

## PHY151 Conceptual Assessment

Done on Friday, Sep. 12, 2014 – first week of classes

186 students wrote the test. The average was 68.4%, and the median was 73.3% (8 perfect out of 186 students). Last year's pre-course for PHY151 was 68.3%, and the median was 70.0% (6 perfect out of 166 students). At Harvard, the typical pre-course average result is 60%.

We also asked seven survey questions:

31. What is your intended Program of Study (PoST)?
  - A. Physics specialist or physics-related specialist **51.4%**
  - B. Physics major + another major **14.7%**
  - C. Physical science other than physics, computer science or mathematics **13.0%**
  - D. Life sciences **3.4%**
  - E. other / haven't decided yet **17.5%**
  
32. What is the main reason you are taking PHY151?
  - A. It is required for my program **14.3%**
  - B. For my own interest **21.7%**
  - C. Both because it is required and because of my own interest **60.0%**
  - D. other / it's complicated **4.0%**
  
33. When did you graduate from high school?
  - A. 2014 **73.9%**
  - B. 2013 **13.1%**
  - C. 2012 **5.1%**
  - D. 2011 **1.7%**
  - E. other / earlier **6.3%**
  
34. In high school, did you take grade 12 physics or an equivalent course?
  - A. Yes **95.4%**
  - B. No **2.3%**
  - C. other / it's complicated **1.7%**

35. MAT137 or MAT157 or an equivalent course is a co-requisite for PHY151. When did you take the math course?

- A. I am taking it now **93.1%**
- B. Last year **2.9%**
- C. Two or more years ago **2.9%**
- D. I haven't taken this yet but plan to in the future **1.1%**
- E. other / it's complicated **0.0%**

36. Have you previously started but did not finish PHY131 or PHY151?

- A. Yes **4.6%**
- B. No **92.6%**
- C. other / it's complicated **2.3%**

37. What is your gender?

- A. Male **77.2%**
- B. Female **22.2%**
- C. other / neither of these are appropriate for me **0.0%**