



PRESENTS  
JAZZ WORKSHOP SERIES

A faint, light gray image of a violin is centered in the background, serving as a backdrop for the title text.

# Violin Master Class

## Chord Scales and Arpeggios (Alto Clef)

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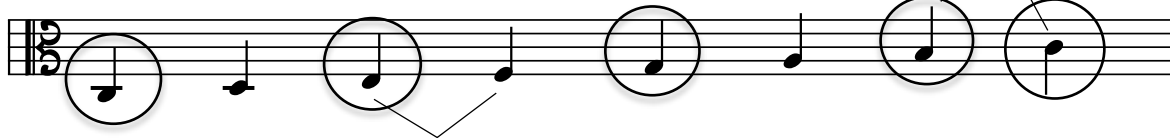
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# MODES OF THE C MAJOR SCALE

## C IONIAN



CHORD FORMED  
BY CIRCLED NOTES

CMA7

## D DORIAN



DMIN7

## E PHRYGIAN



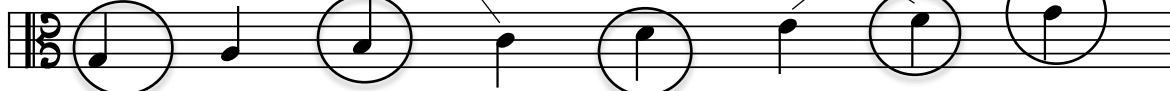
ESUS b9

## F LYDIAN



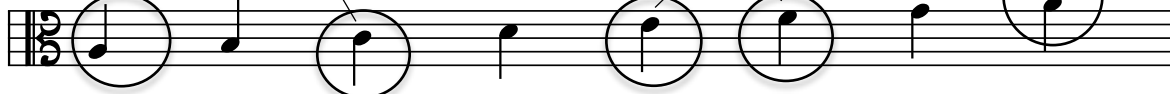
FMA7 b5

## G MIXOLYDIAN



G7

## A AEOLIAN



AMIN b6

## B LOCRIAN



BMIN7 b5

# Modes in C

## scale and arpeggio exercise

2

C Ionian



CMaj 7



D Dorian



Dmin7



E Phrygian



Esusb9



F Lydian



FMaj7 b5



## G Mixolydian



## G7



## A Aeolian

Amin  $\flat 6$ 

## B Locrian

Bm7  $\flat 5$ 

### Order of Modes "in a Key Signature"

|                         | <u>4 Note Arpeggios</u>   | <u>Pentatonic Options</u>                                               |
|-------------------------|---------------------------|-------------------------------------------------------------------------|
| <b>Maj7</b> (Ionian)    | 1_3_5_7                   | Major pent. on root<br>or 5th                                           |
| <b>min7</b> (Dorian)    | 1_3_5_7                   | Dorian pent. on<br>root, or minor<br>pent. on root, or minor pent. on 5 |
| <b>susb9</b> (Phrygian) | 1_2_4_5                   | Dorian pent. on 7th<br>(resulting chord is a <b>7susb9</b> )            |
| <b>Maj7b5</b> (Lydian)  | 1_3_4_7 (#4 replaces 5th) | Dorian pent. on 6th or<br>Major pent. on 2nd                            |
| <b>7</b> (Mixolydian)   | 1_3_5_7                   | Major pent. on root, Dorian<br>pent. on 5th, or mixo. pent.<br>on root  |
| <b>minb6</b> (Aeolian)  | 1_3_5_6                   | Minor pent. on root<br>or Aeolian pent. on root                         |
| <b>m7b5</b> (Locrian)   | 1_3_5_7                   | Dorian pent. on 3rd                                                     |

Definitions:

Major Pentatonic is 1\_2\_3\_5\_6 of the major scale.

Minor Pentatonic is 1\_3\_4\_5\_7 of the minor scale  
(it's the relative minor of major pentatonic).

"Dorian Pentatonic" is 1\_2\_3\_5\_6 of the dorian mode.

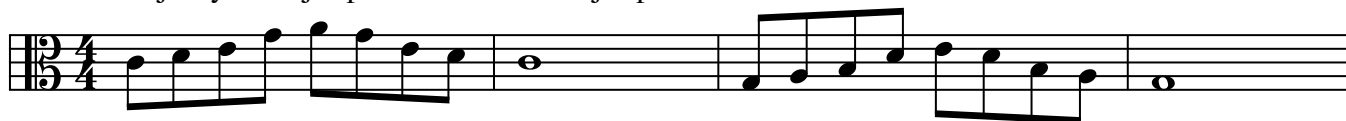
"Mixolydian Pentatonic" is 1\_3\_4\_5\_7 of the mixolydian mode.

