

**CHORD SCALE SYLLABUS**

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**CHORD SYMBOLS**

SYMBOL(S)	CHORD
Δ, Maj., letter alone	<b>Major Triad</b>
Δ7, Maj. 7 *(or any diatonic extensions: Maj. 9, Maj. 11, Maj. 13)	<b>Major Seventh</b>
7 *(or any diatonic extensions: 9, 11, 13)	<b>Dominant Seventh</b>
-, m, min.	<b>Minor Triad</b>
-7, m7, min. 7	<b>Minor Seventh</b>
° , dim.	<b>Diminished Triad</b>
ø7, m7♭5	<b>Half Diminished Seventh</b>
°7, dim. 7	<b>Full Diminished Seventh</b>

**CHORD SYMBOLS**

Just put key in front of the above symbols.  
For example, C major is written as the following alternatives: C, CΔ, CM, C Maj., or C.

**FORMULA**

Different ways of writing:

1) Scale degrees (^)

Carets indicate scale degrees.

For example:  $\hat{1}-\hat{2}-\hat{3}-\hat{4}-\hat{5}-\hat{6}-\hat{7}-\hat{1}$

2) Scale in key of C

3) Whole & Half Step Construction

**5 BASIC CATEGORIES**

- 1) Major
- 2) Dominant
- 3) Minor
- 4) Half-Diminished
- 5) Diminished

**KEY**

<b>C</b>	C Major Chord (C Major Triad)
<b>C6</b>	C Major Sixth Chord
<b>C7</b>	C Dominant Seventh Chord
<b>+, #5</b>	Containing the interval of an Augmented Fifth
<b>sus</b>	Suspended
<b>maj7</b>	Containing the interval of a Major Seventh
<b>C+</b>	C Augmented Chord (C Augmented Triad)
<b>dim</b>	Diminished Seventh Chord
<b>6</b>	Containing the interval of a Major Sixth
<b>7</b>	Containing the interval of a Minor Seventh
<b>-3</b>	Minor Third/Augmented Second (3 half steps)
<b>synthetic</b>	Not diatonic in origin
<b>W</b>	Whole step (2 half steps)
<b>H</b>	Half step
<b>#</b>	Sharp. Raise by a half step
<b>♭</b>	Flat. Lower by a half step

