

## Math 4/516 Final Exam Review Material

Closed book exam, no calculators allowed.

But, a 4" x 6" formula-card (both sides) will be allowed.

Coverage: Exams 1,2 Reviews; Sections 11.1-2, 12.2-3.

1. Terminology, Facts - Know formulas, be able to use:  
Chi-Square test, Kolmogorov-Smirnov test, Markov chain, transition probability, Hastings-Metropolis, Gibbs sampling.
2. Methods - Be able to describe and apply to problems:  
Chi-Square test, Kolmogorov-Smirnov test, Hastings-Metropolis algorithm, Gibbs sampling algorithm.

Suggested Review Problems: be able to describe methods for these problems.

11: 2, 4, 5; 12: 6, 9, 11.