

This introductory lab helps students develop the concepts and skills needed to perform scientific investigations, carry out experiments appropriately, and write reports. Students will apply what is learned in this lab to the Metabolism and Human Physiology labs later in the course.

Concepts: scientific method; formulating a null hypothesis; statistical analysis; reject/accept a null hypothesis by interpreting a p-value; scientific report structure.

Skills: calculating a p-value using a t-value and a table; using a web database to retrieve demographic data; using PubMed or other academic database to retrieve a peer reviewed article.