

Department of Applied Mathematics and Statistics
The Johns Hopkins University

STUDENT SEMINAR

Kevin Byrnes
Dept. of Applied Mathematics & Statistics
The Johns Hopkins University

Tuesday, September 20, 2005
304 Whitehead Hall
4:00 p.m.

CURRICULUM GENERATION VIA CLUSTERING AND OPTIMIZATION

ABSTRACT

This problem-oriented talk is concerned with the generation of an optimal curriculum from a set of topics for courses. The presentation will discuss one multi-stage method for modeling this problem (a work in progress) using tools from graph theory and optimization. Of particular interest may be a discussion of potential pitfalls when modeling, and the robustness of the model to incorporate workarounds to these dangers.