**CHORD SCALE SYLLABUS (Continued)**

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CHORD	SCALE	ORIGIN	FORMULA
<b>I. Major:</b>			
C Maj., C, C Maj. 7	Major/Ionian("4" avoid tone)	1st Mode Major	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{4}-\hat{5}-\hat{6}-\hat{7}-\hat{1}(\hat{8})</math></li> <li>•C-D-E-F-G-A-B-C</li> <li>•W-W-H-W-W-W-H</li> </ul>
C Maj#11(#4)	Lydian	4th Mode Major	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{4}-\hat{5}-\hat{6}-\hat{7}-\hat{1}(\hat{8})</math></li> <li>•C-D-E-F#-G-A-B-C</li> <li>•W-W-W-H-W-W-H</li> </ul>
C Maj $\flat$ 6 ( $\flat$ 13)	Harmonic Major	Synthetic	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{4}-\hat{5}-\hat{6}-\hat{7}-\hat{1}(\hat{8})</math></li> <li>•C-D-E-F-G-A<math>\flat</math>-B-C</li> <li>•W-W-H-W-H-(-3)-H</li> </ul>
C Maj., C Maj. 7	Bebop Major	Major + #5	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{4}-\hat{5}-\hat{5}-\hat{6}-\hat{7}-\hat{1}(\hat{8})</math></li> <li>•C-D-E-F-G-G#-A-B-C</li> <li>•W-W-H-W-H-H-W-H</li> </ul>
C Maj#5, C Maj#11 (#4)	Lydian Augmented	3rd Mode Melodic Minor	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{4}-\hat{5}-\hat{6}-\hat{7}-\hat{1}(\hat{8})</math></li> <li>•C-D-E-F#-G#-A-B-C</li> <li>•W-W-W-W-H-W-H</li> </ul>
C (Maj. 7)	Diminished/Octatonic/H-W (start on half step)	Synthetic	<ul style="list-style-type: none"> <li>•<math>\hat{9}-\hat{9}-\hat{3}-\hat{4}-\hat{5}-\hat{6}-\hat{7}-\hat{1}</math></li> <li>•C-D<math>\flat</math>-D#-E-F#-G-A-B<math>\flat</math>-C</li> <li>•H-W-H-W-H-W-H-W</li> </ul>
C (Maj. 7)	#2 Lydian	6th mode harmonic minor	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{4}-\hat{5}-\hat{6}-\hat{7}-\hat{1}</math></li> <li>•C-D#-E-F#-G-A-B-C</li> <li>•(-3)-H-W-H-W-W-H</li> </ul>
C (Maj. 7)	Major Pentatonic	Major without $\hat{4}$ & $\hat{7}$	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{5}-\hat{6}-\hat{1}</math></li> <li>•C-D-E-G-A-C</li> <li>•W-W-(-3)-W-(-3)</li> </ul>
C (Maj. 7)	Major Blues	Maj. Pent. + "blue note"	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{2}-\hat{3}-\hat{5}-\hat{6}-\hat{1}</math></li> <li>•C-D-D#-E-G-A-C</li> <li>•W-H-H-(-3)-W-(-3)</li> </ul>
C +, #5	Whole Tone	Synthetic	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{4}-\hat{5}-\hat{7}-\hat{1}</math></li> <li>•C-D-E-F#-G#-A#B<math>\flat</math>-C</li> <li>•W-W-W-W-W-W-W</li> </ul>
C (Maj. 7 or #5)	Augmented	Synthetic	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{5}-\hat{6}-\hat{7}-\hat{1}</math></li> <li>•C-D#-E-G-A<math>\flat</math>-B-C</li> <li>•(-3)-H-(-3)-H-(-3)-H</li> </ul>

