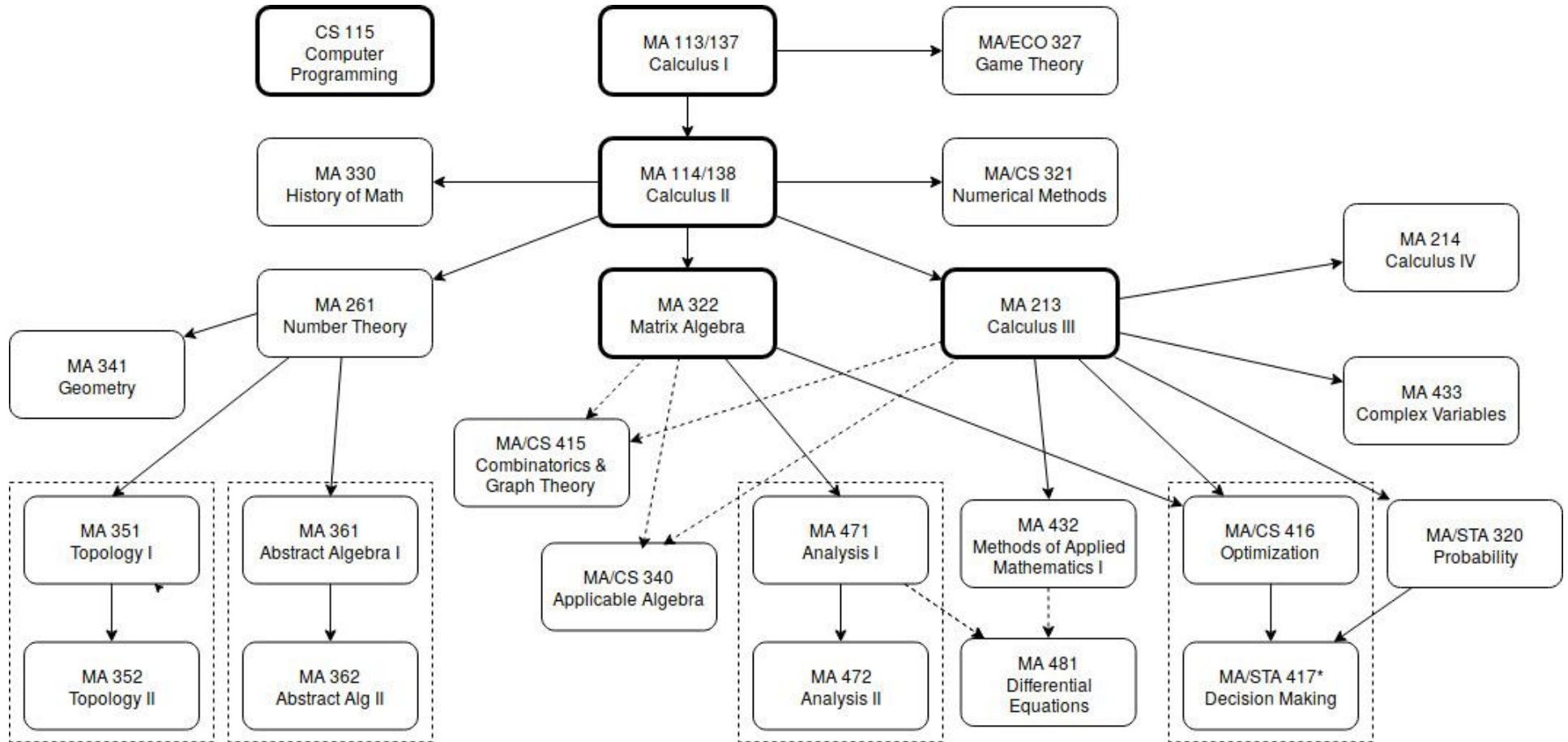


B.S. Mathematics - Option A (“Pure Math”)



