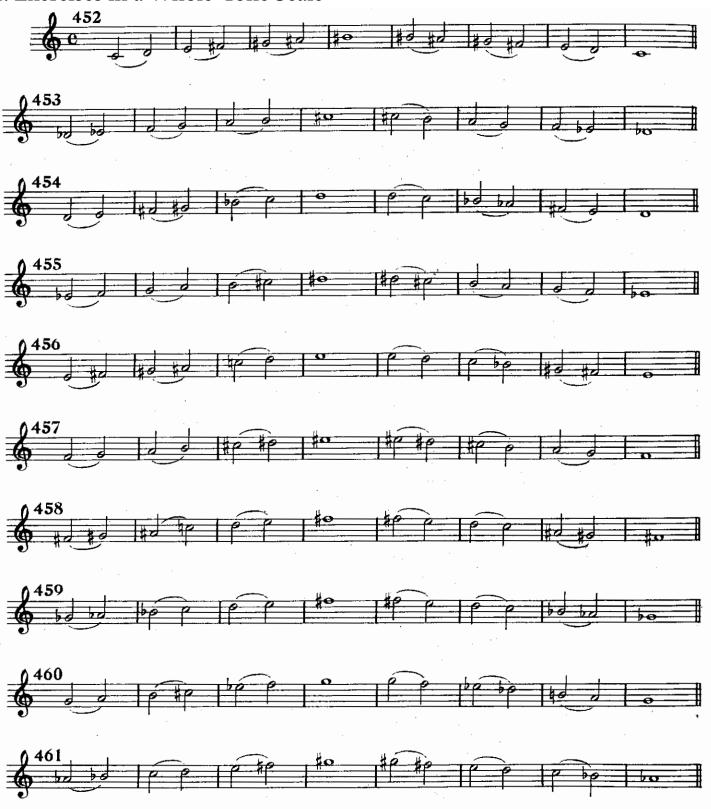


Switching right hand, left hand, both hands, sing the following:

a major third above the scale a major third below the scale a minor third above the scale a minor third below the scale a major sixth above the scale a major sixth below the scale a minor sixth above the scale a minor sixth below the scale

Falk

2. Exercises in a Whole-Tone Scale



Play fewer and fewer notes until singing a capella Switching right hand, left hand, both hands Play every note and sing Play every other note and sing Switching right hand, left hand, both hands Play every note and sing Play every other note and sing

