Network Optimization (Fall 2026): Homework 8

- AMO stands for the text (Ahuja, Magnanti, Orlin). Exercises and page numbers are listed from AMO.
- Exercises marked with a **[G]** target the graduate students (Math 566), but undergrads (Math 466) can attempt them for extra credit.
- The total points (given in parentheses) add up to 140. Math 566 students will be graded for 135 points, and Math 466 students for 115 points.

- **You must email your submission as a PDF file to kbala@wsu.edu**. You are welcome to write answers by hand, and scan the writings (or take pictures of your writings) **into a PDF file**.
- **Your file name should identify you in the following manner. If you are Blanket Jackson, you should name your submission BlanketJackson_Hw8.pdf. If you want to add more bits to the title, e.g., Math566, you could name it BlanketJackson_Math566_Hw8.pdf, for instance. But you should start the file name with BlanketJackson. Please avoid white spaces in the file name.**
- **Begin the SUBJECT of your email submission with the same** `FirstnameLastname`**, expression, e.g., "BlanketJackson Hw8 submission".**
- **This homework is due by 11:59 PM on Thursday, October 29.**

1. (20) AMO 6.6 **(a)** (pages 199–200).
2. (25) AMO 6.8 (page 200).
3. (20) AMO 6.11 (page 200).
4. (25) **[G]** AMO 6.18 (page 202).
5. (20) AMO 6.30 (page 203).
6. (30) AMO 6.34 (page 204).