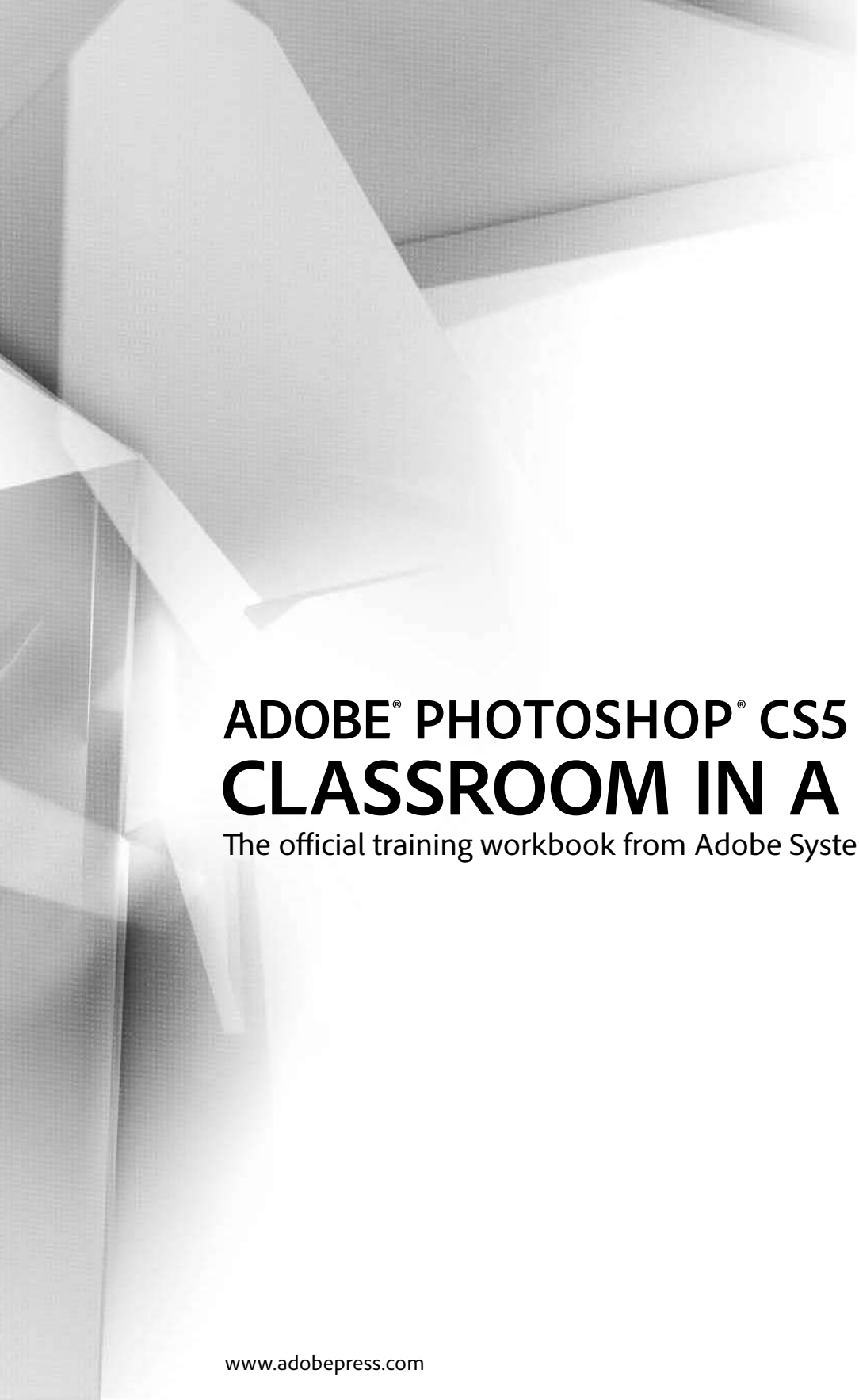


ADOBE® PHOTOSHOP® CS5
CLASSROOM IN A BOOK®

The official training workbook from Adobe Systems

www.adobepress.com

Adobe

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 10

Lesson overview. 10
Starting to work in Adobe Photoshop 12
Using the tools 16
Using the options bar and other panels. 24
Undoing actions in Photoshop 27
Customizing the workspace. 34
Finding resources for using Photoshop 38
Checking for updates 39
Tools panel overview. 40
Review questions and answers 45

