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Glenn Hurlbert* (hurlbert@asu.edu), Dept. of Math. & Stats., Tempe, AZ 85287-1804. *Linear Optimization: The Simplex Workbook*. Preliminary report.

This is a course and text developed in discovery (modified Moore, inquiry-based) method style, supported by a National Science Foundation (CCLI-EMD) grant. The course is introductory and taught at ASU to undergraduate mathematics and computer science majors, pre-service and in-service high school teachers, and also beginning graduate students, and includes Maple and web-based supplements. We will discuss the course and its mathematical focus as well as the ongoing assessment of the materials, gathered from their use at a number of institutions big and small. (Received September 23, 2006)