

PHYSICS SENIOR SURVEY
April 2005

Please take a few minutes to complete this survey. You may also print out this form (choose "landscape" orientation), complete it and bring it to PHYS 217.

Your identity is confidential and the information you submit will only be used to

- Improve services to physics majors and physics alumni,
- Assist future graduating seniors with their graduate school or job searches

Your name will not be associated with any data you provide.

Your Physics Degree Option?

Regular Honors Applied Physics Honors Applied Physics Teaching Other

SECTION I

Physics Education

For each of the following statements, please indicate your response by the appropriate code and filling in the circles next to them:

SA = Strongly Agree; A = Agree; N = Neutral; D = Disagree; SD = Strongly Disagree

Math Curriculum

- | | | | | | | | | | | |
|---|----|---|---|---|---|---|---|---|----|---|
| 1. The required math courses are useful for physics. | SA | O | A | O | N | O | D | O | SD | O |
| 2. The Physics Department should provide supplemental math training. | SA | O | A | O | N | O | D | O | SD | O |
| 3. The Computer Skills that I developed in my education were adequate for me. | SA | O | A | O | N | O | D | O | SD | O |

Physics Curriculum

- | | | | | | | | | | | |
|--|----|---|---|---|---|---|---|---|----|---|
| 4. I am happy with the quality of instruction in physics. | SA | O | A | O | N | O | D | O | SD | O |
| 5. The Physics Department at Purdue University provides sufficient support for students when they have difficulties in coursework. | SA | O | A | O | N | O | D | O | SD | O |

- | | |
|--|------------------------------|
| 6. I received the background and preparation I needed for graduate school. | SA O A O N O D O SD O |
| 7. My physics coursework gave me sufficient depth and breadth to be successful in the Physics GRE exam. | SA O A O N O D O SD O |
| 8. I had ample opportunity during my physics education to design, execute and interpret experiments. | SA O A O N O D O SD O |
| 9. I had the opportunity to participate in a capstone experience such as PHYS 593. | SA O A O N O D O SD O |
| 10. I was able to participate in a service learning project, either in a class setting (PHYS 290M) or as part of a team (Society of Physics Students). This experience also gave me an opportunity to work as part of a team and to develop leadership skills. | SA O A O N O D O SD O |
| 11. As a result of my physics curriculum, I have developed logical thinking skills that can transfer to several different areas I may choose after graduation. | SA O A O N O D O SD O |
| 12. The physics classes I have taken in the department have taught me to analyze information based upon data, solve problems, and apply knowledge to practical situations. | SA O A O N O D O SD O |
| 13. The physics curriculum allowed students to develop flexibility in thinking and fostered creativity in applying concepts to solutions. | SA O A O N O D O SD O |
| 14. I have understood the value of lifelong learning, especially in technical areas. | SA O A O N O D O SD O |
| 15. The diverse environment in the Physics Department, especially among faculty and graduate students, has helped me develop appreciation for diverse experiences, thoughts and backgrounds. | SA O A O N O D O SD O |
| 16. I had good exposure to cutting-edge technology and tools during my education in the Physics Department. | SA O A O N O D O SD O |
| 17. What were the three best physics courses you took?
1)
2)
3) | |
| 18. What did you like best about the physics curriculum? | |

19. What did you like least about the physics curriculum?

20. Are there courses that you would like to see offered which are not available? If so, please indicate below:

21. Did you participate in undergraduate research?

If so, for how many semesters? (please all list PHYS 290, 490, 590, 593 or paid research experiences)

What did you like about this experience?

22. Did you participate in Summer Internships/ Coop Program? If so, where and when?

1)

2)

23. What is your overall comment about your Physics Department experience?

24. How could the Physics Department, Academic Advisors, or Center for Career Opportunity have been more helpful to you in your internship, graduate school or career research process?

25. For each of the following courses, please indicate your response by the appropriate code.

SA = Strongly Agree

A = Agree

N = Not Applicable/No Opinion

D = Disagree

SD = Strongly Disagree

Physics Course #	162	163	271	271L	342	342L	344	310	410	411	322	422	450	330	430	431	515	416	360	460	550	461	536	593	
Course content stimulated my enthusiasm in the subject																									
Instructor demonstrated thorough knowledge in subject																									
TAs of this class demonstrated thorough knowledge of material																									
Course curriculum was challenging																									
Course was organized well																									
The course was a valuable experience																									

SECTION II

Overall Education

- | | |
|--|------------------------|
| 26. My overall education provided me with good written and oral communication skills. | SA O A O N O D O S D O |
| 27. The curriculum helped me acquire the ability to make a 15-30 minute presentation and teach others. | SA O A O N O D O S D O |
| 28. My education gave me the required competitiveness for direct employment after graduation. | SA O A O N O D O S D O |
| 29. I can understand at least one foreign language as a result of College of Science curriculum requirements. | SA O A O N O D O S D O |
| 30. Some of my courses provided valuable training in writing through written reports and essay assignments. | SA O A O N O D O S D O |
| 31. I was able to gain a broad general education as a result of integrating physics requirements with the College of Science curriculum. | SA O A O N O D O S D O |
| 32. The required curriculum in College of Science gave me a multidisciplinary perspective and the ability to appreciate more than one discipline or perspective and to bring these diverse skills to bear on solving problems. | SA O A O N O D O S D O |
| 33. My interactions with the diverse faculty and TA's and/or my study abroad experience have contributed to my understanding and appreciation of Science in the world environment. | SA O A O N O D O S D O |
| 34. I have received the background and preparation I needed for furthering my career. | SA O A O N O D O S D O |

SECTION III
After-Graduation Plans

How would you describe your current situation? Please circle the correct response.

- Graduate School – Please complete the “Graduate School” section on next page.
- Accepted Employment – Please complete the “Employment” section on next page.
- I am in the career search process – Please check alumni section at www.cco.purdue.edu on a regular basis.

Other plans that do not fit categories listed – any information regarding your plans will be appreciated.

GRADUATE SCHOOL

(Please fill this section if you are planning to go to Graduate School, otherwise Please Move to Employment Section)

What Graduate Schools did you apply for?

At what other graduate schools was your application accepted?

At what graduate schools was your application rejected?

Where will you attend graduate school?

What degree will you seek?

- MS
- PH.D
- MD
- JD
- OTHER (TEACHING etc)

How much will you receive as a fellowship/stipend?

What was your Purdue University **GPA**?

Overall: Physics:

What were your **GRE** scores? (or MCAT/GMAT/LSAT/Other)

Quantitative: Verbal: Analytical: Subject (Physics): MCAT/GMAT/LSAT:

EMPLOYMENT

(Please fill this in case you have already found employment)

For whom will you work and where are they located?
Please feel free to offer your suggestion about this survey!

What is your job title?