

MATH 241 — Fall 2024 — Notes about the FINAL EXAM

(1) The Final Exam 3 is Friday, December 13, 2024 from 12:30PM until 3:00PM. The exam covers

- Sections 1 through 6 of chapter 12,
- Sections 1 through 3 of chapter 13,
- Sections 1 through 7 of chapter 14, and
- Sections 1, 2, 3, 4, 5, and 7 of chapter 15. (In 15.7, we covered cylindrical coordinates, but not spherical coordinates.)

In other words, the exam covers from page 7 until page 143 in the class notes, except we did not cover Lagrange Multipliers on pages 95-100 or spherical coordinates in section 15.7.)

(2) **Be sure to MASTER all of the assigned homework.** The homework list on the website accurately reflects the material covered on your exam.

(3) Be sure to MASTER all quizzes.

(4) The material on the old **MATH 241** exams which is covered on your final exam¹:

- Exam 1's:
 - Fall 2024: all
 - Spring 2023: all
 - Fall 2022: all
 - Spring 2022: all
 - Spring 2021: all
 - Fall 2020: all
 - Spring 2020: all
 - Fall 2019: all.
 - Spring 2019: all.
 - Fall 2018: all.
 - Fall 2017 both classes: all.
 - Spring 2008: 1, 2, 3, 5, 6.
 - Summer 2002: 1, 2, 3, 4, 5, 6, 7, 8, 10.
 - Fall 2001: 1, 2, 3, 4, 5, 6, 7, 8, 10.
 - Spring 2001: 1, 2, 3, 4, 5, 6, 7, 8, 10.
 - Fall 2000: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
 - Fall 1999: 1, 2, 4, 5, 6, 7, 8, 9, 10.
 - Spring 1998: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
 - Fall 1997: 1, 2, 4, 5, 6, 7, 8, 9, 10.
- Exam 2's:

¹There are some exams for which I never typed up a clean answer sheet. I do not plan to type one for these exams now.

- Fall 2024: all
- Spring 2023: all
- Spring 2022: all
- Spring 2021:all
- Fall 2020: all
- Fall 2019: 1, 2, 3, 4, 5.
- Spring 2019: all.
- Fall 2018: all
- Fall 2017 11:40 class: all.
- Fall 2017 1:15 class: all.
- Spring 2008: 1, 2, 3, 4, 6, 7.
- Summer 2002: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
- Fall 2001: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
- Spring 2001: 1, 2, 3, 4, 5, 6, 7, 8.
- Fall 2000: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
- Fall 1999: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
- Spring 1998: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
- Fall 1997: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

- Exam 3's:

- Fall 2024: all.
- Spring 2023: 1, 3, 4, 6.
- Fall 2022: 1, 2, 3, 4, 5.
- Spring 2022: 1, 2, 3, 4, 5, 6.
- Fall 2020: 1, 2, 3, 4, 5.
- Spring 2019: 1, 2, 3, 4, 5.
- Fall 2018: 1, 2, 3, 4, 5.
- Fall 2017 11:40 class: 1, 2, 3, 4, 5.
- Fall 2017 1:15 class: 1, 2, 3, 5.
- Spring 2008: 1, 2, 3, 5, 6, 7.
- Summer 2002: 1, 2, 3, 4, 5, 6, 7, 8, 10. (In 10(c) and 10(d) the word “point” should be “put”.)
- Fall 2001: 1, 2, 3, 4, 5, 6, 7, 8, 9.
- Spring 2001: 1, 2, 3, 4, 5, 6, 9.
- Fall 2000: 1, 2, 3, 4, 5, 7, 8, 9, 10.
- Fall 1999: 2, 3, 4, 6, 7, 8, 9.
- Spring 1998: 1, 2, 4, 5, 6, 7, 8, 9, 10.
- Fall 1997: 1, 2, 4, 7, 8, 9, 10.

- Exam 4's:

- Summer 2002: 1, 2, 3, 5, 6, 7, 8.
- Fall 2001: 1, 2, 3, 4, 5, 6.
- Spring 2001: 1, 3, 5, 6, 7, 8, 9, 10.
- Fall 2000: 1, 2, 4, 5, 8, 9.
- Spring 1998: 2.
- Fall 1999: 2, 3, 4, 5, 6, 7, 8, 9, 10.
- Spring 1998: 2, 3, 4, 5, 6, 7.
- Fall 1997: 1, 3, 4, 5, 7, 8, 9, 10.

- Final Exams:

- Spring 2023: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
- Fall 2022: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
- Spring 2022: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
- Spring 2021: 1, 2, 3, 4, 5, 6, 7, 8, 9.
- Fall 2020: 1, 2, 3, 4.
- Fall 2019: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
- Spring 2019: 1, 3, 4, 5, 6, 7, 9, 10.
- Fall 2018: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
- Fall 2017 11:40 class: 1, 2, 3, 4, 5, 6, 7, 8, 9.
- Fall 2017 1:15 class: 1, 2, 3, 4, 5, 6, 8, 9.
- Spring 2008: 1, 5, 6, 7, 8, 9, 10.
- Summer 2002: 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20.
- Fall 2001: 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 18.
- Spring 2001: 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 14, 15, 16, .
- Fall 2000: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 15, 16, 17.
- Fall 1999: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19.
- Spring 1998: 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14.
- Fall 1997: 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19.