

## Notes on Exam 3, Math 544, Summer , 2012

1. Exam 3 is Tuesday, June 19. It covers sections 3.2, 3.3, 3.4, 3.5, and 3.6.
2. Be able to define “null space”, “span”, “column space”, “subspace of  $\mathbb{R}^n$ ”, “dimension”, “basis”.
3. The material on the old exams which is covered on your exam 3:
  - (z) Exam 1's:
    - 01: 8,
  - (a) Exam 2's:
    - 97: 3, 4, 5, 6, 7, 8, 9, 10.
    - 98: 3, 7, 8, 9, 10.
    - 02: 6.
    - 03: 5, 6, 7, 8
    - 04: 9, 10.
    - Summer 05: 7.
    - Fall 05: 3, 4, 5, 6, 9, 10.
    - Summer 06: 1, 2, 3, 4, 6, 7, 8, 9.
    - Fall 06: 1, 3, 4, 5, 7, 9.
    - Summer 07: 1, 2, 3, 7, 8.
    - Fall 09: 1, 2, 3, 4, 5, 6, 7.
    - 2011: 4, 5, 6,
    - Summer 2012: 8.
  - (b) Exam 3's:
    - 97: 1, 2, 3, 4, 5, 6, 7, 8.
    - 98: 1, 2, 3, 4, 5, 8, 9,
    - 01: 8, 9.
    - 02: 1, 2, 3, 7, 8 , 9, 10.
    - Spring 03: 1, 2, 3, 4, 5, 6, 7, 8, 9.
    - Summer 03: 1, 2, 3, 4, 5, 6, 7, 8, 9.
    - 04: 1, 2, 3, 4, 7, 8, 9.
    - Summer 05: 1, 2, 3, 4, 5, 6, 7.
    - Fall 05: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
    - Fall 06: 2, 3, 4, 5, 6, 7.
    - Summer 07: 3, 4, 5, 6.
    - Fall 09: 4, 6,
    - 2011: 1, 2, 3, 4, 5, 6, 7, 8.
  - (c) Exam 4's:
    - 98: 2, 5, 7.
    - 01: 1, 2, 3, 4, 5, 8, 9, 10.
    - 02: 2,9.
    - Spring 03: 8.

Summer 03: 1, 2, 5, 6, 7, 9.

Summer 04: 1, 6.

Summer 05: 1, 2,

Fall 05: 5, 7, 8, 9, 10.

Fall 06: 2, 9.

(d) Final Exams:

97: 1, 3, 4, 6, 7, 8, 17 .

98: 1, 2, 7, 14, 17.

01: 1, 2, 7, 8, 9, 10abcd, 13.

02: 8, 9, 11.

Spring 03: 12, 18, 20.

Summer 03: 1, 2, 7, 10, 17defgh.

04: 1cdefg, 2, 6, 12, 13, 14.

Summer 05: 1, 2, 6, 11.

Fall 05: 1cdefg, 2, 3, 7, 10, 13, 14, 15, 16.

Summer 06: 1, 3defgh, 6, 7, 8, 12.

Fall 06: 2, 3, 5, 6bcdef, 11.

Summer 07: 1, 4, 9.

Fall 09: 3, 4, 6, 7, 10, 11, 13, 15.

2011: 3, 4, 5, 13, 14.