“There are no rules for good photographs, there are only good photographs.”
- Ansel Adams
Outline

- the pictorial elements of photography
  - line and form
  - pattern and texture
  - tone and color

- pictorial design, i.e. the design in the 2D picture frame
  - symmetry and balance
  - framing
  - common compositions

- things we won’t talk about today
  - situation, storyline, viewpoint, field of view, focus, lighting, exposure, color balance, post-processing
Learning good composition

✦ there are no rules
  • there are only tools and heuristics

✦ like describing wine with words, they don’t mean much
  • they merely give us a framework for thinking about issues

✦ the best way to learn is to take lots of pictures
  • think about the issues as you take them
  • critique your photographs, and have others critique them

✦ look at good photographs by others
  • famous photographs are seldom accidents; the photographer thought about pictorial design
  • most useful if you’ve also tried the same thing yourself
Lines as a pictorial element

Ansel Adams, Aspens, 1958
Arrangement of lines

(Freeman Patterson)
Lines as a decorative element

(Howard@photodelusions.wordpress.com)
Lines that lead your eye to the subject

(Freeman Patterson)
Lines that lead your eye to the subject

Hiromu Kira, The Thinker, 1930
Lines that lead your eye to the subject

- the lines don’t need to be man-made, or smooth
Raphael, 
Galatea, 1513
Form - lines with meaning

(Bryan Peterson)

first shot

second shot
Form - lines with meaning

Edward Weston, Pepper No. 30, 1930
Georgia O’Keeffe,
Grey Line, 1923
Shape - readily identifiable form

- backlighting draws attention to shape

(Bryan Peterson)
Shape - readily identifiable form
Pattern - repeated forms

(Bryan Peterson)

first shot

second shot
Pattern - repeated forms

Abhaneri Stepwell, Rajasthan, India
Frederick Evans,
The Sea of Steps -
Wells Cathedral, 1903
Louis-Émile Durandelle, Gallery of the Machines, International Exhibition of 1889, Paris
Rhythm - a looser kind of pattern

(Freeman Paterson)
Auguste Renoir, Le Moulin de la Galette, 1876
Texture:
fine patterns

- early product of f/64 club
- sharp focus, smooth papers
- reaction against Pictorialists

Ansel Adams,
Boards and Thistles, 1932
Texture

Edward Weston,
Dunes, Oceano, 1936

• co-founder of f/64
club with Ansel Adams
Frank Lloyd Wright, Fallingwater, 1934
Frank Lloyd Wright, Fallingwater, 1934

(photographs by Galen Frysinger)
Lighting as an aid to pictorial design

Fluor Garduño,
Basket of Light, Guatemala,
1989
Yousuf Karsh,
Winston Churchill, 1941

Rembrandt van Rijn,
Self Portrait, 1660
Tone as a pictorial element

Robert Mapplethorpe
Color as a pictorial element

(London)

(Hedgecoe)

warm

cool

pictorial
Color as an accent

(Hedgecoe)
Encircled by color

(Hedgecoe)
Giovanni Bellini, Altarpiece of S. Zaccaria, Venice, 1505
Color as rhythmic accent

(Hedgecoe)
Peter Paul Rubens, The Judgement of Paris, 1636
Pictorial design

- symmetry and balance
- framing
- common compositions
Symmetry

Arcade in Red Fort, Delhi, 2008

(Marc Levoy)

© Marc Levoy
Symmetry

Place du Carrousel, Paris, 2009
Asymmetry

• off-center placement of main subject underscores the asymmetry of the architecture

Montmartre, 2009

Rajasthan, 2008
Balance

- symmetrical background + dynamic, unbalanced foreground

(Freeman Paterson)
Framing
More dynamic framing

- shadow edges complete the frame
- slashing diagonals create tension

Dennis Stock,
James Dean,
1955
The picture frame

(Bryan Peterson)

first shot

second shot
Raphael, School of Athens, 1511
Yousuf Karsh,
Alberto Giacometti, 1965
Filling the frame

