

# Economics 519 University of Arizona

## Pre-Math-Camp Information, 2017

The Math Camp portion of Econ 519 begins on Wednesday, August 2. We'll meet for two-and-a-half hours every morning, prior to the beginning of the fall semester, and exercises will be assigned every day. (This includes Saturdays, but not Sundays, and not the days when the University has orientation sessions for PhD students.) We'll cover most of the concepts in Chapters 14-22 of *Mathematics for Economists* by Simon & Blume (henceforth denoted as S&B).

You should work through Appendices A.1 through A.4 and the first 13 chapters of S&B during the summer, before Math Camp begins. This should be mostly review for you, but it's important to do. I suggest working through the four appendices first. I've listed some exercises below from S&B that you should do as you work through the book. The starred exercises in the list (the ones with asterisks, \*) are to be turned in to be graded so I can see how you're doing. The ones in the appendices and Chapters 2-6 are to be turned in by July 15 (scan your solutions into a pdf file and email to Wendan Zhang, the Econ 519 TA: [wzhang357@email.arizona.edu](mailto:wzhang357@email.arizona.edu)). You will be provided with feedback on your solutions within a few days. The remainder of the starred exercises are to be turned in on August 2; if you wish, you may turn in some of these exercises with the others on July 15 to receive feedback on them as well.

- **Appendix A.1:** A1.3\*, A1.7\*.
- **Appendix A.2:** A2.4, A2.11, A2.12\*.
- **Appendix A.3:** A3.2, A3.8.
- **Appendix A.4:** A4.1, A4.2, A4.5, A4.6.
- **Chapter 2:** 1, 10\*, 13\*, 14, 17\*, 18\*, 20(abcgk), 23, 25.
- **Chapter 3:** 2, 8\*, 10, 15, 18\*.
- **Chapter 4:** 1, 2, 3, 5, 8, 9.
- **Chapter 5:** 2(ab), 4, 5, 6, 8, 9(ab), 11.
- **Chapter 6:** 6.3, 6.6, 6.7\*.
- **Chapter 7:** 2, 7\*, 8, 9\*, 12, 14, 15, 16, 18, 20, 22\*, 23, 27\*, 30.
- **Chapter 8:** 1(bc), 5, 8d\*, 10, 11, 15, 20\*, 23, 31\*, 38.
- **Chapter 9:** 2, 7, 11, 12, 13.
- **Chapter 10:** 10, 11, 12, 13, 14, 16\*, 33, 34, 41.
- **Chapter 11:** 1\*, 4\*, 6, 7\*, 9, 10\*, 11, 12, 14, 15.
- **Chapter 12:** 2, 4, 7a\*, 18\*.
- **Chapter 13:** 11, 12, 14\*, 22, 23.