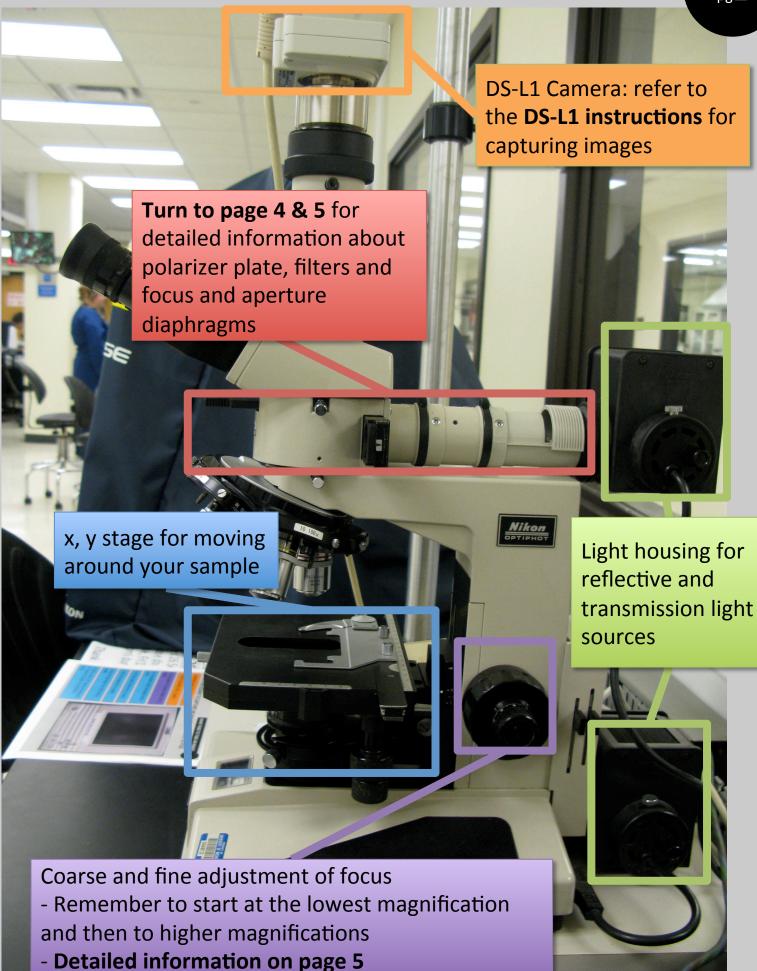


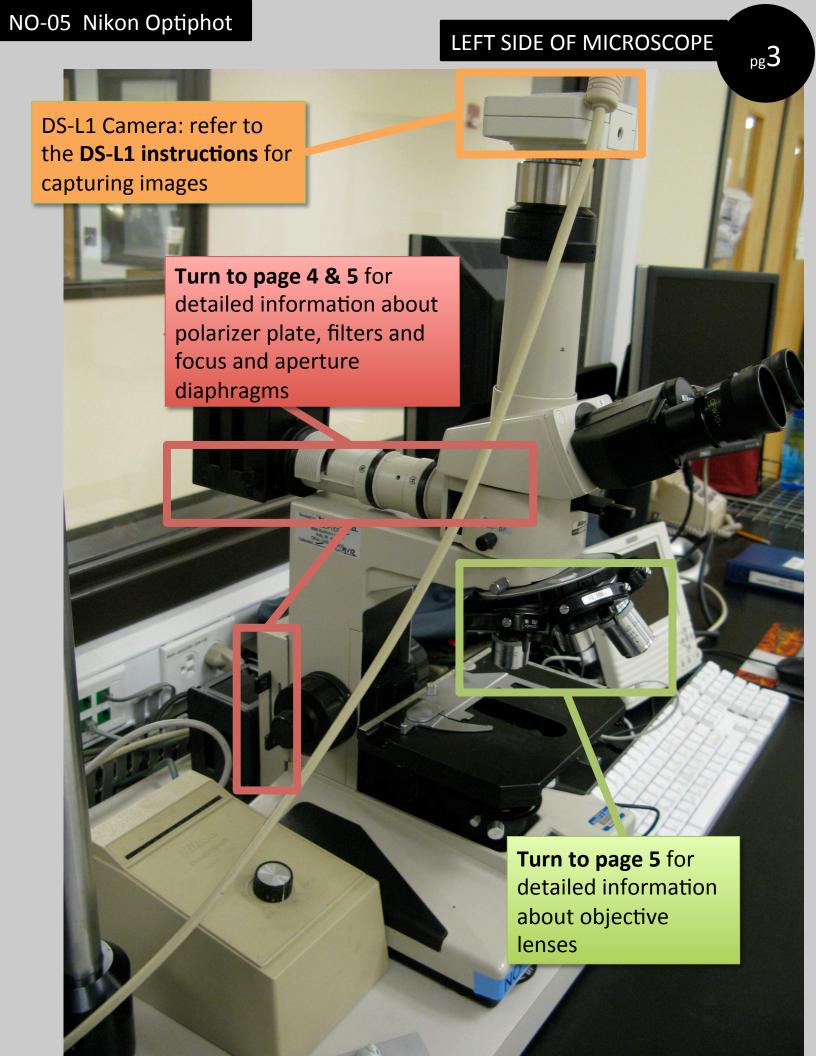
Nikon

Light source control for reflective and transmitted light sources
-Make sure to be above **6V**

for stable light source for imaging purposes

PLEASE KEEP THIS COPY WITH MICROSCOPE



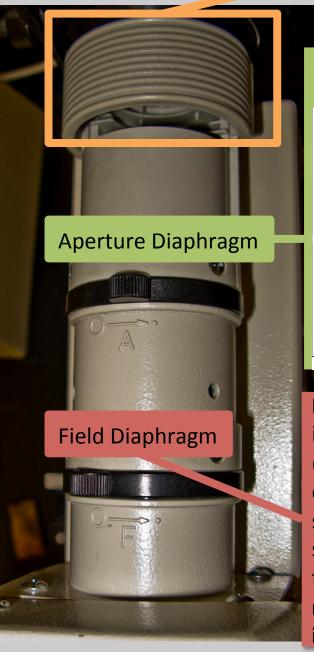


Filters:

- Filters are place in front of light source
- -ND32: Neutral Density, reduces light without altering color
- -GIF: Green interference filter, used in b&w imaging for higher contrast







Aperture Diaphragm:

	Resolving Power	Contrast	Depth of focus	Brightness
Aperture diaphragm open 100%	High	Low	Shallow	Bright
Aperture diaphragm stopped down	Low	High	Deep	Dark

