

General Learning Objectives:

By the end of this class you should understand:

- How to safely and effectively operate a microscope
- The general structure of a cell and the function of its primary components
- The processes of diffusion and osmosis
- The purpose and stages of mitosis

Key Laboratory Skills:

- Visually locate and identify a cell
- Identify and predict effects of osmosis
- Identify stages of mitosis and the primary actions at each stage

Laboratory Procedure:

- Exercise 3: Introduction to the Microscope
 - Exercise 3-1: Introduction to the Microscope
 - Exercise 3-2: Focusing the Microscope
- Exercise 4: Cytology
 - Exercise 4-1: Introduction to the Cell
 - Exercise 4-2: Diffusion
- Individual Credit: Cell, Tissue and Mitosis drawings
 - p69
 - p79-80
- Group Credit: Explain diffusion and osmosis