

# Physics 21 Questionnaire

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Please return this questionnaire during the Jan. 5 lecture.

1. What is your name and perm number?
2. What is your preferred e-mail?
3. What are you most likely going to major in?
4. Can we post your scores on the internet **without** your name but keyed with a secret code?  
(yes or no)
5. Do you have your own computer? What type (e.g. Windows PC/MAC/Linux)?
6. Do you have internet access at your residence?
7. Did you learn calculus while you were in high school?
8. Did you take a physics class in your last two years in high school?
9. What math course are you now taking?
10. Two times are available for the calculus enrichment section, which will also enable you to learn some Mathematica, a symbolic computing program. The two times are Tuesday, 2-2:50pm, and Thursday, 2-2:50pm. Which is more convenient for you?

11. The Physics Department is considering changing the schedule so Physics 21 would start in the fall quarter, and adding a sixth quarter (Physics 26), in order to allow the material to be covered in a less rushed fashion. Do you support this idea?

12. What is the derivative of  $\sin[\sqrt{5 + x^2}]$ ?

13. What is indefinite integral of  $5x^4$ ?

14. Evaluate the determinant:

$$\begin{vmatrix} 3 & 5 \\ -2 & -1 \end{vmatrix}$$