3. Major and Minor Seconds

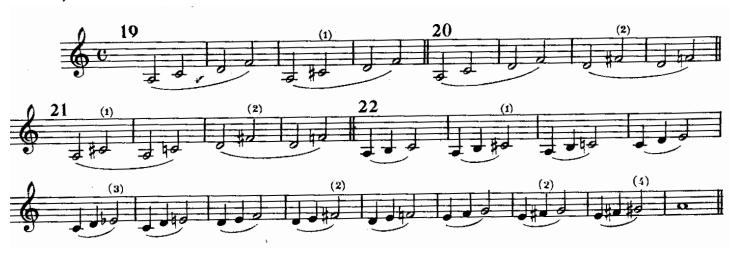
Falk

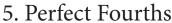


Play fewer and fewer notes until singing a capella

4. Major and Minor Thirds

Falk



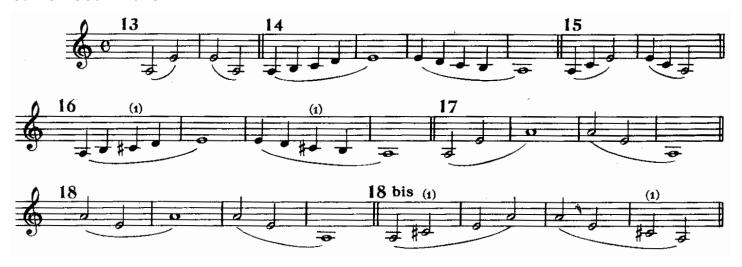






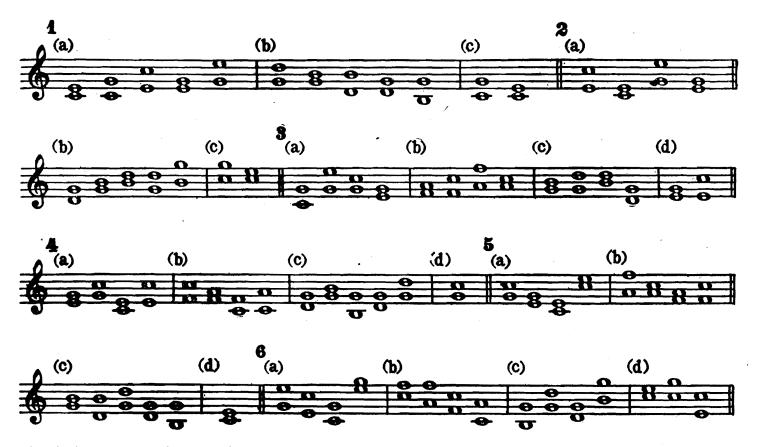






7. Harmonic Intervals

Wedge



Play the bottom note, <u>then</u> sing the top note Play the top note, <u>then</u> sing the bottom note Play the bottom note and sing the top note together Play the top note and sing the bottom note together

Triads

Switching right hand, left hand, both hands Play every note and sing Play every other note and sing Play fewer and fewer notes until singing a capella

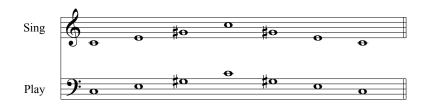
8. Broken Major and Minor Triads

Falk

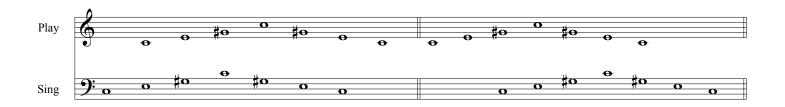


Additionally, play and sing diminished and augmented arpeggios in unison, and in harmony with the piano.

9. Augmented Arpeggios

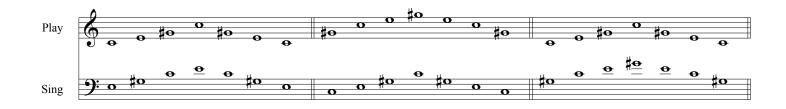




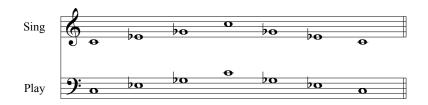


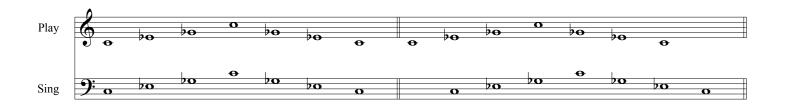




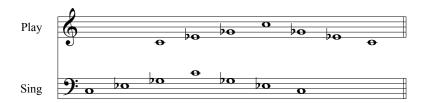


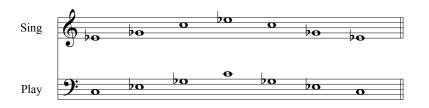
10. Diminished Arpeggios

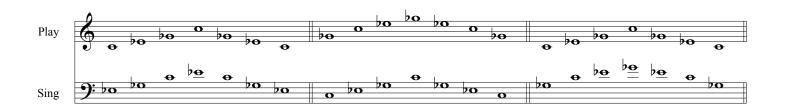












11. Dominant Seventh Chord

Instructions below for all V⁷ examples.





