

Physics 360 Student Survey

About you

1. Your name (last, first, middle): _____

2. Preferred Nickname: _____

3. Box # _____ Phone # (dorm or cell) _____ Class(Fr,So,Jr,Sr) _____

4. Probable major _____ Academic adviser _____

5. What year did you take Differential Equations, '11, '12, '13? Here or elsewhere?

6. What other math courses have you taken (I prefer names, not numbers)?

7. What kinds of applications are you particularly interested in? Theoretical physics? Mathematical biology? Mathematical economics? Computer simulations?

8. Is there anything the instructor should know about you? (Re: health, job schedule, athletics, extra courses, particular difficulties in learning or studying, etc.)

9. Have you purchased a textbook for this course?

(turn over)

Please indicate your sense of competence with the following
(NOTE - I'm not assuming many of you to have a background in much of this material; I'd just like to be informed if several of you happen to.)

(Circles correspond to: Great, O.K., SoSo, Weak, Poor/None)

Calculus

10. Integration by parts	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
11. Line integrals $\int \vec{F} \cdot ds$	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
12. Surface integrals $\int \vec{F} \cdot d\vec{A}$	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None

Computer

13. Excel	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
14. Sage	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
15. Python	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
16. Maple	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
17. Matlab	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
18. Any programming	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None

Matrices

19. Invert	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
20. Diagonalize	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
21. Wronskian	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None

Assorted Topics

22. Complex Numbers	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
23. Linear Vector Spaces	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
24. Change of basis	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
25. Separation of Variables	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
26. Linear ODE, constant coeffs	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
27. Series Solution (Frobenius)	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
28. Laplace Transforms	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
29. Fourier Analysis	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
30. Fourier Transforms	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None

Vector Calculus

31. Grad	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
32. Div	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
33. Curl	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
34. Gauss' Law	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
35. Stokes' Theorem	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
36. Green's Theorem	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None

Numerical Methods

37. Euler	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None
38. Runge-Kutta	Great	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Poor/None