

# FRONTIERS IN ASTRONOMY — AST 25

## Class Presentation

### Your presentation—requirements

You will have six minutes to present; no more than two minutes of this time can be videos (YouTube, etc.). You can lecture from notes, use the whiteboard, or PowerPoint. I will give you a one-minute warning, but I will heartlessly silence you at the six minute point. Budgeting your time is the main challenge for most speakers.

Your presentation must have at least two high-quality images supporting your presentation. These can be in your electronic presentation, or photocopied for the members of the class.

You must also prepare a 1 page document summarizing your talk, which includes definitions for any new vocabulary introduced in your talk, and three references for your presentation.

After your presentation, you will field questions from the class, for up to two additional minutes (or longer, if class time permits).

### Grading

This presentation is worth 20 points (i.e., 6.67% of your class grade). You will be evaluated by your classmates, based upon the quality and clarity of your presentation. However, I will determine your class score for the presentation. You will also receive class credit (up to 10 points, 3.33% of your class grade) for your evaluation of your classmates: evaluate all of your classmates for the full 10 points.

The score I will assess will consist of the following:

Time usage, knowledge of topic, logical flow of presentation, supporting imagery (2 images required), summary and vocabulary page, Q and A period, speaker engagement. Deficiencies in each section can result in as much as 4 points penalty per section.

## Schedule

### 24 April

P01: Mr. Thaxton / False Vacuum Decay  
P02: Mr. Hesby / Galactic Jets  
P03: Mr. Cole / Unified Field Theory

### 26 April

P04: Mr. Pozzi / White Dwarfs  
P05: Ms. Reigel / Terrestrial Electromagnetism

### 1 May

P06: Mr. Gonzales / Photoelectric Effect  
P07: Mr. Killmer / Black Holes of Light

### 3 May

P8: Ms. Wehri / Ram Stripping  
P9: Ms. LaClair / Under-represented Astronomers  
P10: Mr. James / Ways to Die

### 8 May

P11: Mr. Burcham / Compact Objects  
P12: Mr. Bianchi / Jovian Satellites

### 15 May

P13: Ms. Wolken / Particle-Wave Duality  
P14: Mr. Biondi / Gravitational Waves