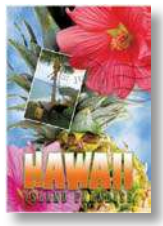
2 BASIC PHOTO CORRECTIONS 46

Lesson overview 46
Strategy for retouching 48
Resolution and image size 49
Getting started 50
Adjusting the color in Camera Raw 51
Straightening and cropping the image in Photoshop 53
Replacing colors in an image 54
Adjusting saturation with the Sponge tool 56
Repairing areas with the Clone Stamp tool 57
Using the Spot Healing Brush tool 59
Using content-aware fill 60
Applying the Unsharp Mask filter 61
Saving the image for four-color printing 62
Review questions and answers 65

3 WORKING WITH SELECTIONS 66

Lesson overview 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
Refining the edge of a selection 86
Review questions and answers 93

4 LAYER BASICS 94



Lesson overview 94
About layers 96
Getting started 96
Using the Layers panel 97
Rearranging layers 102
Applying a gradient to a layer 110
Applying a layer style 112
Flattening and saving files 117
Review questions and answers 121

5 CORRECTING AND ENHANCING DIGITAL PHOTOGRAPHS 122

Lesson overview 122
Getting started 124
About camera raw files 127
Processing files in Camera Raw 127
Merging exposures and applying advanced color correction 139
Correcting digital photographs in Photoshop 149
Correcting image distortion 153
Adding depth of field 156
Review questions and answers 159

6 MASKS AND CHANNELS 160

Lesson overview 160
Working with masks and channels 162
Getting started 162
Creating a mask 163
Refining a mask 164
Creating a quick mask 168
Manipulating an image with Puppet Warp 171
Working with channels 172
Review questions and answers 179

7 TYPOGRAPHIC DESIGN 180

Lesson overview 180
About type 182
Getting started 182
Creating a clipping mask from type 183
Creating type on a path 187
Warping point type 190
Designing paragraphs of type 191
Review questions and answers 197

8 VECTOR DRAWING TECHNIQUES 198

Lesson overview 198
About bitmap images and vector graphics 200
About paths and the Pen tool 201
Getting started 201
Using paths with artwork 202
Creating vector objects for the background 211
Working with defined custom shapes 216
Importing a Smart Object 218
Review questions and answers 224

9 ADVANCED LAYERING 226

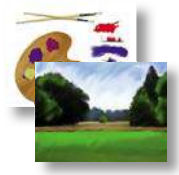
Lesson overview 226
Getting started 228
Clipping a layer to a shape 229
Setting up a Vanishing Point grid 231
Creating your own keyboard shortcuts 234
Placing imported artwork 235
Adding artwork in perspective 236
Adding a layer style 237
Placing the side panel artwork 238
Adding more artwork in perspective 239
Adding an adjustment layer 240
Working with layer comps 242
Managing layers 243
Flattening a layered image 245

Merging layers and layer groups 245
Stamping layers 246
Review questions and answers 247

10 ADVANCED COMPOSITING **248**

Lesson overview 248
Getting started 250
Assembling a montage of images 251
Applying filters 259
Hand-coloring selections on a layer 262
Applying Smart Filters 268
Adding drop shadows and a border 271
Matching color schemes across images 273
Automating a multistep task 275
Stitching a panorama 279
Review questions and answers 284

11 PAINTING WITH THE MIXER BRUSH **286**



Lesson overview 286
About the Mixer Brush 288
Getting started 288
Selecting brush settings 289
Mixing colors 292
Creating a custom brush preset 294
Mixing colors with a photograph 296
Review questions and answers 300

12 WORKING WITH 3D IMAGES **302**

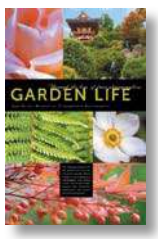
Lesson overview 302
Getting started 304
Creating a 3D shape from a layer 304
Manipulating 3D objects 306
Using the 3D panel to adjust lighting and surface texture 309
Merging two-dimensional layers onto 3D layers 312
Importing 3D files 313
Merging 3D layers to share the same 3D space 314

Adding a spot light 318
Painting on a 3D object 321
Using Repoussé to create 3D text 322
Creating a 3D postcard 323
Review questions and answers 329

13 PREPARING FILES FOR THE WEB **330**

Lesson overview 330
Getting started 332
Selecting a web design workspace 334
Creating slices 336
Exporting HTML and images 342
Using the Zoomify feature 346
Creating a web gallery 347
Review questions and answers 351

14 PRODUCING AND PRINTING CONSISTENT COLOR **352**



Lesson overview 352
About color management 354
Getting started 356
Specifying color-management settings 356
Proofing an image 357
Identifying out-of-gamut colors 358
Adjusting an image and printing a proof 360
Saving the image as a CMYK EPS file 362
Printing 363
Review questions and answers 364

INDEX **368**