

Astronomy 496/596:  
**Star Formation**

MW 1400-1520  
134 Astronomy Building



**Leslie Looney**

**Phone: 244-3615**

**Email: [lwl@illinois.edu](mailto:lwl@illinois.edu)**

**Office: Astro Building #123**

**Office Hours:**

**Drop by or by appointment**

**<http://eeyore.astro.illinois.edu/~lwl/classes/astro505/spring15>**

**This Class (Lecture 2):**

Test Terms

**Next Class:**

First Paper

Music: *Molecules* – Atlas Genius

# Outline



- Papers are posted
- Test run of terms/questions.. Now I think about it, “questions” is the better term.

# Questions



1. How does HI emit?
2. How do molecules emit rotational lines?
3. What is a critical density for a molecular transition?
4. A molecular line emits at a specific frequency, so why is the emission usually a Gaussian with some width?
5. What is Jean's Mass?