CONTENTS

GETTING STARTED 1

About Classroom in a Book. 1
What's new in this edition. 2
What's in Photoshop Extended. 2
Prerequisites 3
Installing Adobe Photoshop. 3
Starting Adobe Photoshop. 4
Copying the Classroom in a Book files 4
Restoring default preferences 4
Additional resources 6
Adobe certification 7

1 GETTING TO KNOW THE WORK AREA 8

Starting to work in Adobe Photoshop 10
Using the tools 14
Using the options bar and other panels. 22
Undoing actions in Photoshop 26
Customizing the workspace. 33
Finding resources for using Photoshop 37
Checking for updates 37

2 BASIC PHOTO CORRECTIONS 44

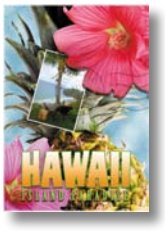
Strategy for retouching 46
Resolution and image size 47
Getting started 48
Adjusting the color in Camera Raw 49
Straightening and cropping the image in Photoshop 51

Replacing colors in an image 53
Adjusting saturation with the Sponge tool 54
Repairing areas with the Clone Stamp tool 55
Using the Spot Healing Brush tool 57
Applying a content-aware patch 58
Applying the Unsharp Mask filter 60
Saving the image for four-color printing 61

3 WORKING WITH SELECTIONS 66

About selecting and selection tools 68
Getting started 69
Using the Quick Selection tool 69
Moving a selected area 70
Manipulating selections 71
Using the Magic Wand tool 78
Selecting with the lasso tools 80
Rotating a selection 81
Selecting with the Magnetic Lasso tool 82
Cropping an image and erasing within a selection 84

4 LAYER BASICS 90



About layers 92
Getting started 92
Using the Layers panel 93
Rearranging layers 98
Applying a gradient to a layer 108
Applying a layer style 109
Adding an adjustment layer 113
Updating layer effects 115
Adding a border 116
Flattening and saving files 118

5 CORRECTING AND ENHANCING DIGITAL PHOTOGRAPHS 124

Getting started 126
About camera raw files....129
Processing files in Camera Raw....129
Applying advanced color correction....141
Correcting digital photographs in Photoshop....151
Correcting image distortion....155
Adding depth of field 158

6 MASKS AND CHANNELS 166

Working with masks and channels....168
Getting started 168
Creating a mask 169
Refining a mask....170
Creating a quick mask....174
Manipulating an image with Puppet Warp....177
Working with channels 178

7 TYPOGRAPHIC DESIGN 186

About type 188
Getting started 188
Creating a clipping mask from type....189
Creating type on a path 194
Warping point type 196
Designing paragraphs of type....197

8 VECTOR DRAWING TECHNIQUES 206

About bitmap images and vector graphics....208
About paths and the Pen tool 209
Getting started 209
Using paths with artwork 210
Creating vector objects for the background....218
Working with defined custom shapes 224
Importing a Smart Object....227

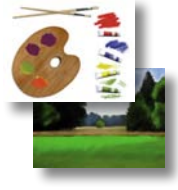
9 ADVANCED COMPOSITING 232

Getting started 234
Assembling a montage of images 234
Applying filters 243
Hand-coloring selections on a layer 246
Applying Smart Filters 252
Adding drop shadows and a border 254
Matching color schemes across images....256
Automating a multistep task 258
Stitching a panorama 262
Finishing the image....264

10 EDITING VIDEO 268

Getting started 270
Creating a new video project....271
Animating text with keyframes....274
Creating effects....276
Adding transitions 281
Adding audio....282
Muting unwanted audio 283
Rendering video....284

11 PAINTING WITH THE MIXER BRUSH 288



About the Mixer Brush 290
Getting started 290
Selecting brush settings 291
Mixing colors....295
Creating a custom brush preset 298
Mixing colors with a photograph....300

12 WORKING WITH 3D IMAGES 308

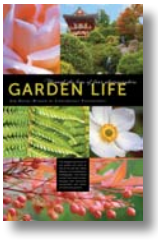
Getting started 310
Creating a 3D shape from a layer 310
Manipulating 3D objects....312
Adding 3D objects....314

Merging 3D layers to share the same 3D space 318
Positioning objects in a scene 319
Applying materials to 3D objects 326
Lighting a 3D scene 332
Rendering a 3D scene 334

13 PREPARING FILES FOR THE WEB **338**

Getting started 340
Creating slices 343
Exporting HTML and images 349
Using the Zoomify feature 354
Creating a web gallery 355

14 PRODUCING AND PRINTING CONSISTENT COLOR **360**



About color management 362
Getting started 364
Specifying color-management settings 364
Proofing an image 365
Identifying out-of-gamut colors 366
Adjusting an image and printing a proof 368
Saving the image as a CMYK EPS file 370
Printing 371

INDEX **374**