Play and sing as above

Then play all four notes, then sing all four notes a capella

Then reverse, sing all four notes a capella, then play











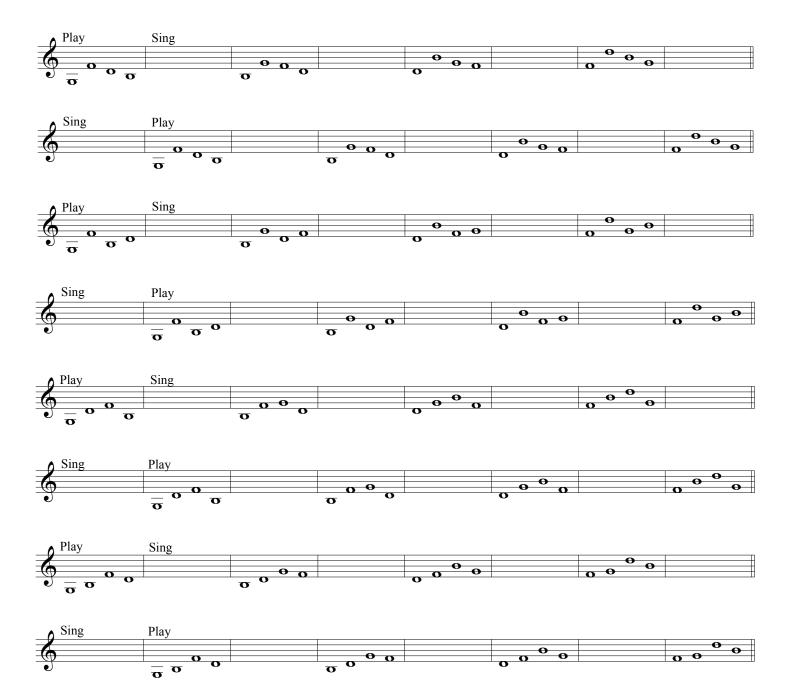


Switching right hand, left hand, both hands,

Play every note and sing

Play every other note and sing

Play fewer and fewer notes until singing a capella

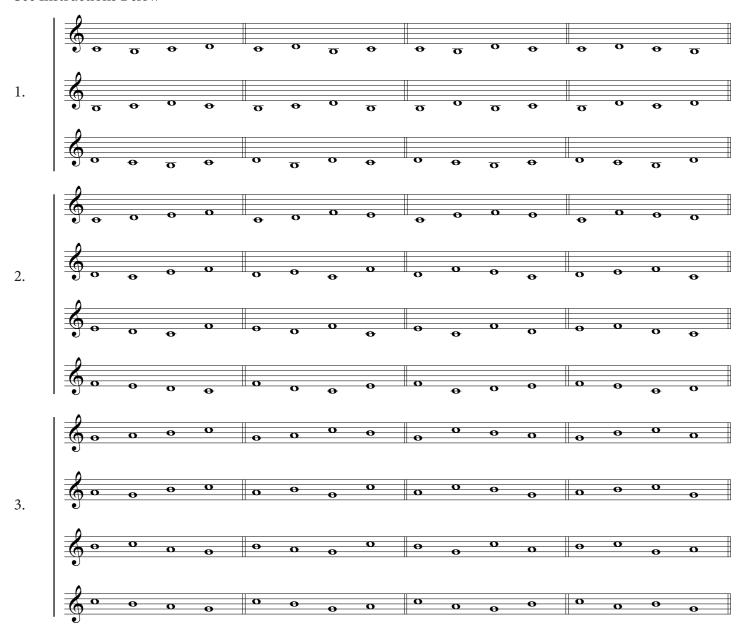


Play every note and sing Play every other note and sing Play fewer and fewer notes until singing a capella



13. Unmetered Melodies

See Instructions Below



Practice exercise <u>continuously</u>, playing through the measure lines Switch Right Hand, Left Hand, Both Hands

Play every note and sing

Play every other note and sing

Play fewer and fewer notes until singing all four notes a capella

14. Simple Melodies- One/Two notes per measure See instructions below







Switching right hand, left hand, both hands Play every note and sing Play every other note and sing Play fewer and fewer notes until singing a capella

24. Metered Melodic Contours in Scale Format

Susser

Play the downbeat of each measure, sing the rest



(24.) Metered Melodic Contours in Scale Format (cont.)

