

1023-R1-1679 **A. Bathi Kasturiarachi*** (bathi@stark.kent.edu), Department of Mathematics, Kent State University - Stark, 6000 Frank Ave,NW, North Canton, OH 44720. *Redesign of Undergraduate Mathematical Optimization*. Preliminary report.

This talk will focus on how a traditional undergraduate Mathematical Optimization course was redesigned to include more accessible topics in Operations Research. The rigor of mathematical foundations was not compromised in the beginning part of the course. Once the theory of mathematical optimization was established, the latter part of the course dealt with problems in Operations Research. In this portion of the course, students' experiential learning was enhanced by interactive use of Maple. (Received September 26, 2006)