

Presentation guide

One result, explained and defended

Wednesday, December 9, during class.
5 minutes speaking + 2 minutes of questions. Upload your presentation PDF by 11:59 PM, New York time on December 8. Remaining class time will be used for Exam III review. Exam III occupies the entire December 14 class.

A useful five-minute structure

Time	Purpose
0:00–0:40	State the question and why it is worth answering.
0:40–1:30	Define the model, essential assumptions, and decisive mechanical idea.
1:30–3:20	Explain the central result using one or two readable equations or figures.
3:20–4:30	Show the independent check and explain what it tests.
4:30–5:00	State the conclusion and its principal limitation.

Prepare for questions

Be ready to explain why you chose the formulation, which assumption matters most, what would change if that assumption changed, how you verified the result, and what part of the work you regard as your contribution. Questions are a collegial check of understanding, not a contest in advanced terminology.

Do not try to reproduce the full report. Normally four or five simple slides are sufficient. A prepared board presentation is also possible with instructor approval; submit a short PDF of its planned figures and equations by the same deadline. Speak to the room rather than read paragraphs from the screen.

Practical checks

Rehearse aloud with a timer. Test that axes, parameter labels, and equations are readable from the back of the room. Define symbols before using them. Avoid live coding or a live simulation as the only evidence; bring a static fallback. A short animation can support an explanation but should not consume the talk.

Your speaking time ends at five minutes so that everyone has equal opportunity for questions. The speaking schedule will be announced before presentation day. Do not plan to move unfinished presentations into the December 14 exam.

Evaluation and revision

The oral component is 20 project points: organization and question (4), explanation of mechanics and result (8), validation and limitations (4), and responses demonstrating ownership (4). Record useful questions after your talk and address them in the final report. An issue corrected convincingly in the report strengthens the report; it does not erase the separate evidence of the presentation. [Optional planning template](#) [Detailed rubric](#) [Package index](#)