Susser

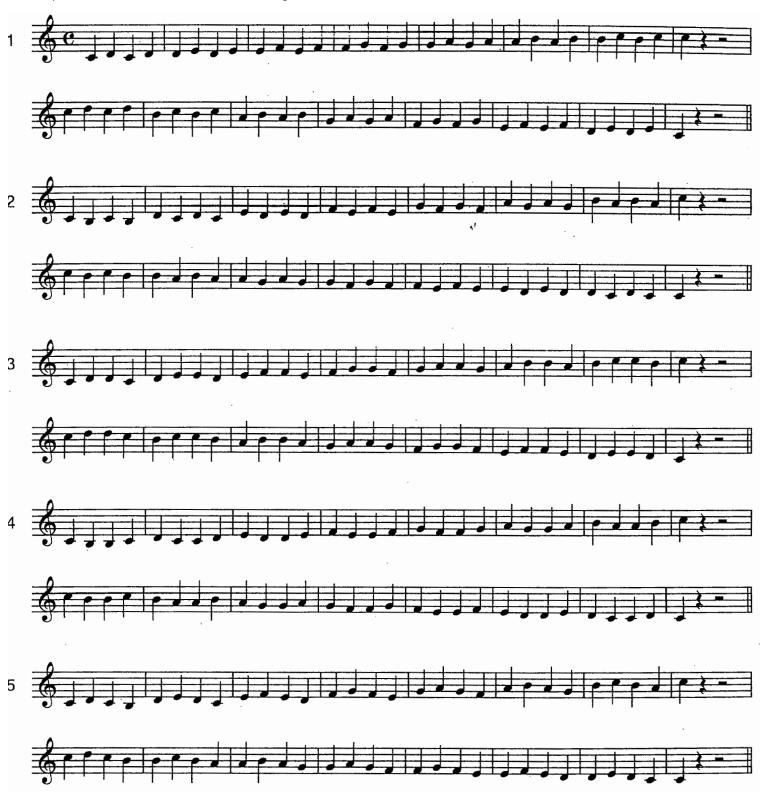


Ear Training I "Face the Music" - Melodies 33 (24.) Metered Melodic Contours in Scale Format (cont.) Susser Play the downbeat of each measure, sing the rest 12 13 14 15 16

25. Metered Melodic Contours in Scale Format

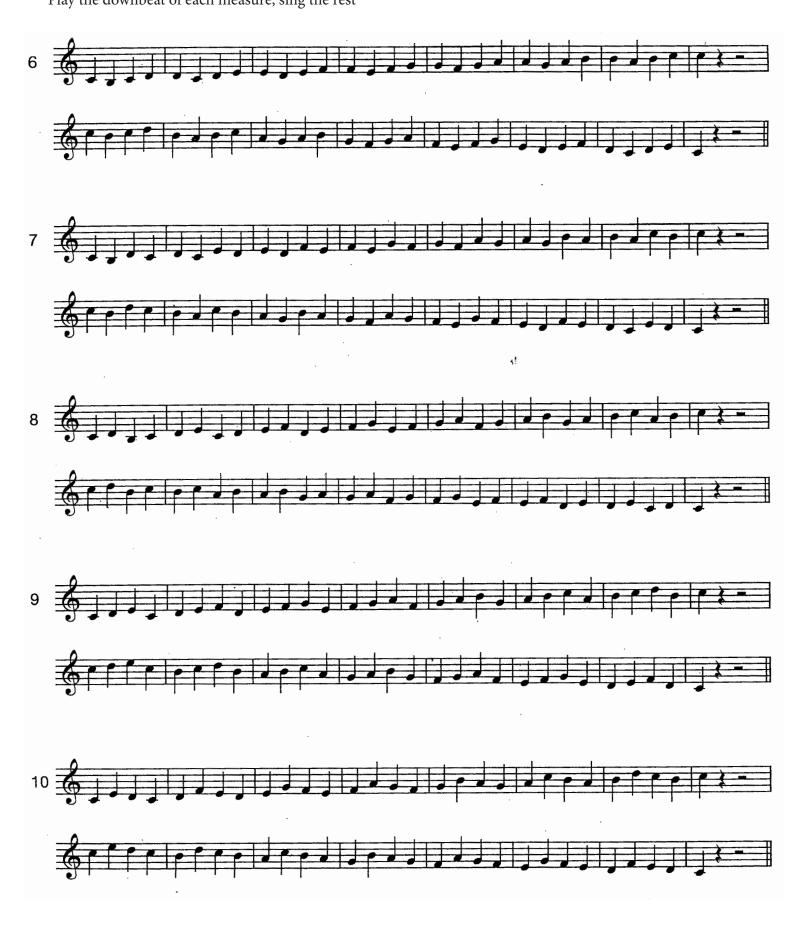
Susser

Play the downbeat of each measure, sing the rest



(25.) Metered Melodic Contours in Scale Format (cont.) Play the downbeat of each measure, sing the rest

Susser



(25.) Metered Melodic Contours in Scale Format (cont.)

