

Email of 11/21/2008, PHYS360

Folks,

As per discussion in Friday's class (those of you who missed the class, read carefully):

Any student may (optionally) choose to do a 15-minute (power point) presentation for at most 2 bonus points added directly to your total class score (example: your total score for the class at the end is 89, so you might, if you do a good job on the presentation, end up with 91 for the course). I will let you know the exact length of your presentation on 12/1, after we have the final count of students who wish to participate.

Restrictions: I will not raise your letter grade to A+ via this route (example: your final score for the course is 96, an A. You get (up to) 2 bonus points on the presentation. Your final grade is still A, not A+).

Topics: You may choose a topic from chapter 12 and develop it, e.g., The EPR paradox, Bells Theorem, the no-clone theorem, Schrodinger Cat, or The quantum zeno paradox. Or you may choose to cover an application of QM, e.g., nuclear magnetic resonance, electron-spin resonance, other spectroscopies, quantum computing, etc.

Selection of topics: The topics will be assigned on the first come first serve basis, as determined by arrival of return email (yep, reply asap if you want to participate). Your email should list three topics in order of your preference. Emails lacking three topics will be disqualified (and you will have to re-email).

Deadline: A request for a topic must be submitted by Monday 12/1, 4pm. Topics cannot be requested after that time (and no bonus points).

Presentations: We shall do the presentation in the last week of classes, depending on how many people want to participate.

Grading: The presentations will be graded for clarity of explaining and resolving the (often bizarre) concepts. The score may be earned for up to 2 bonus points.