

1-Day (simple techniques) Digital Photography using inexpensive DSLR's and iPhones for Teeth, Portraits, Digital Smile Design, and Shade Communication

Course schedule: (9:00AM-7:00pm)

9:00-10:00: Lecture: Photography overview- basics, camera selection DSLR and iPhone, camera settings—file type (Raw plus large Jpeg). White Balance settings, Discussion of basic camera functions: Aperture, f-stops, exposure compensation, metering options, magnification ratios, ISO settings, flash choice & configuration, depth-of-field.

10:00-10:30: Demo: camera set up and settings, setting file type, different image enhancement settings (i.e. normal and vivid) demo images at different f-stop settings and flash exposure compensation settings. Review images on the big screen

10:30-11:00: hands-on: camera set up and settings, setting file type, different image enhancement settings (i.e. normal and vivid) demo images at different f-stop settings and flash exposure compensation settings.

11:00-11:45: LECTURE: PORTRAIT AND FULL FACE SMILE DESIGN PHOTOGRAPHY, HIGH QUALITY SIMPLIFIED Studio TECHNIQUES. Discussion of simple studio lighting can enhance full-face photographs of the patient in “before” and “after” photos. Inexpensive continuous LED lights will be demonstrated for both the DSLR and iPhone. Also demonstrated will be the use of “The LightSpere II diffuser for high quality but simplified portraits. Students participate by photographing each other under differing lighting conditions with the simplified studio equipment and with the LightSpere II diffuser. Students will shoot three scenes demonstrated. Full face, lips relaxed, magnification of approximately 1:8, at aperture f8. Frame the subject from above the top of the head to just below the chin.

11:45am-12: 30pm: DEMO

Using the Lightspere II diffuser

1. Full face, lips relaxed, magnification 1:8-1; 10, aperture f8. Frame the subject from above the top of the head to just below the chin. (TWO IMAGES)
2. Profile, full smile, magnification 1:8-1; 10, aperture f8. Frame the subject from above the top of the head to just below the chin. (ONE IMAGE)
3. Esthetic portrait with reflector (4 OR 5 IMAGES)

Using the simple continuous lighting

1. Esthetic studio-quality portraits. Magnification about 1:8 aperture about F8
 - Using one strobe no reflector
 - Using ONE light with a reflector (SEVERAL POSES)
 - Using TWO lights, (one as a hair light), and one reflectors
 - Using TWO lights, (one as a hair light), and 2 reflectors

12:30-1:15: HANDS-ON.

Participants will break up into 2 groups. One group will do Studio portraits and one group will do the esthetic diagnostic images with the LightSpere II diffuser. Groups will switch after 30 minutes

GROUP 1:

Using the Lightspere II diffuser (20 minutes)

- Full face, lips relaxed, magnification 1:8-1; 10, aperture f8. Frame the subject from above the top of the head to just below the chin. (TWO IMAGES)
- Profile, full smile, magnification 1:8-1; 10, aperture f8. Frame the subject from above the top of the head to just below the chin. (ONE IMAGE)

- Esthetic portrait with reflector (4 OR 5 IMAGES)

GROUP 2: Using the continuous set-ups (20 minutes)

Esthetic studio-quality portraits. Magnification about 1:8 aperture about F8

- Using ONE strobe with a reflector (SEVERAL POSES)
- Using ONE strobe with a reflector (SEVERAL POSES)
- Using TWO strobes, (one as a hair light), and one reflector (SEVERAL POSES)
- Using TWO strobes, (one as a hair light), and 2 reflectors (SEVERAL POSES)

1:15-2:15: LUNCH

2:15-2:45: LECTURE

Smile Design Images and Dental Macro Images:

How to take the 3 smile design images at calibrated distance and the importance of an F-stop that is intermediate between a portrait and macro setting. Also, how to use the Smile design images to help control reduction during the preparation process. How to set the camera; control lighting, control intraoral conditions to obtain high quality macro exposures of teeth.

- Full face smiling 1:8 at f16
- Full face smiling cheeks retracted 1:8 at f16
- Full face smiling cheeks relaxed 1:8 at f16
- Cheeks retracted frontal view 1:3 at f32 (f22 ok) **TEETH END TO END**

With CONTRASTOR

- Cheeks retracted frontal view of maxillary anteriors 1:1 at f32 (f22 ok)
- Cheeks retracted right lateral view of maxillary anteriors 1:1 at f32 (f22 ok)
- Cheeks retracted left lateral view of maxillary anteriors 1:1 at f32 (f22 ok)

2:45-3:15: DEMO

Smile Design Images and Dental Macro Images:

- Full face smiling 1:8 at f16
- Full face smiling cheeks retracted 1:8 at f16
- Full face smiling cheeks relaxed 1:8 at f16
- Cheeks retracted frontal view 1:3 at f32 (f22 ok) **TEETH END TO END**

With CONTRASTOR

- Cheeks retracted frontal view of maxillary anteriors 1:1 at f32 (f22 ok)
- Cheeks retracted right lateral view of maxillary anteriors 1:1 at f32 (f22 ok)
- Cheeks retracted left lateral view of maxillary anteriors 1:1 at f32 (f22 ok)

3:14-4:00: HANDS ON

Smile Design Images and Dental Macro Images:

- Full face smiling 1:8 at f16
- Full face smiling cheeks retracted 1:8 at f16
- Full face smiling cheeks relaxed 1:8 at f16
- Cheeks retracted frontal view 1:3 at f32 (f22 ok) **TEETH END TO END**

With CONTRASTOR

- Cheeks retracted frontal view of maxillary anteriors 1:1 at f32 (f22 ok)
- Cheeks retracted right lateral view of maxillary anteriors 1:1 at f32 (f22 ok)
- Cheeks retracted left lateral view of maxillary anteriors 1:1 at f32 (f22 ok)

4:15-5:00: Lecture

Visual and Photoshop shade Analysis, Also the Basics of Photoshop Analysis **PSD**

Shade TOPICS COVERED:

- Importance of correct lighting
- Correct shade guide set-up
- Step-by-step visual shade taking process
- Shade photography
- Using and placing a gray card correctly in the image
- Using Camera Raw to correct exposure and tint and choose value
- Using Lab and HSB in Camera Raw and Photoshop to evaluate and choose color

PSD TOPICS COVERED:

- Creating layers
- Morphing using the liquify tool
- Creating teeth using the polygon selection tool then transform tools
- Bleaching using the dodge tool

5:00-6:00: DEMO AND HANDS ON

Visual SHADE TAKING AND SHADE PHOTOGRAPY Participants take visual and computerized shade on partner, also shade photography.

- Step-by-step visual shade taking process
- Shade photography
- Using and placing a gray card correctly in the image

6:00-7:00: DEMO AND HANDS ON

Basics of Photoshop Smile Design **PSD**

- Creating layers
- Morphing using the liquify tool
- Creating teeth using the polygon selection tool then transform tools
- Bleaching using the dodge tool