Susser



Ear Training II "Sing and Play"

Scales	Quarter-note/Eighth-note Scale Patterns in Harmonized Thirds	pp. 38-39
Interva	als Melodic Intervals: Thirds, Fourths Descending, Augmented Fourths, Diminished Fifths, Sixths, Sevenths Harmonic Intervals	pp. 40-45
Triads	'Scales' of Triads Starting on the Root, Third, and Fifth of the Triad Major and Minor	pp. 46-47
Sevent	ch Chords The Dominant Seventh Chord Major, Minor, Half-Diminished Seventh Chords	pp. 48
Melod	ies Metered Melodic Contours in Scale Format Alto Clef With Simple Rhythms	pp. 49-56
Duets	from Petit from Melodia from Berkowitz, Frontrier, Kraft	pp. 57-68
Choral	les from <i>Wedge</i> Note against Note With Eighth-notes	pp. 69-70

Susser Scales

Switching right hand, left hand, both hands

Play every note while singing

Play only the downbeat while singing

Play fewer and fewer notes until singing a capella





Intervals

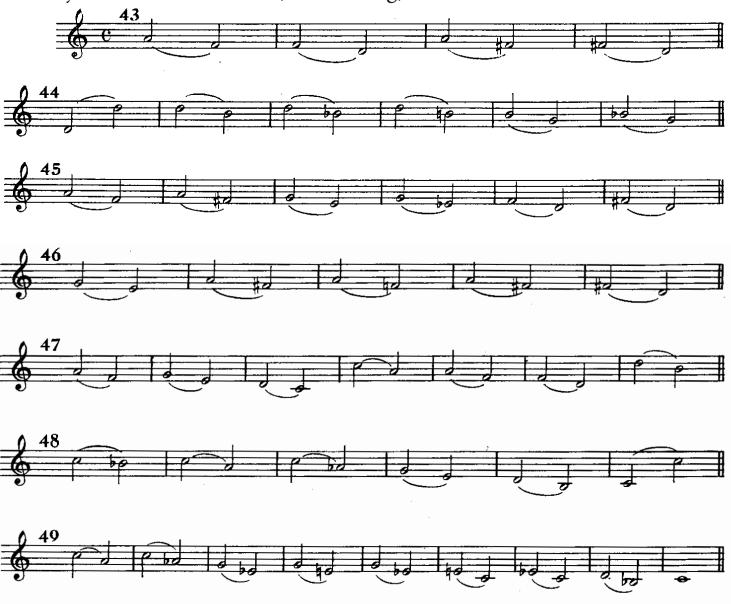
Switching right hand, left hand, both hands

Play every note while singing

Play every other note while singing

Play fewer and fewer notes until singing a capella

10. Major and Minor Thirds (Descending)



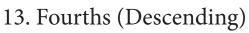
Falk

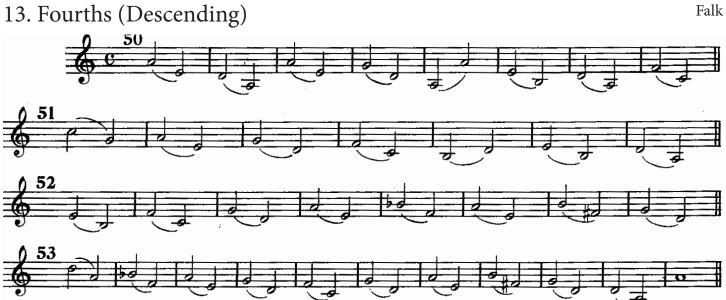




12. Diminished Fifths









15. Minor and Major Sixths (More Difficult)







16. Minor Sevenths

Falk



Wedge

17. Harmonic Intervals

See instructions below



Play the bottom note, <u>then</u> sing the top note Play the top note, <u>then</u> sing the bottom note Play the bottom note and sing the top note together Play the top note and sing the bottom note together

Triads

Switching right hand, left hand, both hands Play every note while singing Play every other note while singing Play fewer and fewer notes until singing a capella

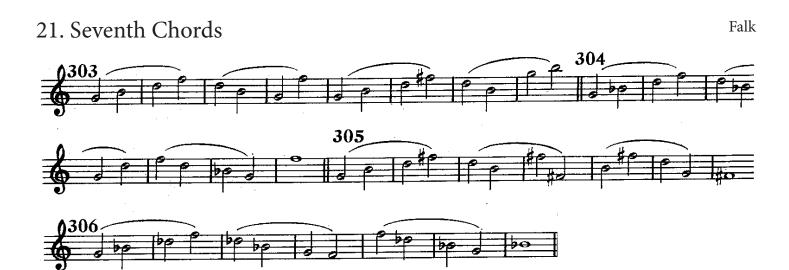






20. Dominant Seventh Chord





Melodies

Switching right hand, left hand, both hands Play every note while singing Play every other note while singing

Benjamin, Horvit, Nelson



Play fewer and fewer notes until singing a capella

Petit



24, Melodic Phrases

Wedge



25. Metered Melodic Contours in Scale Format



(25.) Metered Melodic Contours in Scale Format (cont.)