"Aeolian Pentatonic" is 1\_2\_3\_5\_6 of the aeolian mode

# Pentatonic Scales\* on the Modal Chord Vamps in the Key of C

5

On Cmaj7 try C major pentatonic or G major pentatonic...



On Dmin7 try D minor pentatonic, D dorian pentatonic

or A minor pentatonic



On Esusb9 try D dorian pentatonic



On Fmaj7 b5 try D dorian pentatonic

or G major pentatonic



On G7 try G major pentatonic

or D dorian pentatonic...



OR... the Bmin7b5 "shape"

or the Fmaj7b5 "shape"



On Aminb6 try A minor pentatonic

or A aeolian pentatonic



On Bmin7b5 try D dorian pentatonic



In some cases you will want to 'orient' these pentatonic scales away from their roots. For instance, emphasizing 'C' in the first example will sound rather bland. Try giving more weight to 'E', 'A', or even 'G'. Or in the last example, give 'B' more weight than 'D'. If you use your ears, these choices will be pretty obvious.

\*and a couple of other shapes!

# "L.I.M.O.A.P.L."

C LYDIAN

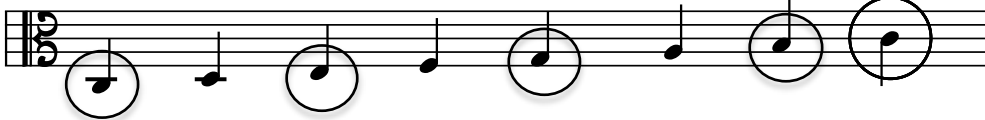


CHORD FORMED BY

CIRCLED NOTES

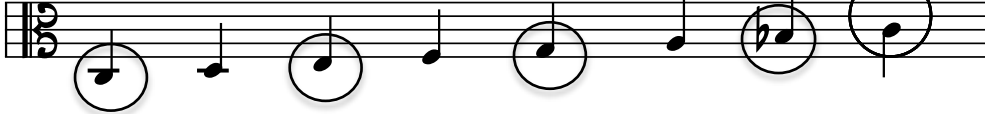
CMaj7 b5

C IONIAN



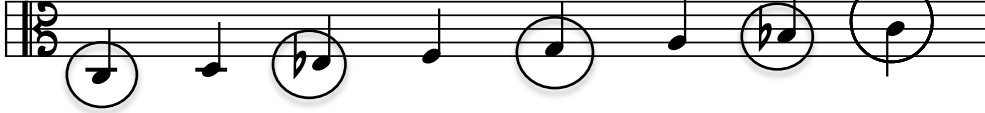
CMaj7

C MIXOLYDIAN



C7

C DORIAN



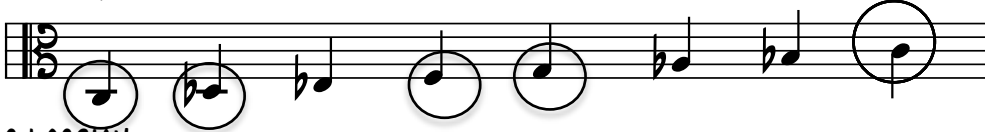
Cmin7

C AEOLIAN



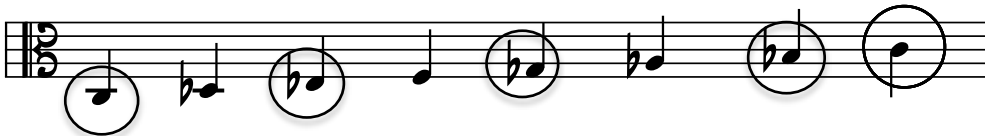
Cmin b6

C PHRYGIAN



Csus b9

C LOCRIAN



Cmin7 b5

L I M O A P L  
+4 - 7 3 6 2 5

## Major Keys and Key Signatures

7

C: -

F: Bb

Bb: Bb, Eb

Eb: Bb, Eb, Ab

Ab: Bb, Eb, Ab, Db

Db: Bb, Eb, Ab, Db, Gb

Gb: Bb, Eb, Ab, Db, Gb, Cb

F#: F#, C#, G#, D#, A#, E#

B: F#, C#, G#, D#, A#

E: F#, C#, G#, D#

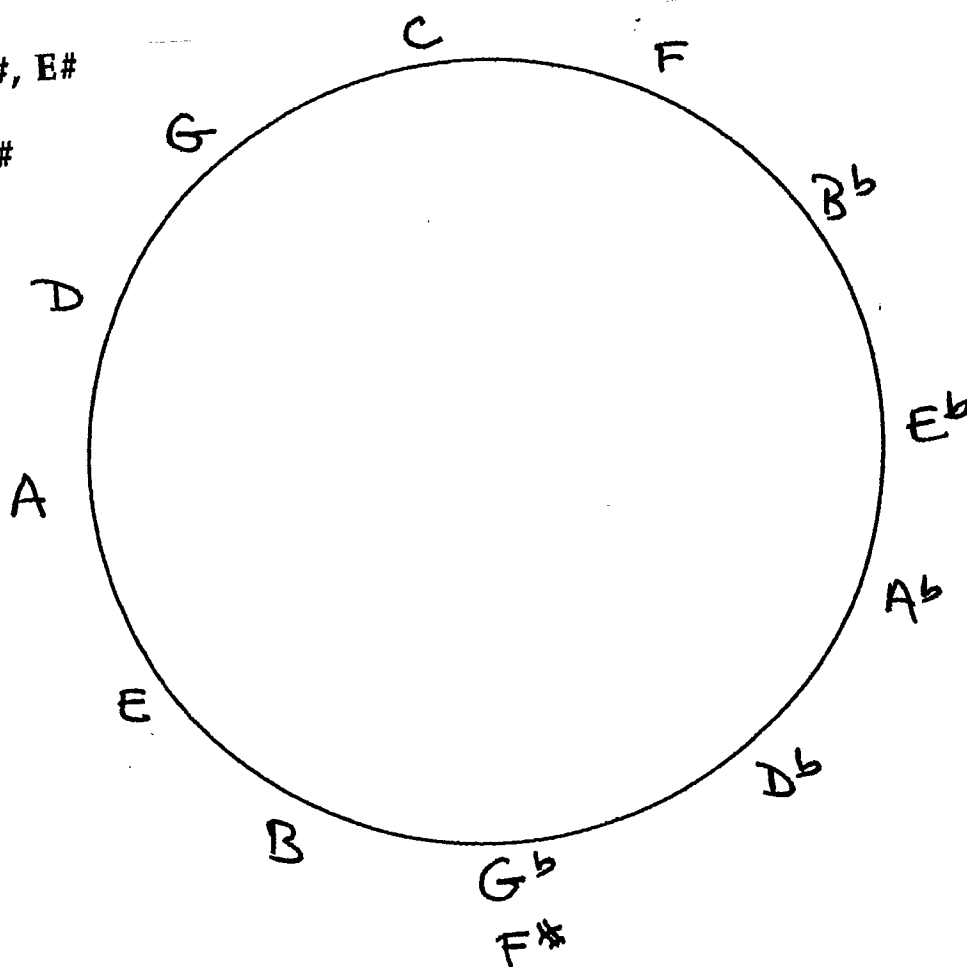
A: F#, C#, G#

D: F#, C#

G: F#

C: -

### The Circle of 5ths



### Minor Keys start on 6th degree of Major Scale

for example: A minor = C major  