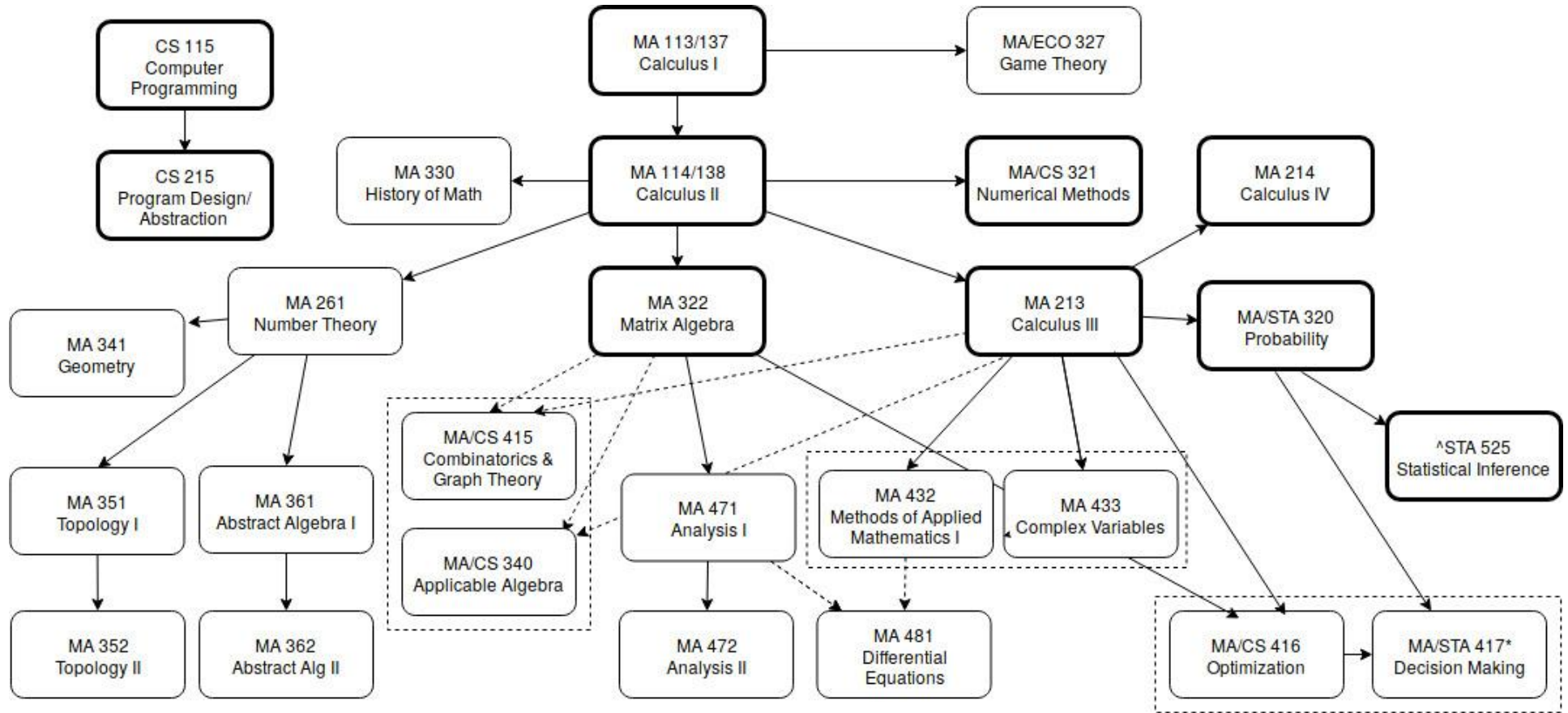
Bold boxes are required for all option A students and students are advised to do them as early as possible. Dashed arrows indicate either course satisfies the pre-req. Dashed boxes indicate sequence classes.

* Possible pre-req change soon

Requirements:

- MA 113 Calc I MA 114 Calc II MA 213 Calc III MA 322 Matrix Alg CS 115 Programming
- MA 214 Calc IV or MA 261 Number Theory Upper-level sequence (351/352, 361/362, 471/472, or 416/417)
- Additional 12 hrs of 300+ MA courses 14 hrs outside department (refer to official degree sheet for details)
- MA 391 (prereqs, one from each: 213 | 214 or 261 | 322 | 321, 351, 361, or 471 | 30+ completed credit hrs)

B.S. Mathematics - Option B (“Applied Math”)



Bold boxes are required for all option B students. Dashed arrows indicate that either course satisfies the pre-req. Be aware that a few arrows go behind other classes. Dashed boxes indicate sequence classes.

