

Name: _____

Physics 261: Survey

This survey will not affect your grade. It is intended only to provide feedback that will help to improve the instruction in the class.

1. What is your major?
2. What are your career plans (at present!)?
3. Why are you taking Physics 261?
4. Do you plan to take Physics 262 and 263?

Physics Background

1. What physics courses have you taken at Ohio State (or elsewhere)?

Mathematics Background

1. What math courses have you taken at Ohio State?
2. Rate your knowledge of the following math topics on a scale of 1 to 5, with 1 meaning you know very little about the topic and 5 meaning you are confident you could solve problems involving the topic.
 - a. trigonometry (e.g. $\sin \theta = \text{opposite/hypoteneuse}$)
 - b. vectors (e.g., $\vec{\mathbf{A}} \cdot \vec{\mathbf{B}}$, $\vec{\mathbf{A}} \times \vec{\mathbf{B}}$):
 - c. differentiation (e.g., $\frac{d}{dx}(\cos ax)$):
 - d. integration (e.g., $\int x^3 dx$):
 - e. Taylor series (e.g., $\frac{1}{1-x} = 1 + x + x^2 + \dots$):
 - f. differential equations (e.g., $\frac{dx}{dt} = -at$):
 - g. complex variables (e.g., $i = \sqrt{-1}$):

Computer Background

Note: *No prior computer experience is required for this course!*

1. Have you used a symbolic manipulation program such as Mathematica or Maple?
2. What computer courses (if any) have you taken at Ohio State?
3. What computer languages (if any) do you know fairly well? (That is, you can write a simple program.)