**CHORD SCALE SYLLABUS (Continued)**

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CHORD	SCALE	ORIGIN	FORMULA
<b>II. Dominant:</b>			
C7	Mixolydian	5th Mode Major	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{4}-\hat{5}-\hat{6}-\flat\hat{7}-\hat{1}(\hat{8})</math></li> <li>•C-D-E-F-G-A-B<math>\flat</math>-C</li> <li>•W-W-H-W-W-H-W</li> </ul>
C7	Bebop Dominant	Mixolydian + #7	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{4}-\hat{5}-\hat{6}-\flat\hat{7}-\hat{7}-\hat{1}(\hat{8})</math></li> <li>•C-D-E-F-G-A-B<math>\flat</math>-B-C</li> <li>•W-W-H-W-W-H-H-H</li> </ul>
C7 $\flat$ 9	“Spanish”/“Jewish”(“Habi Rabu”)	5th Mode Harmonic Minor	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{4}-\hat{5}-\hat{6}-\flat\hat{7}-\hat{1}(\hat{8})</math></li> <li>•C-D<math>\flat</math>-E-F-G-A<math>\flat</math>-B<math>\flat</math>-C</li> <li>•H-(-3)-H-W-H-W-W</li> </ul>
C7#11 (#4)	Lydian Dominant	4th Mode Melodic Minor	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\#4-\hat{5}-\hat{6}-\flat\hat{7}-\hat{1}(\hat{8})</math></li> <li>•C-D-E-F<math>\#</math>-G-A-B<math>\flat</math>-C</li> <li>•W-W-W-H-W-H-W</li> </ul>
C7 $\flat$ 13 ( $\flat$ 6)	“Hindu”	5th Mode Melodic Minor	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{4}-\hat{5}-\hat{6}-\flat\hat{7}-\hat{1}(\hat{8})</math></li> <li>•C-D-E-F-G-A<math>\flat</math>-B<math>\flat</math>-C</li> <li>•W-W-H-W-H-W-W</li> </ul>
C7#5 (#4)	Whole Tone (6 tone scale)	Synthetic	<ul style="list-style-type: none"> <li>•C-D-E-F<math>\#</math>-G<math>\#</math>-B<math>\flat</math>-C</li> <li>•W-W-W-W-W-W</li> </ul>
C7 $\flat$ 9 (#9,#4)	Diminished/Octatonic/W-H (start on whole step)	Synthetic	<ul style="list-style-type: none"> <li>•C-D<math>\flat</math>-D<math>\#</math>-E-F<math>\#</math>-G-A-B<math>\flat</math>-C</li> <li>•H-W-H-W-H-W-H-W</li> </ul>
C7#9 ( $\flat$ 9,#4,#5, $\flat$ 13)	Altered	7th Mode Melodic Minor	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{9}-\#9-\hat{3}-\#11-\#5-\flat\hat{13}-\hat{7}</math></li> <li>•C-D<math>\flat</math>-D<math>\#</math>-E-F<math>\#</math>-G<math>\#</math>-B<math>\flat</math>-C</li> <li>•H-W-H-W-W-W-W</li> </ul>
C7	Major Pentatonic	Major without $\hat{4}$ & $\hat{7}$	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{3}-\hat{5}-\hat{6}-\hat{1}</math></li> <li>•C-D-E-G-A-C</li> <li>•W-W-(-3)-W-(-3)</li> </ul>
C7	Major Blues	Major Pentatonic + “blue note”	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\#2-\hat{3}-\hat{5}-\hat{6}-\hat{1}</math></li> <li>•C-D-D<math>\#</math>-E-G-A-C</li> <li>•W-H-H-(-3)-W-(-3)</li> </ul>
C7	Minor Pentatonic	Natural Minor without 2 & 6	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{3}-\hat{4}-\hat{5}-\flat\hat{7}-\hat{1}</math></li> <li>•C-E<math>\flat</math>-F-G-B<math>\flat</math>-C</li> <li>•(-3)-W-W-(-3)-W</li> </ul>
C7	Minor Blues	Minor Pent. + #4	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{3}-\hat{4}-\#4/\flat5-\hat{5}-\flat\hat{7}-\hat{1}</math></li> <li>•C-E<math>\flat</math>-F-F<math>\#</math>-G-B<math>\flat</math>-C</li> <li>•(-3)-W-H-H-(-3)-W</li> </ul>
C7 sus4	Mixolydian without 3rd	5th Mode Major	<ul style="list-style-type: none"> <li>•<math>\hat{1}-\hat{2}-\hat{4}-\hat{5}-\hat{6}-\flat\hat{7}-\hat{1}</math></li> <li>•C-D-F-G-A-B<math>\flat</math>-C</li> <li>•W-3rd-W-W-H-W</li> </ul>