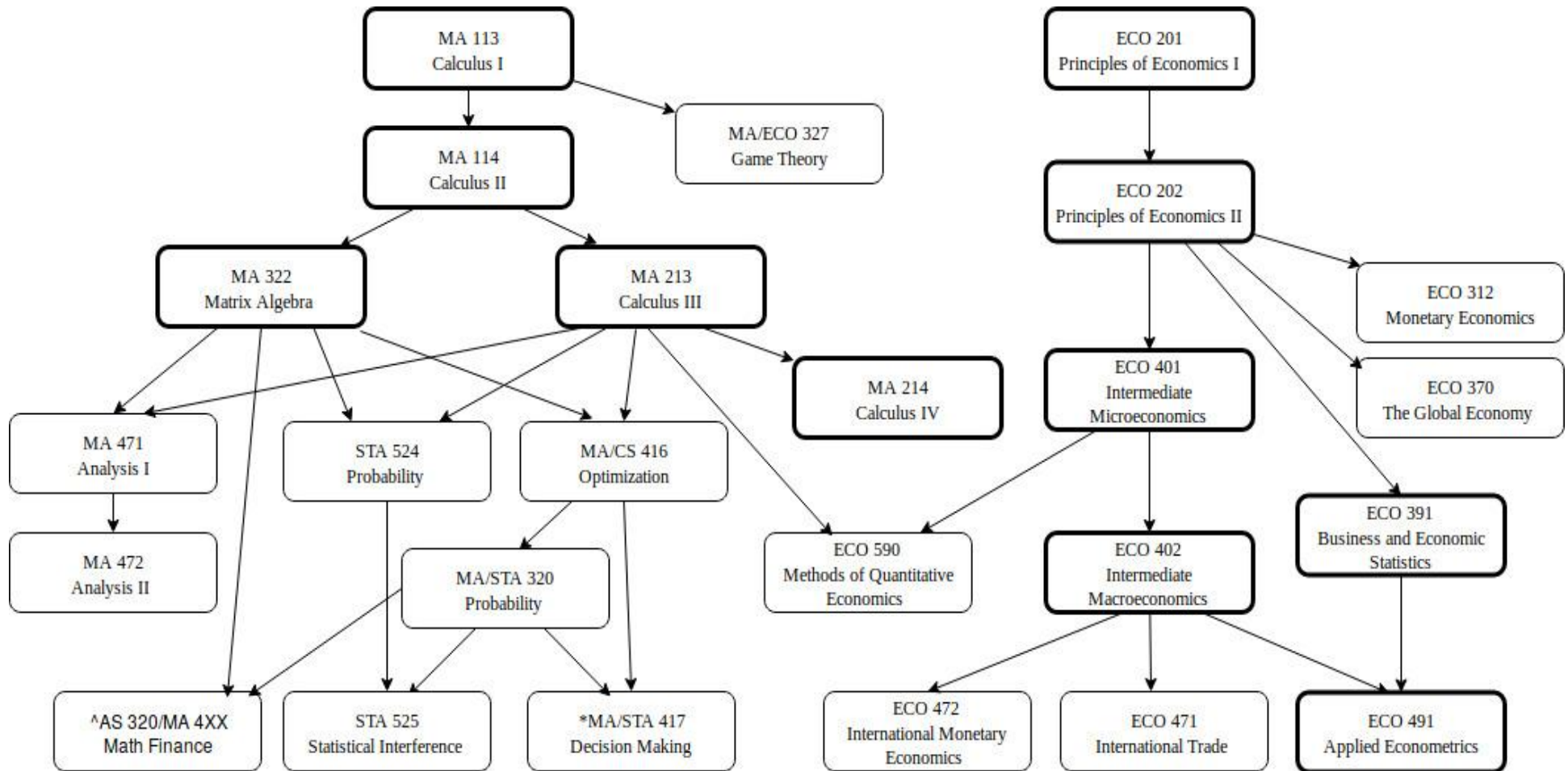
* Possible pre-req changes soon

^ STA 525 is the standard replacement for STA 321, which is not offered

Requirements:

- MA 113/114/213/214 Calc I-IV
- MA 320 Probability
- MA 321 Numerical Methods
- MA 322 Matrix Alg
- STA 525 Stats
- CS 115/215 Programming
- Upper-level sequence (415/340, 416/417, or 432/433)
- Additional 6 hrs of 300+ MA courses
- 9 hrs in supporting program (refer to official degree sheet for details)
- MA 391 (prereqs, one from each: 213 | 214 or 261 | 322 | 321, 351, 361, or 471 | 30+ completed credit hrs)

B.S. Math Econ



Bold boxes are required for all math econ students. Note, there exists more math and econ classes and this chart only represents popular classes for math-econ students.

