

# AV INSTRUCTIONAL GUIDE

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## *Using a 35mm SLR Camera & Accessories*

### Introduction

35mm Single Lens Reflex (SLR) cameras and accessories are used to create photographic still images for print or slide film. A variety of courses and curriculums at Kwantlen Polytechnic University require the student to be functional with 35mm photography equipment.

### Terminology

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Term	Definition
Aperture	<i>The size of the lens opening through which light passes</i>
ASA	<i>A numerical rating that describes the sensitivity of film to light.</i>
Depth of Field	<i>The range of allowable focusing error which will still produce an acceptable sharp image..</i>
Exposure	<i>The intensity of light multiplied by the length of time it falls on a light sensitive material; specifically, the combination of shutter speed and aperture.</i>
F-Stop	<i>The common term for the aperture setting of a lens.</i>
Shutter	<i>A mechanism that opens and closes to admit light into a camera for a measured length of time.</i>

### What's in the bag

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|-----------------------------------|---------------------|-----------|
| ✓ 35mm Camera with 50mm lens      | ✓ Cable Release     | ✓ Flashes |
| ✓ Assorted wide-angle & zoom lens | ✓ Flash Sync cables |           |
| ✓ Tripod                          | ✓ Filters           |           |

### Care

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- ✓ Keep away from extreme temperatures, heat, cold and moisture.
- ✓ Always use lens with UV or Skylight filter to protect glass.
- ✓ Camera controls should work smoothly. Do not force to adjust
- ✓ Use only lens cleaning tissue or soft lint less cloth to clean the lens.

## Get familiar with these parts of the Equipment

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Shutter Speed Dial	Viewfinder	Film Rewind knob
Frame Counter	Focus Ring	Flash Hotshoe
Aperture Ring	Film advance lever	
Film Speed Dial	Shutter Release	

## Basic operation

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- Step 1** *Load film and advance to first frame:* Make sure film is securely attached to take up spool. Close camera back firmly It should click into place. Advance film to first frame.
- Step 2** *Set camera ASA setting:* Use the film speed dial to adjust camera's ASA setting to correspond with the ASA speed of the film you are using.
- Step 3** *Frame and focus subject:* Look through viewfinder and compose your photograph. Focus on desired subject using the Focus Ring on the lens.
- Step 4** *Adjust camera settings for correct exposure:* Adjust the lens aperture (F-stop) and the camera shutter speed to obtain correct exposure settings, indicated by the camera's light meter.
- Step 5** *Take the photograph:* Look through the Viewfinder and depress the Shutter Release Button. Apply light but steady pressure with the ball of your index finger

## Operating Tips

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- ✓ To extend battery life, always keep the lens cap on when camera is not in use..
- ✓ Film is loaded correctly if you see the Film Rewind Lever rotate each time the Film Advance Lever is used. This indicates film is being pulled from the film cartridge on the take up spool.
- ✓ To avoid image blur use a tripod. Always use a tripod when shutter speed is below 1/30<sup>th</sup>.

## Advanced Features/instructions

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- ✓ Film is considered "fast" or "slow" according to ASA rating. A lower ASA rating such as 64 ASA requires more light for correct exposure than higher rating such as 400 ASA.
- ✓ When in doubt about correct exposure take several bracketed shots. You bracket around a shot by taking one regular shot then a second shot slightly darker. (-1 stop) then a third shot slightly higher (+1 stop)

## Troubleshooting

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Film Advance Lever does not move smoothly	Film may not be loaded correctly. Reload film. Ensure film is firmly wrapped around take-up reel.
Light meter does not react to light	Battery may be exhausted. Return for replacement battery.

## Training

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If you would like to book a training session, please call the Audiovisual Technician at the campus nearest you to setup an appointment.

An Audiovisual Technician is available Monday – Friday 8:30 am – 4:30pm.

Langley campus	(604)599-3209	Richmond campus	(604) 599-2582
Cloverdale campus	(604)598-6041	Surrey campus	(604) 599-2216