26. Metered Melodic Contours in Scale Format II



(26.) Metered Melodic Contours in Scale Format II



Susser

27. Melodic/Rhythm Patterns III

Step Up and Down in 3 Time

These exercises combine rhythm patterns with the scale. First speak the Solfedge out of rhythm and tempo. Then add the tempo to increase reading skills. It is important to keep a steady tempo within each exercise.



(27.) Melodic/Rhythm Patterns III (cont.)



57

Duets

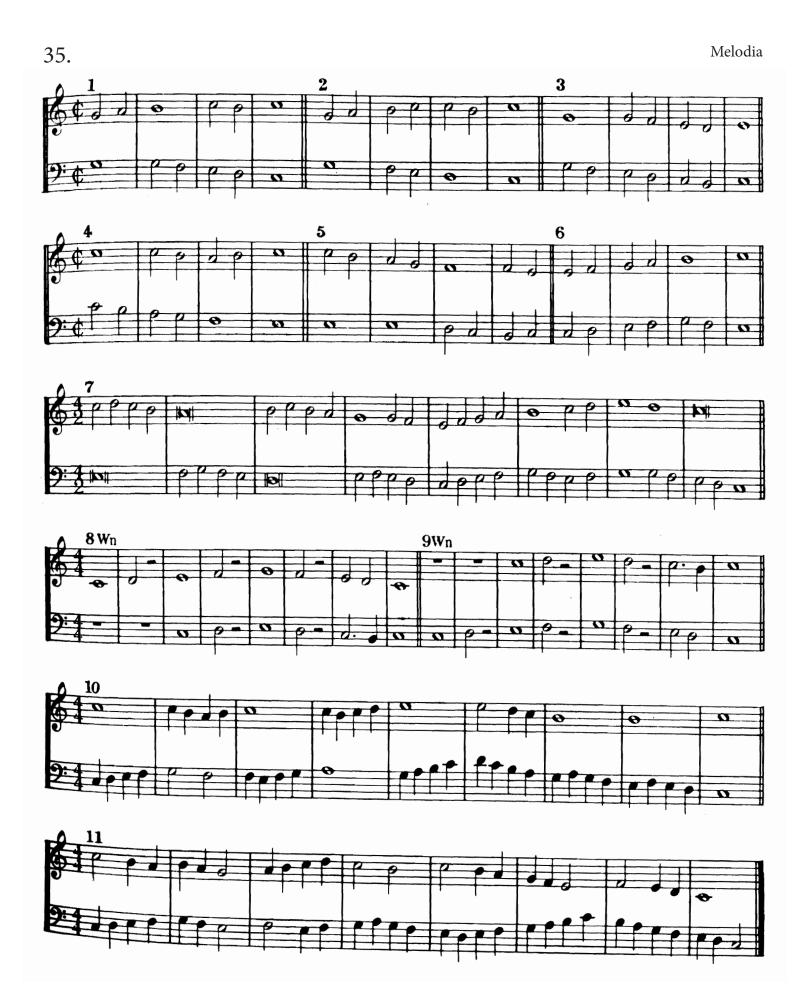
- 1. Sing one part while playing the other
- 2. Switch the parts
- 3. Cross hands- right hand plays bass clef, left hand plays treble clef
- 4. Sing bass clef, left hand plays treble clef
- 5. Sing treble clef, right hand plays bass clef

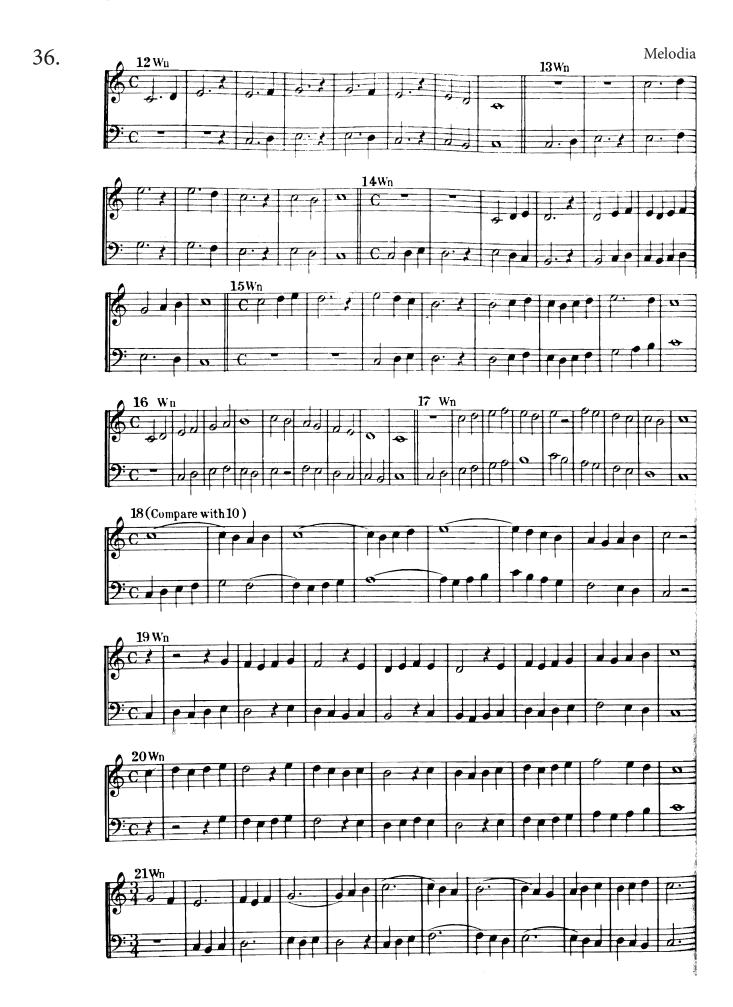




Petit







37. Duets from *Berkowitz*, *Frontrier*, *Kraft* Refer to instructions of page 57.

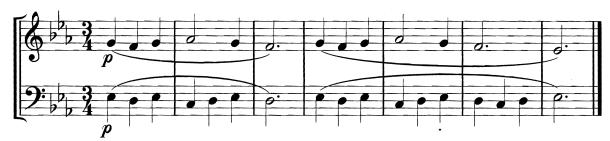
1. Andante



2. Allegretto



3. Lento



4. Andantino



5. Larghetto



6. Andante



7. Larghetto



8. Allegretto



9. Andante



10. Allegro



11. Allegretto



12. Andante



13. Allegretto



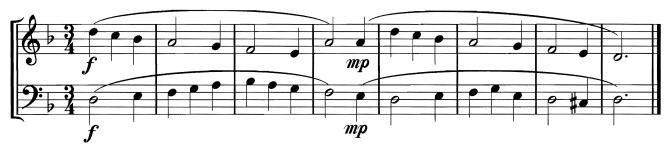
14. Moderato con moto



15. Andante



16. Andante cantabile



17. Larghetto



18. Allegro moderato



19. Allegretto







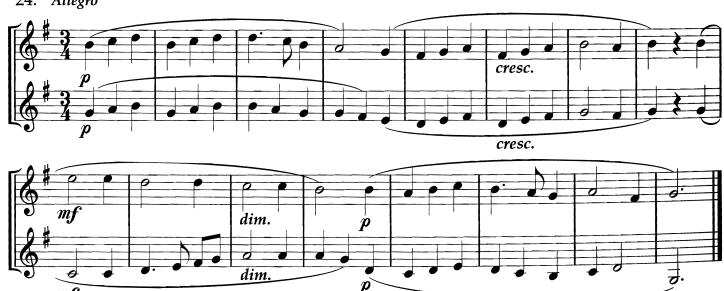
22. Moderato con moto



23. Allegro giocoso







25. Allegretto



26. Allegro moderato





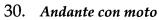
27. Allegretto





29. Allegretto







38. Chorale (two parts)

Sing and play the following chorale exercises as duets. For example, the first chorale has been separated into four parts; sing #1 while playing #2, sing #2 while playing #3 and so on until you have exhausted the possible combinations. Do this for all the chorale exercises below.



^{*} numbers = scale degrees

^{**} I, etc = Roman Numeral chord symbols

Chorales



39. Eius ist noth! ach Herr, dies eine

