



Photoshop exploration

Day 1

Day two

Day three

Biology

Photoshop techniques

photographic

Technology

Recording Life

field trip²

post processing

composition

ratios

camera care

portfolio 5 prints¹³

work day³²

Review³⁸

Key historical images

- Dorthea lange²⁹
- Yves Klein³⁰
- Man Ray³¹

Notes

1) Photoshop exploration

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2) field trip

The kids decided what to shoot in a brain storming session, then we went out for an hour on Berkeley's campus

3) levels

how to adjust for mid-tones and high and low end to get a proper exposure

4) curves

another way to adjust exposure

5) filters

The easiest way to "photoshop" an image quickly, changing the look and feel instantly.

6) ASA (iso)

Sensitivity to light, formerly in film it was the size of grain and sensitivity to light 50 iso, small grains, and low sensitivity, 1600 iso, high sensitivity but grainy. In digital it's signal to noise...insomuch as the higher the iso, the more "pixelated" the image will look, and the color will not be as good.

7) aperture

The size of the hole that lets light through, the larger the number, the less light is let in. ex. f 1.4 lets in twice as much light as f 2.

8) shutter speed

one step in the shutter speed scale corresponds to one stop in the aperture scale, twice as much light when going up one stop. Opening up a lens by one stop allows twice as much light to fall on the film in a given period of time, therefore to have the same exposure at this larger aperture, as at the previous aperture, the shutter speed is set twice as fast

9) moisture

No cameras in the rain

10) fingerprints

Rub in straight lines to clean, never in circular gringing motion

11) dust / dirt

Use air to blow off dust, then clean with soft cloths

12) drops

A good neck or wrist strap will help prevent drops

13) portfolio 5 prints

Properly balanced, turned in at the end of day two.

14) brain

Note crossover

15) naming convention

Name the layers, it prevents confusion

16) negative

two transpositions of light to get image. Light to neg film, light through neg to print.

17) positive

Slide film, only transposition of light light through film to display image

18) CMOS

Complementary metal-oxide-semiconductor

19) CCD

Charged coupled device

20) Van Dyke brown

gives brown and white prints.

21) cyanotype

gives blue and white prints

22) paint on emulsion

Liquid light is silver halide just like bw print paper

23) pinhole

only one focal length, can be made out of pretty much any light proof box with a photo sensitive material on the back

24) computing

Student brainstorm of how computers developed

25) Internet

Free flow of images accross space instantly

26) Recording Life

The main job of photography

27) evolution of perspective

How drawing in 1500s was changed by camera obscura and Alberti's window

28) evolution of art history

Art history is absolutely dependend on photography, because before that art relied on verbal or written accounts or artist reproductions...there was minimal fidelity to the orig. image

29) Dortehea lange

Depression documentary

30) Yves Klein

"Photoshopping" jumping out of a window, perceived as true, though photographers have used photoshop techniques since the begining of the darkroom.

31) Man Ray

Alternate process

32) work day

Creative photoshop day

33) humor

Something funny

34) politics

Photo that expresses an ideal or political opinion

35) fine art

Beauty and expression through photography

36) documentary

Photo that tells a story

37) photojournalism

Photo with caption

38) Review

Going over day two ratios and composition guidelines one more time.