starting on A and ending on A



# Mode Cycle on C scales and arpeggios

8

## LYDIAN



## M7 b 5



These whole notes are optional at the end of every line.

## IONIAN



## M 7



## MIXOLYDIAN



## 7



## DORIAN



## m 7



## AEOLIAN

m  $\flat 6$ 

## PHRYGIAN

sus  $\flat 9$ 

## LOCRIAN

m7  $\flat 5$ 

## Order of Modes on a Single Tonal Center ("LIMDAPL")

|                                                      | <u>4 Note Arpeggios</u>  | <u>Pentatonic Options</u>                                                 |
|------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| <b>Maj7b5</b> (Lydian)<br>(major scale w/raised 4th) | 1_3_4_7 (#4 acts as 5th) | Dorian pent. on 6th or<br>Major pent. on 2nd                              |
| <b>Maj7</b> (Ionian)<br>(lower the 4th)              | 1_3_5_7                  | Major pent. on root or 5th                                                |
| <b>7</b> (Mixolydian)<br>(lower the 7th)             | 1_3_5_7                  | Major pent. on root,<br>Dorian pent. on 5th or<br>Mixolydian pent on root |
| <b>min7</b> (Dorian)<br>(lower the 3rd)              | 1_3_5_7                  | Dorian pent. or minor pent.<br>on root , or minor pent. on 5              |
| <b>minb6</b> (Aeolian)<br>(lower the 6th)            | 1_3_5_6                  | Minor pent. on root<br>or aeolian pent. on root                           |
| <b>susb9</b> (Phrygian)<br>(lower the 2nd)           | 1_2_4_5                  | Dorian pent. on 7th<br>(resulting chord is a <b>7susb9</b> )              |
| <b>m7b5</b> (Locrian)<br>(lower the 5th)             | 1_3_5_7                  | Dorian pent. on 3rd                                                       |

