

70 – 460 - MATHEMATICAL MODELS FOR CONSULTANTS  
CARNEGIE MELLON UNIVERSITY - SPRING 2009

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TR 10:30-11:50

Room 226 Porter/Baker Hall

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**Instructor Information**

Instructor: Jeffrey Paul Wheeler, Ph.D.  
Office: Room 381C Posner Hall.  
Office Hours: TR 12:00-12:00 or by appointment.  
Email: jeffreypaulwheeler@hotmail.com (recommended) or  
jwheeler@andrew.cmu.edu  
Website: <http://jeffreypaulwheeler.com/>

**Course Objectives**

This term is an abbreviated version of the regular course and, as such, we will not be able to cover the entire syllabus. We will focus on

- linear programming (including the Simplex Method)
- using Excel's built-in Solver to solve linear programming problems
- develop mathematical models of real problems
- integer programming
- nonlinear programming
- various topics in Combinatorial Optimization

**Evaluation**

Your grade will be based upon homework assignments and an open-notes Final Exam. The final will be roughly 20 – 25% of your total grade. As well, I follow the standard scale:

Grade	Percent
A	93 – 100
A–	90 – 92
B+	87 – 89
B	83 – 86
B–	80 – 82
C+	77 – 79
C	70 – 76
D+	67 – 69
D	60 – 66
F	< 60

**Calendar**

First Day of Class:	Tuesday, March 17
Spring Carnival (no undergraduate classes):	Thursday, April 17
Last Day of Class:	Thursday, April 30
Final Exam:	??? May 2,4-6