#### Contents

### 1 The Evolution of Typography 1

From the origins of writing to Gutenberg's invention of movable type 2

Typography from Gutenberg to the nineteenth century 7

The nineteenth century and the Industrial Revolution 12

Typography in the twentieth century 18

A new century and millennium begin 26

### 2 The Anatomy of Typography 27

Letterforms analyzed 28

The typographic font 31

Historical classification of typefaces 34

Typographic measurement 38

The type family 41

#### 3 Syntax and Communication 45

Typographic syntax 46

Typographic space 56

Visual hierarchy 60

ABA form 66

The typographic grid 70

The typographic message 74

Function and expression 83

### 4 Legibility 87

Distinguishing characteristics of letters 88

The nature of words 90

Capital and lowercase letters 91

Interletter and interword spacing 91

Type size, line length, and interline spacing 92

Weight 93

Character width 93

Italics 93

Legibility and color 94

Justified and unjustified typography 97

Paragraphs and indentions 97

Legibility and electronic page design 99

Legibility and the Internet 101

## 5 Typographic Technology 103

Hand composition 104

Linotype 105

Monotype 106

Ludlow 107

Phototypesetting 108

Digital typesetting 110

Electronic page design 112

### 6 Typographic Design Education 117

Generation of a typographic sign from a gestural mark 118

Letter/digit configurations 119

Urban letterform studies 119

Inventing sign systems 120

Letterform analysis 120

Flowering typography 121

Sequential typographic forms in space 121

Visual organization and grid structures 122

Introduction to systems design 123

Designing with a single letter 124

Typography and image transformations 124

Experimental compositions with found typography 125

Syntactic explorations using onomatopoetic terms 126

Type chronology booklet 127

Expressive typography: form amplifies message 128

Computer improvisation and manipulation 129

Interpretive typography: exploring legibility and impact 130

Symphony poster series 130

Information design: changing typographic parameters 131

Typographic cubes 132

Calendar typography 132

Unity of form and communication 133

Typeface history posters 134

Performance typography 134

Typographic quotations 135

Type and image in the third dimension 136

Comparative relationships: type and image 137

Directional poster: from your house to the university 138

Graphic-design history posters and booklet 139

Animated Web site flash pages 140

# 7 Case Studies in Typographic Design 141

Integrating type and image in poster design 142

The U.S. National Park Service Unigrid System 146

Design and typography for *Interiors* magazine 149

Typographic film titles 152

Hancock Park: interpretive exhibit for the La Brea Tar Pits 155

CD-ROM design for *Crank Call:* a holiday typeface by Metadesign 159

Sonoma County Woodworkers Web site 162

Book design for Listen Up: The Lives of Quincy Jones 165

Permutations in a title-page design 169

## 8 Type Specimens 173

Old Style 174

Garamond 176

Bembo 182

Caslon 188

Galliard 194

Palatino 200

Minion 206

Old Style display fonts 212

Sans serif 214

Univers 216

Helvetica 226

Meta 232

**DIN 238** 

Futura 244

Myriad 250

Transitional 256

Baskerville 258

Transitional display fonts 264

Modern 266

Bodoni 268

Modern display fonts 274

Egyptian 276

Serifa 278

Egyptian display fonts 284

Glossary 286

Appendix A: Copyfitting 294

Appendix B: Character count table for text-type specimens 295

Appendix C: Traditional working methods in typographic design 296

Appendix D: Proofreader's marks 297

A Chronology of Typeface Designs 298

Bibliography 300

Picture Credits 302

Index 305