## Chapter 4: Microscopes Revised: Spring 2007

## **Learning Objectives for this lab:**

- 1. Learn proper care and handling techniques of the microscope.
- 2. Identify and understand functions of selected microscope parts.
- 3. Become proficient at focusing a microscope.
- 4. Learn microscope terminology.
- 5. Learn to use the microscope as a measuring tool.

## Contents of this laboratory handout:

	Introduction	34
	Care of the Microscope	35
	Parts of the Microscope	36
	Focusing the Microscope	39
	Key Terminology	40
	Exercises	
•	Exercise 1: Calculating magnification	41
•	Exercise 2: Examination of the letter "e"	41
•	Exercise 3: Depth of field, silk fibers	43
•	Exercise 4: Effect of changing objectives	43
•	Exercise 5: Preparing a wet mount	44
	The Stereoscopic Dissecting Microscope	45
	Estimating the size of microscopic objects	46

Microscopes: 33