

## MATH 544 — Spring 2022— Notes about EXAM 1

- (1) Exam 1 is on Monday, February 7, 2022. The exam covers from the beginning of the course until the end of page 25 in the typed class notes.
- (2) **Be sure to MASTER all of the assigned homework.**
- (3) Be sure to MASTER all of the quizzes.
- (4) The material on the old **MATH 544** exams which is covered on your exam 1:
  - Exam 1's:
    - 97: 1, 2, 3, 4, 5, 7, 8, 9, 10.
    - 98: 1, 2, 3, 4, 5, 6, 7, 8, 9.
    - 01: 1, 2, 3, 4, 5, 6, 7, 9.
    - 02: 1, 2, 3, 4, 5, 6, 8, 10.
    - spring 03: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
    - summer 03: 1, 2, 3, 4, 5, 6, 7, 8, 9.
    - 04: 1, 2, 3, 4, 5.
    - summer 05: all
    - fall 05: all
    - summer 06: 1, 2, 4, 6, 7.
    - fall 06: all
    - summer 07: 1, 2, 3, 4, 5, 6, 7.
    - fall 09: 1, 2, 3, 4, 5, 6, 7, 8, 9, 12.
    - spring 11: 1, 2, 3, 4, 5, 6, 7, 8, 9.
    - summer 12: all
    - spring 16: all
    - fall 20: all
  - Exam 2's:
    - 97: 1, 2.
    - 98: 1, 2, 4, 5, 6, 10.
    - 01: 1, 2, 7, 8, 9, 10.
    - 02: 1, 7.
    - spring 03: 1, 2, 3, 4a, 4b, 4c, 6.
    - summer 03: 1, 2, 3, 4, 5, 7, 8, 9.
    - 04: 1, 2, 3, 4, 6, 7, 8.
    - summer 05: 1, 2, 4, 6, 7.
    - fall 05: 1, 7, 8.
    - summer 06: 9.
    - fall 06: 2, 8.
    - summer 07: 4, 5, 6, 7, 8.
    - spring 11: 1, 2, 3, 7, 9.

- summer 12: 1, 2, 3, 4, 5.
  - spring 16: 3, 7.
- Exam 3's:
  - 98: 6, 7
  - 01: 3, 4, 10.
  - 02: 6.
  - summer 04: 1.
- Final Exams:
  - 97: 9 (The matrices  $A$  and  $b$  are given before problem 6.), 14, 15, 16.
  - 98: 4, 5, 6.
  - 01: 4, 10e, 10f.
  - 02: 3, 8 (Solve  $Ax = b$  and then stop.), 15.
  - spring 03: 10, 11, 16, 17, 19.
  - summer 03: 11, 16, 17abc.
  - 04: 1ab, 4.
  - summer 05: 1ab.
  - fall 05: 1ab, 6, 16.
  - summer 06: 2, 3abc.
  - fall 06: 1, 6a.
  - summer 07: 2.
  - fall 09: 1.
  - spring 11: 1, 2.
  - summer 12: 7.
  - summer 16: 1, 3.