

SYLLABUS FOR MATH304/502/503

Linear Algebra, Spring 2012

The syllabus for MATH304, Section 502/503, Spring 2012 given below is closely modeled on the suggested syllabus on the departmental website (where Chapter and Section numbers refer to the 8th edition of the textbook). There are, however, differences in emphasis on certain topics and the sequence of topics is reordered. Additional topics may be added if time permits. Please note that the syllabus below is a guideline only, especially as regards the timetable. The timing of the topics, and some of the content, may vary as we go along, depending on what transpires in class. I will keep the syllabus updated if need be.

SYLLABUS FOR MATH304/502/503:

Chapter and Section numbers refer to the textbook: Linear Algebra with Applications, Leon, 8th edition: §A.B refers to Chapter A, Section B.

Week 1: Introductory remarks, §1.1; §1.2; §1.3

Week 2: §1.3; §1.4;

Week 3: §1.5; §2.1; §2.2;

Week 4: §2.2; §3.1; §3.2;

Week 5: Review; EXAM I

Week 6: §3.3; §3.4; §3.6; §6.1

Week 7: §6.1; §6.2; §6.3;

Week 8: §5.1; Review;

Week 9: EXAM II; §5.2;

Week 10: §5.3; §5.4;

Week 11: §5.5; §5.6;

Week 12: (11/15; 11/17): §4.1; §4.2; Review;

Week 13: (11/22): EXAM III; Catch-up;

Week 14: Question/answer about take-home final; Review for multiple-choice final.