Grading

• Semester-long research project - 50 %
• 3 Student-lead Paper Presentations - 30 %
• Reaction Reports - 10 %
• Class Discussion - 10 %

Auditing: Must present paper & participate in class discussion
Course Project (from lecture 1)

- Teams of 1 or 2 per project.
- Meet me this or next week for initial discussion.
- Decide on project within one month (by Feb 15\textsuperscript{th}).
- Set small goals throughout the semester.
- Meet me once in two weeks to show progress and discuss next steps.
- Write project report using conference-like paper format.
- Give final presentation/demo in May.
- If you get great results, we can even try to write a paper.
Course Project – Breakdown (1/2)

• Feb. 15: Decide on a topic for your project – 0% (no deliverables)
  – Settle on an idea for your final project. Picking an idea that is exciting, new, and relevant to the course can be hard; contact me if you need guidance/advise. However, note that the projects are to be largely self-driven.

• Feb. 22: Submit introduction section for your project - 5%
  – Use SIGGRAPH latex template for writing paper
  – **Motivation:** What problem are you trying to solve, and why is it important? How is your idea different from past works?
  – **Contributions:** What are you doing that is new and significant?
  – **Limitations:** What are the limitations associated with your approach?

• March. 8: Submit related work section for your project - 5%
  – Identify 10-15 papers as related work. Categorize and discuss the main idea behind each of these works. Explain how your idea is either different from these past works, or how your idea builds upon them.
Course Project – Breakdown (2/2)

• April 5: Submit methods section for your project – 5%
  – Technical section associated with your project (the “meat” of your idea). Section should have multiple subsections to organize ideas, and each subsection should start with a sentence that explains the conclusions of that section (i.e., what is going to be shown). Include figures to help illustrate ideas behind your work.

• May 9: Deliver full paper for your project – 25%
  – The paper should be at least 6 pages using SIGGRAPH template, not including references.
  – Paper should answer Heilmeyer Catechisms (next slide).

• May 9: Project presentations - 10%
  – 8 minute presentation + 2 minute Q&A.
  – Thursday May 9th, 8:30am –11:30am, Doherty Hall 1211
Heilmeier Catechism

Set of questions proposed to evaluate research programs

• What are you trying to do? Articulate your objectives using absolutely no jargon.
• How is it done today, and what are the limits of current practice?
• What is new in your approach and why do you think it will be successful?
• Who cares? If you are successful, what difference will it make?
• What are the risks?
• How much will it cost?
• How long will it take?
• What are the mid-term and final “exams” to check for success?