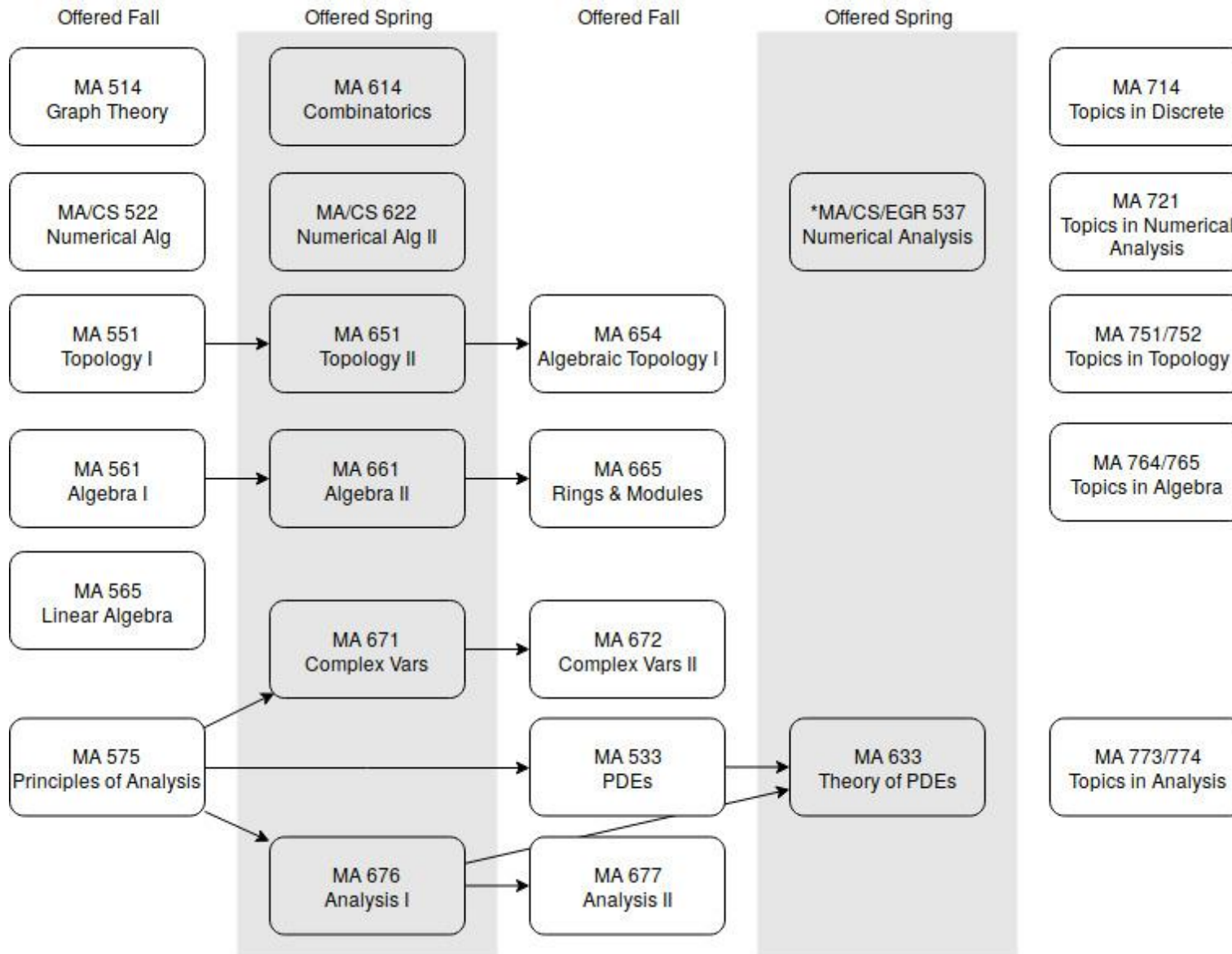
* Possible prereq changes soon

^ Math Finance is a new class, MA course number pending

Requirements:

- MA 113-214 Calc I-IV
- ECO 201/202 Principles of Econ
- Upper-level sequence (416/417/STA 525 or 471/472/417)
- MA 320 or STA 524 Probability
- ECO 401/402 Int. Econ Theory
- One 300+ level ECO course and one 400+ level ECO course
- MA 322 Matrix Alg
- ECO 391/491 Econometrics

UK Graduate Classes



This represents primarily pure math courses. There are some MA/PHY courses regularly offered but not listed. Some pre-reqs are also not shown.

Topics courses are offered on a somewhat random basis and are subtitled.

* 537 is offered both semesters

Undergrads are advised to not take any graduate courses until they have successfully completed all basic major courses and at least one semester of a sequence. Speaking to the professor is also a must.

Grad classes can be beneficial for upperclassmen but are not necessary, even for those intending on math grad school. Only take them if you really want to do it and feel prepared.