

Microscope Care and Adjustment

- Microscope care:
1. Always carry the scope with TWO hands.
 2. Wipe lenses with lens paper only. (If you don't know where it is – ask).
 3. Operate scopes at minimum brightness necessary
 4. Turn the turret, not the objective lens.

Adjusting the microscope:

1. Condenser Lens height adjustment:
 1. Select lowest power objective lens
 2. Fully reduce lower iris
 3. While looking through scope, bring the iris' image into sharp focus using the large black knob on the sub-stage unit.
 4. Center the image with the symmetric silver knobs on the front of the substage.
 5. When completed, open iris just past field of view
2. Polarizer adjustment
 1. Put in the top polarizer or analyzer
 2. Accessory plate must be in neutral position
 3. Rotate lower polarizer until field of view is entirely dark. The lower polarizer is on the bottom of the substage. It should click into the correct position.
3. Centering the stage
 1. Place silver accessory knobs onto the brass studs on the stage
 2. Select lowest power lens
 3. Place a section on the stage and rotate it while looking through the scope
 4. Adjust knobs so that the center of rotation is directly under the crosshairs.
 5. Remove and return knobs when completed.
4. Centering medium and high power objectives
 1. Place silver knobs on set screws in the turret that are adjacent to the lens that is to be adjusted.
 2. Repeat steps 3-5 from the last section for both lenses.

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For more information, see the lecture notes section.