Leonardo, Mona Lisa, 1506

Yousuf Karsh, Clark Gable. 1948
or floating in space

Magritte,
The Castle of the Pyranees, 1959

Bernard Faucon,
The Room in Winter, 1986
Common compositions

- upright equilateral triangle
  - calm, stability, power
- diagonal
  - tension, discord, dynamism
- S-curve
  - motion, sensuality
  - eye flow
- rule of thirds
Titian, Madonna of the Pesaro Family, 1526

Raphael, Madonna with the Goldfinch, 1506
Raphael, Madonna with the Goldfinch, 1506

Titian, Madonna of the Pesaro Family, 1526
Titian, Venus of Urbino, 1538
As I mentioned in class, if we studied modern art instead of Renaissance art, we would see some of the same compositional designs, but also some new ones. We'll consider these when we cover modern photography towards the end of the course.
Photographic examples

Edward Weston, Charis Wilson Nude, 1936
Photographic examples

- diagonal leading to her eye
- eye and shoulder use rule of thirds
- stems create frame within a frame
- partially hidden face creates mystery

Jimmy Sin
http://www.pbase.com/aloha_lavina/librodo_workshop_malaysia
Photographic examples

- diagonal leading to her eye
- eye and shoulder use rule of thirds
- stems create frame within a frame
- partially hidden face creates mystery
S-curve

large collection of articles about photographic composition
S-curve

Ansel Adams, Tetons and Snake River, 1942
Pictorial design

St. Teresa’s Church, Bodega, California

(Samuel Schulenburg)

(Jay Bergeson - converted to B&W)
Pictorial design

Ansel Adams, 1953

(John Shappell)
Alfred Hitchcock, The Birds (1963)

Potter’s Schoolhouse and St. Teresa’s Church, Bodega
Parting thoughts  (from Fredo Durand)

- simplify your picture
  - avoid cluttered backgrounds

- reposition yourself
Parting thoughts

✧ simplify your picture
  • avoid cluttered backgrounds

✧ use a shallow depth of field
Parting thoughts

- simplify your picture
  - avoid cluttered backgrounds

- fix it in Photoshop
Parting thoughts

✧ simplify your picture
  • avoid cluttered backgrounds

• or leave it there!
Parting thoughts

- simplify your picture
  - avoid cluttered backgrounds
  - get close to your subject
Parting thoughts

✦ simplify your picture
  • avoid cluttered backgrounds
  • get close to your subject
  • fill the frame

(Bryan Peterson)
Parting thoughts

✧ simplify your picture
  • avoid cluttered backgrounds
  • get close to your subject
  • fill the frame

✧ avoid compositional errors
  • don’t center objects needlessly

© Marc Levoy
Parting thoughts

- simplify your picture
  - avoid cluttered backgrounds
  - get close to your subject
  - fill the frame

- avoid compositional errors
  - don’t center objects needlessly
  - keep the horizontal level, or make it wildly unlevel

(http://www.fotofinish.com/resources/centers/photo/takingpictures.htm)
Parting thoughts

✦ simplify your picture
  • avoid cluttered backgrounds
  • get close to your subject
  • fill the frame

✦ avoid compositional errors
  • don’t center objects needlessly
  • keep the horizontal level, or make it wildly unlevel
  • avoid accidental alignments

(http://www.fotofinish.com/resources/centers/photo/takingpictures.htm)
Parting thoughts

✦ simplify your picture
  • avoid cluttered backgrounds
  • get close to your subject
  • fill the frame

✦ avoid compositional errors
  • don’t center objects
  • keep the horizon level
  • avoid accidental alignments
  • sweep the frame to check for trouble
    - cropped element, distracting object, non-parallel line
Fredo Durand  (MIT)

http://people.csail.mit.edu/fredo/Photos/Links/
Fredo Durand (MIT)

- [http://people.csail.mit.edu/fredo/Photos/Favorites/](http://people.csail.mit.edu/fredo/Photos/Favorites/)
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Matthew Scott  (Stanford Dev Biology), Snowy Egret, Palo Alto Baylands
Susan McConnell (Stanford Biology),
Bull Elephant Seals, Año Neuvo State Park
Slide credits

.pow Fredo Durand