Definitions:

Major Pentatonic is 1\_2\_3\_5\_6 of the major scale.

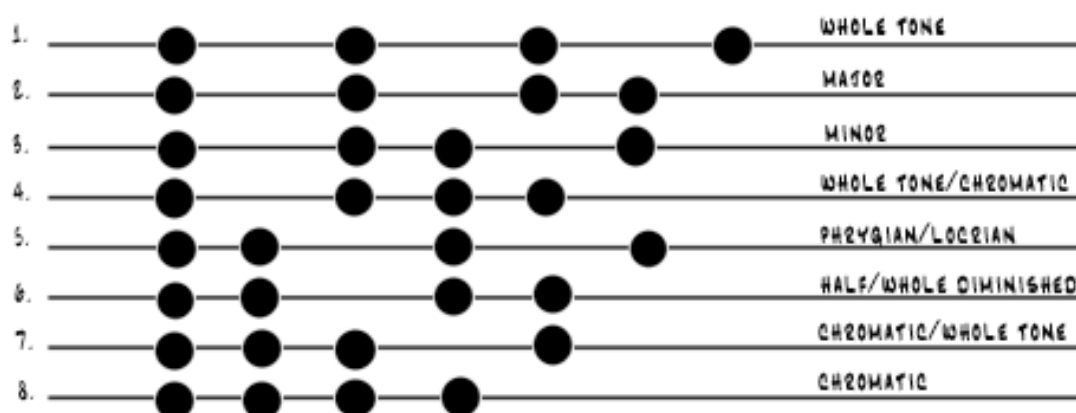
Minor Pentatonic is 1\_3\_4\_5\_7 of the minor scale  
(it's the relative minor of major pentatonic).

"Dorian Pentatonic" is 1\_2\_3\_5\_6 of the dorian mode.

"Mixolydian Pentatonic" is 1\_3\_4\_5\_7 of the mixolydian mode.

"Aeolian Pentatonic" is 1\_2\_3\_5\_6 of the aeolian mode

## 8 FINGER PATTERNS FOR VIOLIN & VIOLA



## LIMDAPL Chords (viola edition)

Numbers indicate number of notes in lowest position frame for each chord type.

Play the 10 note frames as 2 bars of 8<sup>th</sup> note triplets in 3/4 time.

Play the 9 note frames as 2 bars of 8<sup>th</sup> notes in 4/4.

|    | L  | I  | M  | D  | A   | P  | L  |
|----|----|----|----|----|-----|----|----|
| C  | 10 | 10 | 10 | 10 | 10  | 10 | 10 |
| Db | 10 | 10 | 9  | 9  | 10  | 10 | 10 |
| D  | 10 | 10 | 10 | 10 | 10  | 10 | 10 |
| Eb | 10 | 10 | 10 | 10 | 10  | 9  | 10 |
| E  | 9  | 9  | 10 | 10 | *11 | 9  | 10 |
| F  | 9  | 10 | 10 | 10 | 10  | 9  | 9  |
| Gb | 9  | 9  | 10 | 10 | 10  | 9  | 10 |
| G  | 9  | 9  | 9  | 9  | 9   | 10 | 9  |
| Ab | 10 | 10 | 10 | 9  | 9   | 10 | 9  |
| A  | 10 | 10 | 10 | 10 | 9   | 10 | 10 |
| Bb | 10 | 9  | 9  | 9  | 9   | 9  | 9  |
| B  | 9  | 9  | 9  | 9  | 9   | 10 | 9  |

Lydian: Major 7 b5

Ionian: Major 7

Mixolydian: Dominant 7

Dorian: Minor 7

Aeolian: Minor 7 # 5

Phrygian: Sus 4 b9

Locrian: Minor 7 b5

\*The Bm7 #5 frame works well in quintuplets.