**CHORD SCALE SYLLABUS (Continued)**

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C7 sus4	Major Pentatonic built on ♭7 (B♭ Major Pentatonic for C7 sus4)	Major Pentatonic built on ♭7	<ul style="list-style-type: none"> <li>• <math>\hat{1}-\hat{2}-\hat{4}-\hat{5}-\hat{b}7-\hat{1}</math></li> <li>• C-D-F-G-B♭-C</li> <li>• W-3rd-W-3rd-W</li> </ul>
C7 sus4	Bebop Dominant	Mixolydian +♯7	<ul style="list-style-type: none"> <li>• <math>\hat{1}-\hat{2}-\hat{3}-\hat{4}-\hat{5}-\hat{6}-\hat{b}7-\hat{7}-\hat{1}</math></li> <li>• C-D-E-F-G-A-B♭-B-C</li> <li>• W-W-H-W-W-H-H-H</li> </ul>
CHORD	SCALE	ORIGIN	FORMULA
<b>III. Minor:</b>			
cm, cm7, cm6	Dorian	2nd Mode Major	<ul style="list-style-type: none"> <li>• <math>\hat{1}-\hat{2}-\hat{b}3-\hat{4}-\hat{5}-\hat{6}-\hat{b}7-\hat{1}(\hat{8})</math></li> <li>• C-D-E♭-F-G-A-B♭-C</li> <li>• W-H-W-W-W-H-W</li> </ul>
cm, cm♭6	Natural Minor/Aeolian	6th Mode Major	<ul style="list-style-type: none"> <li>• <math>\hat{1}-\hat{2}-\hat{b}3-\hat{4}-\hat{5}-\hat{b}6-\hat{b}7-\hat{1}(\hat{8})</math></li> <li>• C-D-E♭-F-G-A♭-B♭-C</li> <li>• W-H-W-W-H-W-W</li> </ul>
cm, cm7	Bebop Dorian	Dorian + ♯3	<ul style="list-style-type: none"> <li>• <math>\hat{1}-\hat{2}-\hat{b}3-\hat{3}-\hat{4}-\hat{5}-\hat{6}-\hat{b}7-\hat{1}(\hat{8})</math></li> <li>• C-D-E♭-E-F-G-A-B♭-C</li> <li>• W-H-H-H-W-W-H-W</li> </ul>
cmMaj7	Melodic Minor	Aeolian with ♯6 & ♯7	<ul style="list-style-type: none"> <li>• <math>\hat{1}-\hat{2}-\hat{b}3-\hat{4}-\hat{5}-\hat{6}-\hat{7}-\hat{1}(\hat{8})</math></li> <li>• C-D-E♭-F-G-A-B-C</li> <li>• W-H-W-W-W-W-H</li> </ul>
cm, cm7	Bebop Minor	Aeolian +♯6	<ul style="list-style-type: none"> <li>• <math>\hat{1}-\hat{2}-\hat{b}3-\hat{4}-\hat{5}-\hat{b}6-\hat{6}-\hat{b}7-\hat{1}(\hat{8})</math></li> <li>• C-D-E♭-F-G-A♭-A-B♭-C</li> <li>• W-H-H-H-W-W-H-W</li> </ul>
cm, cm7	Minor Pentatonic	Aeolian without 2 & ♭6	<ul style="list-style-type: none"> <li>• <math>\hat{1}-\hat{b}3-\hat{4}-\hat{5}-\hat{b}7-\hat{1}(\hat{8})</math></li> <li>• C-E♭-F-G-B♭-C</li> <li>• (-3)-W-W-(-3)-W</li> </ul>
cm, cm7	Minor Blues	Minor Pent. + ♯4	<ul style="list-style-type: none"> <li>• <math>\hat{1}-\hat{b}3-\hat{4}-\hat{\#}4-\hat{5}-\hat{b}7-\hat{1}(\hat{8})</math></li> <li>• C-E♭-F-F♯-G-B♭-C</li> <li>• (-3)-W-H-H-(-3)-W</li> </ul>
cm♭6Maj.7 (Maj7♭13)	Harmonic Minor	Aeolian with ♯7	<ul style="list-style-type: none"> <li>• <math>\hat{1}-\hat{2}-\hat{b}3-\hat{4}-\hat{5}-\hat{b}6-\hat{7}-\hat{1}(\hat{8})</math></li> <li>• C-D-E♭-F-G-A♭-B-C</li> <li>• W-H-W-W-H-(-3)-H</li> </ul>
cm, cm7	Diminished/Octatonic/1/2-H	Synthetic	<ul style="list-style-type: none"> <li>• C-D-E♭-F-F♯-G♯-A-B-C</li> <li>• W-H-W-H-W-H-W-H</li> </ul>

