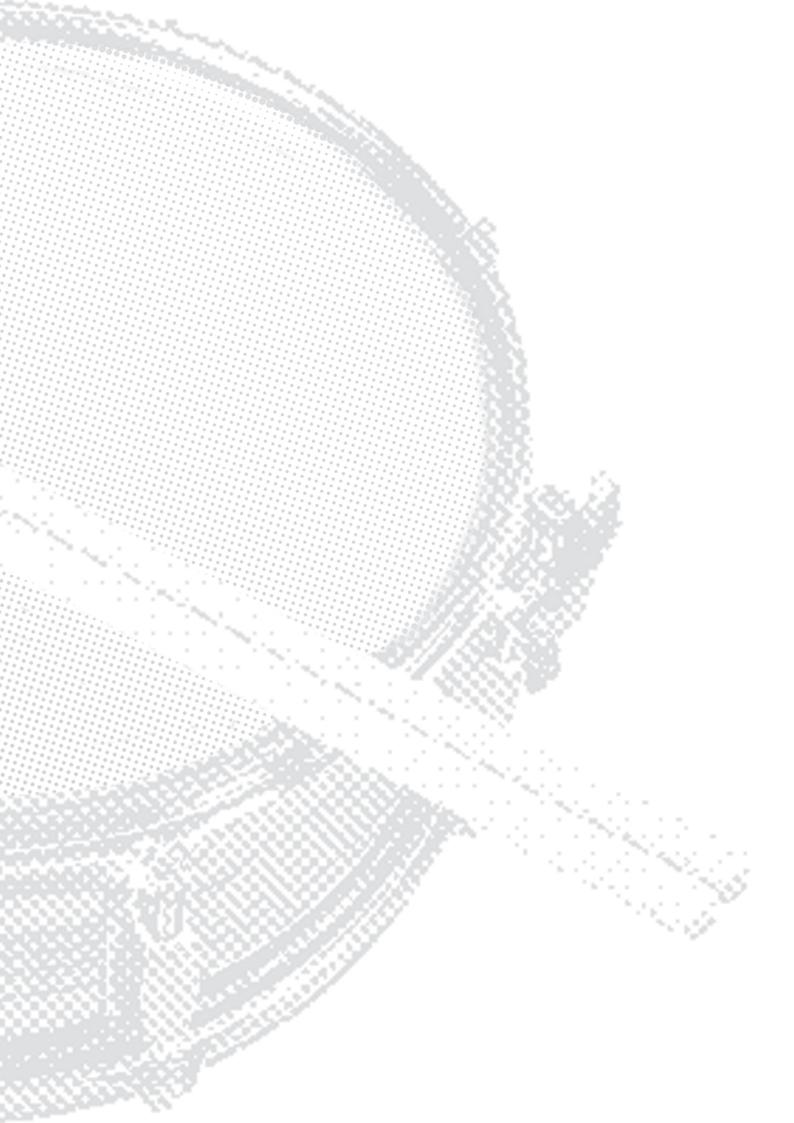
# **Table of Contents**

Credits	2
Acknowledgements	2
Forewords	3
Audio Examples	3
Notation Key	3
Introduction - How to Work on the Exercises	7
About the main exercises	8
Anatomy of an exercise	8
How to work on the exercises	ç
Basic patterns in 12/8	ç
Conclusive endings	Ś
Tempos	ξ
Ostinatos	10
Changing the ostinato pattern	10
Phrasing	10
Bass drum phrasing	10
Ostinatos 1–16	12
Ostinatos 17–24	13
Ostinatos 25–30 (hand-to-hand)	13
Ostinatos 31–36 (with ghost notes)	14
How to adapt the ostinatos	14
How to adapt the hand-to-hand ostinatos	15
Omitting the hi-hat on "1" & "3" Linear phrasing	15 16
Leading with the left hand	16
Basic hi-hat left foot patterns	17
Double bass-drum	17
Section 1 - Basic Patterns	. 19
Introduction to Section 1	20
How to work on single patterns	20
Play the lines as 2-bar patterns	20
Try to invert 2-bar patterns	20
Experiment with other 2-bar patterns	21
About reading rhythmic figures	21
Basic rhythmic figures	2
Exercises 1–16	22
Section 2 - Polyrhythmic Patterns	. 39
Introduction to Section 2	40
Basic 4:3 polyrhythmic patterns in 3/4	40
4:3 polyrhythmic patterns in a 3-bar cycle in 4/4	40
Exercises 17–22	42
Section 3 - Anticipations	. 49
Introduction to Section 3	50
Bonus Exercise	50
Exercises 23–33	51
Section 4 - Beat Displacement	. 63
Introduction to Section 4	64
Three basic patterns	64
Permutations of Pattern 1a	66
Exercises 34–40	67
Permutations of Pattern 2a	74
Exercises 41–47	75
Permutations of Pattern 3a	82
Exercises 48–54	83

