Student Info and Pre-Course Assessment

Please upload via Canvas as a PDF by 11:59pm on August 24th to earn bonus points toward your HW grade.

uNID: _____ Preferred name for this class: _____

Student names from the campus directory are provided on the course roster; if you have a preferred name that is not listed there, please tell me here. These can be edited by you in CIS and in your profile on Canvas, where preferred pronouns can also be set.

Preferred pronouns for this class: _____

I will do my best to use the name and pronouns you'd like me to use in this course. For example, I (Prof. Wik) use the pronouns he/him/his.

Year & (intended) Major: _____

Write "undecided" if undecided you are.

Why did you sign up for this course? Any and all reasons are welcome – heard it was an easy class, considering a physics or astronomy major, etc.

What AP or college-level physics and mathematics courses have you taken?

For courses not at the U, please provide the full class title.

What astronomy courses or experiences have you had before, at any level?

Are you taking any other physics, astronomy, or math courses this semester? If so, which one(s)?

What are you looking forward to getting out of this course?

Pre-Course Assessment

These questions will **NOT** be graded or used in any way for official assessment. They are just to help me understand the class's background. If you don't know an answer, take your best guess.

1. In Newton's First Law, $\vec{\mathbf{F}} = m\vec{\mathbf{a}}$, what does the m stand for? What does the $\vec{\mathbf{a}}$ stand for, and why is there an arrow over it?

2. What is angular momentum?
   Can give a qualitative description, equations, a diagram, etc.

3. What is a Doppler shift?

4. Why is the North Star special?

5. Why does Earth have seasons?

6. Is the Universe expanding, collapsing, or static? How do we know?

7. What is the value of x? : $\log_{10}(x) = 3.0$

8. What is x in decimal notation? : $x = 2 \times 10^{-3}$

9. Find an expression for $T(r)$: $dT/dr = A \times r^2$