**CHORD SCALE SYLLABUS (Continued)**

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csus $\flat$ 9, cmb $\flat$ 9 $\flat$ 13	Phrygian	3rd Mode Major	<ul style="list-style-type: none"> <li>•<math>\hat{1}</math>-<math>\hat{2}</math>-<math>\hat{3}</math>-<math>\hat{4}</math>-<math>\hat{5}</math>-<math>\hat{6}</math>-<math>\hat{7}</math>-<math>\hat{1}</math>(<math>\hat{8}</math>)</li> <li>•C-D<math>\flat</math>-E<math>\flat</math>-F-G-A<math>\flat</math>-B<math>\flat</math>-C</li> <li>•H-W-W-W-H-W-W</li> </ul>
csus $\flat$ 9, cmb $\flat$ 9 $\flat$ 13	$\flat$ 2 Dorian	2nd Mode Melodic Minor	<ul style="list-style-type: none"> <li>•<math>\hat{1}</math>-<math>\hat{2}</math>-<math>\hat{3}</math>-<math>\hat{4}</math>-<math>\hat{5}</math>-<math>\hat{6}</math>-<math>\hat{7}</math>-<math>\hat{1}</math>(<math>\hat{8}</math>)</li> <li>•C-D<math>\flat</math>-E<math>\flat</math>-F-G-A-B<math>\flat</math>-C</li> <li>•H-W-W-W-W-H-W</li> </ul>
CHORD	SCALE	ORIGIN	FORMULA
<b>IV. Half Diminished:</b>			
cm7 $\flat$ 5 ( $\flat$ 9), c $^{\flat}$ 7	Locrian	7th Mode Major	<ul style="list-style-type: none"> <li>•<math>\hat{1}</math>-<math>\hat{2}</math>-<math>\hat{3}</math>-<math>\hat{4}</math>-<math>\hat{5}</math>-<math>\hat{6}</math>-<math>\hat{7}</math>-<math>\hat{1}</math>(<math>\hat{8}</math>)</li> <li>•C-D<math>\flat</math>-E<math>\flat</math>-F-G<math>\flat</math>-A<math>\flat</math>-B<math>\flat</math>-C</li> <li>•H-W-W-H-W-W-W</li> </ul>
cm9 $\flat$ 5	#2 Locrian	6th Mode Melodic Minor	<ul style="list-style-type: none"> <li>•<math>\hat{1}</math>-<math>\hat{2}</math>-<math>\hat{3}</math>-<math>\hat{4}</math>-<math>\hat{5}</math>-<math>\hat{6}</math>-<math>\hat{7}</math>-<math>\hat{1}</math>(<math>\hat{8}</math>)</li> <li>•C-D-E<math>\flat</math>-F-G<math>\flat</math>-A<math>\flat</math>-B<math>\flat</math>-C</li> <li>•W-H-W-H-W-W-W</li> </ul>
cm7 $\flat$ 5, c $^{\flat}$ 7	Bebop Locrian	Locrian + #5	<ul style="list-style-type: none"> <li>•<math>\hat{1}</math>-<math>\hat{2}</math>-<math>\hat{3}</math>-<math>\hat{4}</math>-<math>\hat{5}</math>-<math>\hat{6}</math>-<math>\hat{7}</math>-<math>\hat{1}</math></li> <li>•C-D<math>\flat</math>-E<math>\flat</math>-F-G<math>\flat</math>-G-A<math>\flat</math>-B<math>\flat</math>-C</li> <li>•H-W-W-H-H-H-W-W</li> </ul>
<b>V. Diminished:</b>			
c $^{\circ}$ , c $^{\flat}$ 7, c dim.	Diminished/Octatonic/1/2-H (start on W)	Synthetic	<ul style="list-style-type: none"> <li>•C-D-E<math>\flat</math>-F-G<math>\flat</math>-A<math>\flat</math>-A-B-C</li> <li>•W-H-W-H-W-H-W-H</li> </ul>