

1014-T1-1568 **Nancy J Boynton*** (boynton@fredonia.edu), Mathematical Sciences Dept., SUNY Fredonia, Fredonia, NY 14063. *An Operations Research Course for Teachers.*

In teaching Operations Research courses for undergraduates I realized that there were topics that could be taught to high school students and could be used to make mathematics seem more relevant to high school students. In the summer of 2005, it was my turn to teach a course in our master's program for teachers, so I decided to teach Operations Research. The course focused on deterministic methods and primarily on linear programming. We used both graphical and algebraic approaches to solving problems with two decision variables and then went on to use the simplex algorithm. We used *Does This Line Ever Move?* by Chelst and Edwards, the website <http://www.hsor.org> and notes that I gave them. This course was taught for students working on a master's degree in mathematics education but a similar course could be taught for undergraduates preparing to become teachers. In addition to the usual kinds of assignments, the students made lesson plans for teaching a topic. (Received September 28, 2005)