Protocol for using A.G. Heinze Compound Light Microscope
Treseder Lab

Setting the Condenser and Aperture:
(to be done each time the scope is turned on)

1. Turn on the light source (switch is toward the back on the right side)
2. Put a slide on the stage as a reference point; make sure the slide is firmly held by the stage clips
3. Make sure the aperture/phase contrast wheel is set to “A”
4. Turn the condenser all the way down until just a small circle of light remains when viewed through the eye pieces by turning the flat outer black circle all the way counterclockwise (located on the bottom of the scope just above the “A.G. Heinze” sticker)
5. Center this small circle by adjusting the two small silver knobs located at 45-degree angles just above the condenser
6. Open the condenser (clockwise) so that the spot of light fills but is just inside your field of vision when viewed through the eye pieces.
7. Sharpen the spot until you see an octagon with smooth, defined edges using the small black knob located behind the aperture and directly above the course and fine focus knobs on the left side of the scope.
8. Open the condenser such that light fills your field of vision when viewed through the eye pieces.
9. Use the small, black ridged piece directly under the aperture/phase contrast wheel to adjust the intensity of the light such that the light just starts to become dimmed.

Focusing and Viewing the Slide:

1. The two large knobs towards the bottom of the scope to the left and right are the course focus knobs. Use these first to get a course adjustment of the image.
2. The smaller knob protruding from the left course focus knob and the face of the right course focus knob containing notches are both fine focus knobs. Either can be used to fine-tune the focus of the image.
3. The bar hanging down from the right side of the stage moves the stage around. The top ridged black part moves the stage up and down, while the lower part moves the stage left and right.