

Advising sheet for 2020-2021 academic year MA program in Mathematics and Statistics

In what follows “F” stands for Fall term 2020, “W” stands for Winter term 2020 and “S” stands for Summer term 2021.

Degree requirements for MA students starting their studies in Fall 2020 and plan to finish the program in one year (three semesters).

Applied Mathematics Stream

Four required courses: Take four courses from the following list: MATH 6121 F, MATH 6340 W, MATH 6350 F, MATH 6604 F, MATH 6651 F, MATH 6652 W, MATH 6910 W, MATH 6911 W, MATH 6931 F, MATH 6904 F, MATH 6920, MATH 6936

Additional requirements:

- (1) Choose one of these three options: (i) take four more courses at the 6000 level or (ii) take two more courses at the 6000 level and write a Survey Paper (MATH 6001) or (iii) write a Master’s thesis.
- (2) Complete the seminar requirement course MATH 6004. If you chose options (ii) or (iii) in item (1) above, then you can substitute another 6000 level course for MATH 6004.

Pure Mathematics Stream

Four required courses: Take MATH 6121 F, MATH 6122 W, MATH 6461 W and one of MATH 6280 F, MATH 6300 S, MATH 6540 W, MATH 6605 W

Additional requirements:

- (1) Choose one of these three options: (i) take four more courses at the 6000 level or (ii) take two more courses at the 6000 level and write a Survey Paper (MATH 6001) or (iii) write a Master’s thesis.
- (2) Complete the seminar requirement course MATH 6004. If you chose options (ii) or (iii) in item (1) above, then you can substitute another 6000 level course for MATH 6004.

Probability Stream

Four required courses: Take MATH 6910 F, one of MATH 6280 F or MATH 6605 W, one of MATH 6604 F or MATH 6602, and one of MATH 6620 F, MATH 6630 F or MATH 6911 W

Additional requirements:

- (1) Choose one of these three options: (i) take four more courses at the 6000 level or (ii) take two more courses at the 6000 level and write a Survey Paper (MATH 6001) or (iii) write a Master’s thesis.
- (2) Complete the seminar requirement course MATH 6004. If you chose options (ii) or (iii) in item (1) above, then you can substitute another 6000 level course for MATH 6004.

Theoretical Statistics Stream

Four required courses: Take MATH 6620 F, MATH 6622 W, MATH 6630 F and one of MATH 6621 W or MATH 6605 W

Additional requirements:

- (1) Choose one of these three options: (i) take four more courses at the 6000 level or (ii) take two more courses at the 6000 level and write a Survey Paper (MATH 6001) or (iii) write a Master's thesis.
- (2) Complete the seminar requirement course MATH 6004. If you chose options (ii) or (iii) in item (1) above, then you can substitute another 6000 level course for MATH 6004.

Applied Statistics Stream

Five required courses: Take MATH 6620 F, MATH 6622 W, MATH 6630 F, MATH 6635 W and MATH 6627 W

Additional requirements: Take (i) four more courses at the 6000 level or (ii) take two more courses at the 6000 level and write a Survey Paper (MATH 6001) or (iii) write a Master's thesis.

Data Science Stream

Five required courses: Take MATH 6620 F, MATH 6622 W, MATH 6630 F, MATH 6650 F and MATH 6644 W

Additional requirements:

- (1) Choose one of these three options: (i) take three more courses at the 6000 level or (ii) take one more course at the 6000 level and write a Survey Paper (MATH 6001) or (iii) write a Master's thesis.
- (1) (2) If you choose option (i) above, complete the seminar requirement course MATH 6004 or take MATH 6627. If you chose option (ii), then you can either complete MATH 6004 or substitute any other 6000 level course for MATH 6004.