

San Diego City College
Intermediate B&W Photo 100
N. David King, Instructor

NAME: _____

DUE: _____ Grade: _____

PHOTO PROJECT:
"SIMPLE FILM & DEVELOPMENT CALIBRATIONS"

This project is to help you establish a proper Exposure Index (equivalent ASA/ISO) for your camera, film, developer, and development routine combination. (An E.I. is a calibrated film speed.) This will enable you to consistently produce a negative capable of yielding a full-scale print with a minimum of manipulation.

Subject

A person holding a Gray Card Out of doors. Position the person, standing, so that they are lit from the front or side by direct sunlight. The background can be anything but it must contain areas of dark but detailed shadows and bright but detailed highlighted areas. These highlighted and shaded areas should be large enough in the frame to see clearly ($1/4^{\text{th}}$ of the frame). The gray card should face the camera but not have hot spots or glare on it. Shoot with horizontal framing and as close as you can while still showing the entire person and the shadow/highlight areas.

Procedure

Use the film/developer combination you have chosen for the project and the camera (and meter) you will be using. Using the film's rated speed, take your reading from the gray card the person is holding. Get close enough so that it is ALL the meter is reading but watch that you do not throw a shadow on the card. If using an in-camera meter, set focus to infinity. Note the indicated exposure on the log on back.

STOP DOWN three (3) f-stops from the indicated exposure reading. Make sure that the shutter speed is not longer than $1/8$ second or shorter than $1/500$. Make an exposure. You will now make 11 more exposures, opening up one half ($1/2$) stop for each exposure until your last shot is 3 F-stops UP from the indicated reading. Repeat this sequence to complete the roll.

Now do EXACTLY the same thing on two more rolls so that you have shot **three identical rolls of film.**

Develop one roll at the normal time indicated for your developer. Be VERY precise with your timing and agitation cycles. Develop the second roll at 75% of the normal time and the third at 125% of the normal time but with EXACTLY the same temperature, time, and agitation. **Mark each roll so that you know which development version it represents.** Make a proper contact sheet for each roll.

NOTE: Carefully and accurately record all exposure and development data in your photo log and on the back of the contact sheets as appropriate. Also log the data for a typical series on the back of this form.

To Turn-in

In an 11x14 envelope, turn in...

1. This project sheet
2. 3 sheets of contact prints (one for each roll) with appropriate data
3. 3 rolls of negatives in file pages

Film/Development Calibration Log

STUDENT:		DATE OF SHOOT:
CAMERA:	LENS:	WEATHER:
FILM:	RATED SPEED:	METER:
INDICATED EXPOSURE:	DEVELOPER/DILUTION:	"N" DEVELOPMENT TIME:

ROLL ONE: NORMAL DEVELOPMENT		ROLL TWO: 75% DEVELOPMENT		ROLL THREE: 125% DEVELOPMENT	
E.I.	Notes	E.I.	Notes	E.I.	Notes

Instructor's Notes:

Your E.I. for this combination is:

Your Development combination is:

Instructor's Notes on Project/Grading: