

The Camera

Technical Principle of Photography

Aperture

Shutter Speed

Depth of Field

Depth of Field Control (Preview or Scale)

Defocusing Technique for DF optimization

Exposure Metering

Metering Principle & Technique(s)

f/stop concept (Shutter, Aperture, Film Speed, Light Fall-Off...)

Reflective Metering

Incident Metering

Use of the 18% Gray Card

Using Camera as an Incident Meter

Dark/Bright Areas Effect on Metering

Films

Film Speed

Film Grain

Film Contrast

Push Processing Effect on Contrast and Grain

Film Reciprocity Effect

Film's Exposure Range (579 rule)

Film's Exposure Latitude

Color Films (Daylight, Tungsten, Infra Red)

Color Temperature

Color Saturation

Lenses & Filters

Image Circle

Normal Lenses

Wide Angle Lenses

Tele Lenses

Zoom Lenses (Focusing Technique)

PC Lenses

Macro Lenses

Optimal Lens Resolution

Perspective Control w/o PC Lens

Neutral Density Filters

Color Filters for BW

Polarizing Filters

Soft Focus and Special Effect Devices

Lighting

Natural Light

Artificial Light

Specular Light

Diffuse Light

Light Fall-Off
Light Quality
Lens Flare
Products Lighting
Creative Use of Light Source Reflection on Glossy Objects
Portrait Lighting
Catch Light
Using Reflectors, Diffusers, and Gobos for Contrast Control

Composition

Rule of Thirds
Positioning of the Theoretical Horizon Line
Line of Sight and Space Management
Use of Apparent and Virtual Lines.
Hierarchy of Elements
Cropping the Subject w/ an Element of the Composition
Contrasts of Shapes, Textures, Lines, Volumes, Cold/Warm ...) and their effect on the final photograph

Darkroom

Film Developing
Film Pushing (Effect on Contrast and Grain)
Basic B&W Darkroom Technique Theory
Advanced Darkroom Technique (Contrast Control, Burning, Dodging, Multiple Exposures)
Special Effects (Filters, Textures, Distortion of Paper, Objects in Neg Carrier...)

A/V Presentations

Power Point Slide Show featuring the works of renowned photographers.

ASSIGNMENTS / QUIZ

Students will be given approximately 10 weekly or bi-weekly assignments, as well as a quiz during the second half of the semester. Both assignments and quiz will account for the final grade.
