

Homework Assignment #11, Journal Club Presentation

This assignment is a *team* project; each person on the team will receive the same number of points for the assignment. Each team is responsible for fairly allocating the work among its members. If you believe a member of your team has not contributed proportionate effort, consult Professor Grosse Perdekamp.

1. Prepare an oral presentation, to be delivered jointly by all members of the team, that describes and critiques your article. Use the template that was presented in class to model your presentation. Plan on 15 min to present and 5 min for questions.
2. Schedule a 30-min meeting for at least two representatives of your team (everyone if possible) to meet with Professor Grosse Perdekamp to make sure you understand the physics. Be able to demonstrate your understanding of the paper or come with specific questions. Note that 25 of the total 75 “physics” points for the assignment will be based on this meeting. Plan to meet with Professor Grosse Perdekamp no later than 2:00 p.m. Friday, November 17.
3. Email a nearly final draft of your presentation to phys496@physics.illinois.edu **no later than 9:00 a.m. Monday morning, November 27**, for further physics and editorial suggestions. You will be given feedback on ways to improve your presentation.
4. **The final version of the talk must be emailed to phys496@physics.illinois.edu by noon on December 1.**
5. Present your talk on December 1 during class and answer audience questions about the paper.

Your presentation must include the following elements:

- (i) A summary of the work reported in the article.
- (ii) A recap of the paper’s principal conclusions.
- (iii) A critical evaluation of the work reported. Did the authors answer the question they set out to resolve? Did they extend previous work? Did they justify their conclusions? Do you believe that the work is important, the results significant, and the conclusions valid?
- (iv) An assessment of the impact of the paper. How important was it to further developments in the field?

To give everyone equal time to present, the 20-minute time limit will be strictly enforced. You should have no more than 8 “content” slides in your presentation to meet this time constraint.

Some form of standard presentation software should be used to prepare your slides; we recommend PowerPoint[®]. If you use some other program, provide a PDF file of your presentation to ensure compatibility with the hardware in Room 222. Be sure to embed your fonts!

Due Dates: **Team meeting with Professor Grosse Perdekamp—by November 17.**

Draft presentation—9:00 AM Monday, November 27, emailed to phys496@physics.illinois.edu.

Final presentation—Friday, December 1. Email the final version of your presentation to phys496@physics.illinois.edu by noon. Assignments submitted after the deadline will have points deducted and will be ineligible for rewrite points. This assignment is not eligible for rewrite points.

Total—150 points (75 physics, 75 communication)