

Exam

- Midterm is in class on Thursday, March 4th.
- Closed book, no notes, you can bring a non-programmable calculator.
- I will provide you with any equations and constants that you need, but you are responsible for understanding the terms and where the equation is applicable.
- Research project topics due by Friday, March 7th.

Types of questions

- Quantitative questions
 - Similar (but not identical) to problems given on problem sets
 - Solutions to problem sets can be found in Reading Room (530 Davey)
 - Examples:
 - Surface brightness profile (exponential disk + $r^{1/4}$ law)
 - Tully-Fisher or Faber-Jackson relations

Types of questions

- Qualitative questions
 - Short answer
 - Give 3 examples of evidence for dark matter discussed in class
 - What is the morphology-density relation?
 - Longer (~1 paragraph/few sentences) questions
 - Sketch out Hubble sequence + describe how various galaxy properties change as function of morphological type