

MATH 544 — Spring 2022— Notes about EXAM 3

- (1) Exam 3 is on Monday, April 4, 2022. The exam covers sections 2–8 of the Class Notes; this is pages 6–45.
- (2) **Be sure to MASTER all of the assigned homework**, as far as problem 57.
- (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, 6, 7, 8, 9, 10.
 - 98: 1, 2, 3, 4, 5, 6, 7, 8, 9.
 - 01: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
 - 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, 3, 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, 10, 11, 12.
 - spring 11: 1, 2, 3, 4, 5, 6, 7, 8, 9.
 - summer 12: all
 - spring 16: all
 - fall 20: all
 - spring 22: all
 - Exam 2's:
 - 97: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
 - 98: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
 - 01: 1, 2, 7, 8, 9, 10.
 - 02: 1, 6, 7.
 - spring 03: 1, 2, 3, 4a, 4b, 4c, 4d, 4e, 5, 6, 7, 8.
 - summer 03: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
 - 04: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
 - summer 05: 1, 2, 3, 4, 5, 6, 7.
 - fall 05: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
 - summer 06: 1, 3a, 3b, 4, 5, 8, 9.
 - fall 06: 1, 2, 3, 4, 5, 6, 7, 8, 9.
 - summer 07: 1, 2, 3, 4, 5, 6, 7, 8, 9.

- fall 09: 2, 3, 5, 6, 7.
- spring 11: 1, 2, 3, 4, 5, 6, 7, 8, 9.
- summer 12: 1, 2, 3, 4, 5, 6, 7, 8.
- spring 16: 1, 2, 3, 4, 5, 6, 7.
- fall 20: all.
- spring 2022: all
- Exam 3's:
 - 97: 1, 3, 4, 5, 6, 7, 8.
 - 98: 1, 2, 3, 4, 5, 6, 7, 8, 9.
 - 01: 4, 5, 8, 9, 10.
 - 02: 1, 2, 3, 4, 6, 7, 8, 9, 10.
 - Spring 03: 1, 2, 3, 6, 7a, 7b, 8.
 - summer 03: 1, 2, 3, 4, 5, 6, 7, 8.
 - summer 04: 1abc, 2, 3, 4, 5, 6, 7, 8.
 - summer 05: 1, 3, 4, 6, 7.
 - fall 05: 1, 4ab, 7, 9, 10.
 - fall 06: 1, 2, 3, 4, 7a, 7c.
 - su 07: 1 2 4, 5, 6.
 - fall 09: 2, 7.
 - sp 11: 2, 3, 5, 6, 7.
 - su 12: 3, 5.
 - sp 16: 1, 2, 4.
 - fall 20: 1a, 1b, 2, 3.
- Exam 4's:
 - 98: 2, 4, 5, 7.
 - su 01: 1, 2, 3, 4, 5, 8, 9, 10.
 - sp 02: 6, 9
 - sp 03: 8.
 - su 03: 1, 6.
 - su 04: 2, 3, 4, 5.
 - su 05: 2.
 - f05: 7, 8, 10.
- Final Exams:
 - 97: 3, 4, 5 6, 7, 8, 9 13, 14, 15, 16.
 - 98: 2, 4, 5, 6, 7, 11, 12, 14, 17.
 - 01: 2, 3, 4, 8, 9abc, 10acef, 13.
 - 02: 3, 5 8 14, 15, 16.
 - spring 03: 2 (Find a basis for W .) 3, 4, 5, 6, 10, 11, 12, 14, 16, 17, 18, 19.

- summer 03: 1, 4, 6, 11, 12, 16, 17.
- 04: 1, 4, 6, 8, 10 (Prove V is a vector space. Ignore basis.), 12, 13.
- summer 05: 1, 5, 8, 9, 10.
- fall 05: 1, 3, 6, 9, 16.
- summer 06: 1, 2, 3, 9, 10, 12.
- fall 06: 1, 2, 3, 6, 11.
- summer 07: 1, 2, 5, 6.
- fall 09: 1, 2, 3, 6, 7, 12, 15.
- spring 11: 1, 2, 3, 4, 14.
- summer 12: 4, 7, 8, 10,
- sp 16: 1, 2, 3, 6, 7, 8.
- F 20: 4.