Field Diaphragm: The field diaphragm is used to restrict the illumination range (observation range). The residual diffused reflected light occurring on the specimen or lens is restricted by stopping the field diaphragm down to the required range. As a result, flare is reduced and a high contrast specimen image can be observed.

pg5

Detailed image of focus knob



BD: Brightfield/Darkfield

Plan: Samples should be flat

100: 100x objective lens0.90: Numerical Aperture

Dry: Type of immersion

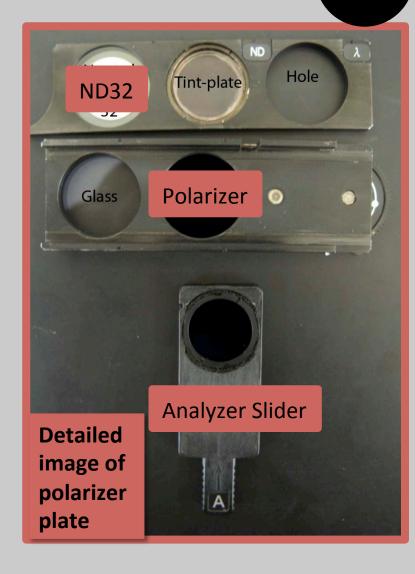
210/0: Tube Length/Thickness

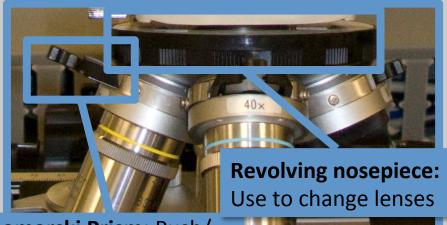
of cover glass

DIC: Differential Interference

Contrast Microscopy







Nomarski Prism: Push/ Pull=In/Out Extra height information revealed when using with polarizer

