|  | **FALL odd (2019)** | **SPRING even (2020)** | **FALL even (2020)** | **SPRING odd (2021)** |
|---|---|---|---|---|
| core | MATH 641<br>Real Analysis | MATH 645<br>Complex Analysis | MATH 631<br>Algebra I | MATH 651<br>Topology |
| elective (pure) | MATH 663<br>Graph Theory | MATH 617<br>Functional Analysis | MATH 658<br>Topics in Geometry | MATH 632<br>Algebra II |
| elective (applied) | MATH 614<br>Numerical Linear Algebra | MATH 660<br>Advanced Math. Modeling | MATH 661<br>Optimization | MATH 615<br>Numerical Analysis of Differential Equations |
|  | MATH 665<br>Topics in Grad. Math. |  | MATH 665<br>Topics in Grad. Math. |  |