Section 5 - 12/8 Patterns	91
Introduction to Section 5	92
Basic 12/8 patterns	92
12/8 Ostinatos 1–16	93
Exercises 55–57	94
3:2 polyrhythmic patterns in 12/8	97
Exercises 58 & 59	98
2:3 polyrhythmic patterns in 12/8	100
Exercises 60–62	101
Developments of the previous 2:3 patterns	104
Exercises 63–65	105
Quadruplets & dotted sixteenth notes in 12/8	108
Exercise 66	109
Section 6 - Swing & Shuffle Feels	
Introduction to Section 6	112
Eighth-note swing feel	112
Shuffle beats	112
Shuffle written as dotted eighth & sixteenth notes	113
Shuffle written in 12/8	113
Half-time shuffle & sixteenth-note swing feel	114
Implied swing feel	115
Dotted sixteenth & thirty-second notes.	115
Jeff Porcaro's "Rosanna" groove pattern	115
Swung sixteenth notes in 12/8	116
Half-time shuffle & eighth-note triplets	117
Half-time shuffle & displaced eighth-note triplets	117
Straight eighth notes & eighth-note triplets	117
Straight eighth notes & displaced eighth-note triplets	117
Exercises 67 & 68	118
Section 7 - Rhythmic Modulations	121
Rhythmic changes	122
Metric modulation	122
From straight 4/4 to shuffle	122
From straight 4/4 to half-time shuffle	123
The top voice modulates	123
How to use polyrhythmic ostinatos	123
Three basic patterns used in 2-bar sequences	124
Adding bass-drum variations in the 2-bar sequences	124
Bass-drum variations in a 3-bar ostinato sequence	125
Adapting 3-bar ostinatos to whole exercises	125
Polyrhythmic Ostinatos 1–6	127
A look at another polyrhythmic ostinato	128
Applying bass-drum variations	128
Applying the 3-bar ostinato to a whole exercise	128
Bottom voice implying shifting 12/8 patterns	129
Suggested practice procedure	130
Bottom voice implying shifting shuffle patterns	131
Suggested practice procedure	132
When both voices modulate	133
Half-time shuffle and 12/8	135
Implying 6/4 or 4/4 within 12/8	136
Suggested practice procedure	136
Conclusion	137
Summary of the Examples	138



# INTRODUCTION How to Work on the Exercises

#### About the main exercises

The exercises are not meant to be a collection of playing patterns, although many patterns are actually playable. They are made of sixteen one-measure patterns, as you can see on the reduction below.

The patterns are meant to be played in sequence, but you can also work on them separately (see page 20).

All the exercises are written out with an eighth-note cymbal ostinato (an ostinato is a repetitive pattern).

They are destined to be worked on with various other ostinatos as well (more info on page 10).

As simple as some of the exercises might look at first glance, mastering them with many of the suggested ostinato patterns can be a long process and involves a high level of control and concentration.

## Anatomy of an exercise

Let's take Exercise 17 from page 42 as an example:

- The first measure, Pattern 1, is a basic groove pattern.
- The last measure, Pattern 16, is the basic pattern for the page.
- Patterns 2-15 are possible steps between Pattern 1 and Pattern 16.



8 Time Manipulation Introduction

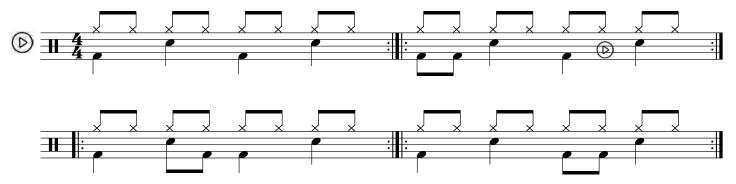
#### How to work on the exercises

The patterns are meant to be played in sequence, from the top to the bottom of the page. Since each measure has repeat signs, I suggest playing each pattern twice before going on to the next, making the exercise 32-bar long.

You can also experiment with playing each pattern four times or eight times.

#### Example 1 - Patterns 1-4 from Exercise 1

Here are the first four patterns, each one being played twice (see the complete exercise on page 22).

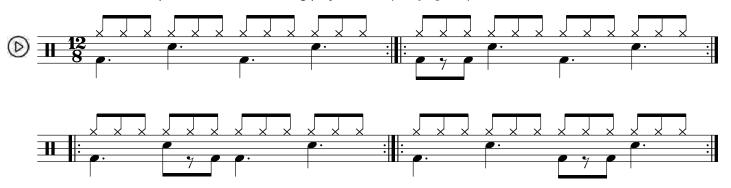


# Basic patterns in 12/8

You can also start working on Exercise 55 right away.

#### Example 2 - Patterns 1-4 from Exercise 55

Here are the first four patterns, each one being played twice (see page 94).



# **Conclusive endings**

It is very common to end a piece of music on a downbeat, although other endings may also sound interesting. At first, I suggest ending the exercises in the most simple and conclusive manner.

#### Example 3 - Patterns 15 & 16 from Exercise 2

This example shows the last two patterns of **Exercise 2**, with an added downbeat to conclude the exercise.



## **Tempos**

• I suggest practicing at various tempos. For the drills to work, there is no need to play them fast. To start with, tempos around 60 BPM and slower are advisable.