

3-Year Tentative Course Plan for Math Graduate Students Pursing Data Science Option

Last Update: January 26, 2021

Code: D = Day course, E = Evening course

CORE COURSE OFFERINGS

| Course # | Course Name | Prerequisites | FS21 | SP22 | FS22 | SP23 | FS23 | SP24 | FS24 |
|----------------------------------|--|-------------------------------------|------|------|------|------|------|------|------|
| 4005 | Exploratory Data Analysis with R | Math 1320, Math 2000, and Math 2450 | E | | E | | E | | E |
| 4200 | Mathematical Statistics I | Math 1320 and Math 2000 | | E | | D | | E | |
| 4210 | Mathematical Statistics II | Math 4200 | D | | E | | D | | E |
| 5070 | Nonlinear Optimization | Graduate Standing | E | | E | | E | | E |
| 5250 | Statistical Methods in Learning & Modeling | Graduate Standing | | E | | E | | E | |
| 5080, 5090, 5225, 5320, 5460, 56 | Data Elective | Graduate Standing | | E | | E | | E | |

The above is a tentative schedule of courses that will be offered (primarily for the mathematics graduate student pursuing the data science option) over the next few semesters. This schedule does not include possible summer courses. Other 4000 and 5000 electives for the data science option will be offered apart from this collection as resources are available.