

# Digital Photo Image Editing

- using Adobe® Photoshop Elements

## Workshop 18: REPAIRING AND RETOUCHING

Page 1

### Objective

Apply assorted tools & techniques to repair/retouch photos as desired.

### Exercise 18-01

Image 18-01 *mother teresa.jpg*

- Open the lab images Week 18 & select; ***mother teresa.jpg***.
- Zoom way in.
- Select face using your choice of tool (e.g. magnetic lasso)
- **Layer > New > via copy** (Control J)
- Use **Healing Brush** Tool to minimize wrinkles (align unchecked)
- Zoom In & use **Spot Healing Brush** on lips

Next objective is to lighten dark circles (eyes) and reduce overall wrinkles.

- Create Dodge & Burn Adjustment Layer
- **Layer > New > Layer**
- Name Layer **Dodge & Burn**,
- Set Mode to **Overlay** & Check box for **fill with 50% gray**, check **group w/ previous**, OK
- Find **Dodge Tool** > Size = 65, Range = shadows &/or mid-tones, Exposure =50% or more
- Repeatedly go over dark areas to lighten (no miracle here)
- Turn Layer 1 **On/Off** to observe results.
- **Reduce opacity of Layer 1** to 80% (?) for compromise.

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## Workshop 18: REPAIRING AND RETOUCHING

Page 2

### Exercise 18-02

Image 18-02 *jean-before.jpg*

- Open the Lab Images Week 18 - select *jean-before.jpg*
- **Layer > New Adjustment Layer > Levels**
- Name as **Luminosity**, Mode as **Luminosity** (to minimize color changes), **OK**
- Move **Shadow slider** to ~ 60, highlight to ~245. **OK**
- **Layer > New Adjustment Layer > Hue/Saturation**
- Name as **Red Blotches**, Mode as **Color**
- Select **Red** and reduce **Saturation** to -20. **OK**
- **Layer > Flatten Image**
- **Layer > Duplicate Layer (BG Copy)**
- **Healing Brush Tool** > Mode is **Lighten**, brush size 60, not aligned.
- **Select BG Layer**, Alt click above eye on right to select source.
- **Select BG Copy**, brush away wrinkles with short strokes. (to avoid alignment problems)
- **Reduce opacity of BG Copy** to ~50% (or your choice) to retain some of the distinguished look but with fewer wrinkles
- View **Actual Pixels** (100%) and move to teeth.
- Use **Quick Selection Brush** to select teeth.
- **Enhance > Lighting > Levels**. Drag **mid-tone slider** to left to about 1.25. **OK**
- **Enhance > Color > Hue/Saturation**. Select **Yellow**, then reduce saturation to ~-60. **OK**
- **Layer > Flatten Image**.
- Compare before & after

# Digital Photo Image Editing

- using Adobe® Photoshop Elements

## Workshop 18: REPAIRING AND RETOUCHING

Page 3

### Exercise 18-03

### Image 18-03 *Sculpture 3.jpg*

- Open the Lab Images Week 18 - select ***Sculpture 3.jpg***
- **Image > Rotate** 90 to right
- Zoom in > **Healing Brush** 20 pix > aligned, drag
- Repeat but NOT aligned > same result: why?
- When dragged, aligns anyway
- Repeat, but multiple starts > goes back to original (non-aligned) point

Repeat with Clone Stamp:

Same principle, but **Clone** just Clones;

**Healing Brush** clones but also blends or smooths.

Paint over cracks

- **Zoom in** on ear lobe
- **Elliptical Marquee** selection of lobe area
- **Layer > New Layer via Copy** (Control J)
- **Lock Transparency**
- Use **Healing Brush** to fill selection
- **Sample all layers**; make sure working to fill new layer
- Get **Burn Tool** 50%, 40 pix, darken bottom
- **Layer > Flatten Image**
- Use **Healing Brush** Tool to refine.
- Double click **Hand** to see overall result.

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## Workshop 18: REPAIRING AND RETOUCHING

Page 4

### Exercise 18-04

### Image 18-03 *LindasMom.jpg*

This exercise is an introduction to online tutorials from Wofford College (Spartanburg, SC)  
The tutorials are written for PSE 3 but are adaptable to later versions as well. The tutorials can be downloaded from: <http://webs.wofford.edu/whisnantdm/Training/Elements/>  
There are links to individual lessons as well as a link for the images.

- Open the Lab Images Week 18 - select: ***LindasMom.jpg***
- **Crop** to remove dark line on right and very bottom area. **Accept.**
- **Enhance > Lighting > Levels.**
- Move left slider to about 40. **OK**
- **Zoom in** on damaged tire.
- **Select** undamaged portion (upper right) using **Magnetic Lasso, Lasso &/or Selection Brush.**
- **Layer > New Via Copy** (Control J)
- **Image > Rotate > Layer** (not image) **180.** **OK**
- **Move tool** to reposition.
- **Layer > Flatten Image.**
- Lots of opportunities to remove imperfections, e.g. select shadow under running board (your choice)
- **Filter > Noise > Dust & Scratches.** Increase radius until acceptable.. **OK**
- **Zoom in** on car body. Use **Spot Healing Brush** to eliminate white specks.
- Use **Healing Brush** to eliminate line on running board.
- Use same to fix barn wall, upper right.
- **Enhance > unsharp mask filter.** Amount 200%, Radius = 2?
- Convert to B/W. **Image > Mode > Grayscale.** **OK** to discard color info.
- **Image > Mode > RGB** (to allow color back).
- **Enhance > Color> Hue/Saturation.** Click on **Colorize.** Try hue = 40, saturation = 40 for Sepia effect. **OK**
- Since this is picture of Linda's Mom, could crop just the girl.

### Optional Exercise 18-05

### Image 10-04: *falcon before.jpg*

- Open the Lab Images Week 18 - select ***falcon before.jpg***
- This is more of a lighting adjustment than true image repair, but let's try anyway.
- **Enhance > Adjust Lighting > Brightness/Contrast.** Pretty Good. **Reset**
- **Enhance > Adjust Lighting > Levels.** Move right slider left to start of base line. **OK**
- Continue to **Enhance > Lighten > Shadows/Highlights.** **Save as falcon after.jpg to desktop.**
- **Open new copy of *falcon before.jpg***
- Try **Enhance > various Auto adjustments > Smart Fix.** Surprisingly good.

**Advanced:** Notice the reflection of the glass case.

Use **Clone Stamp** to minimize. May want to make selection and new layer first.