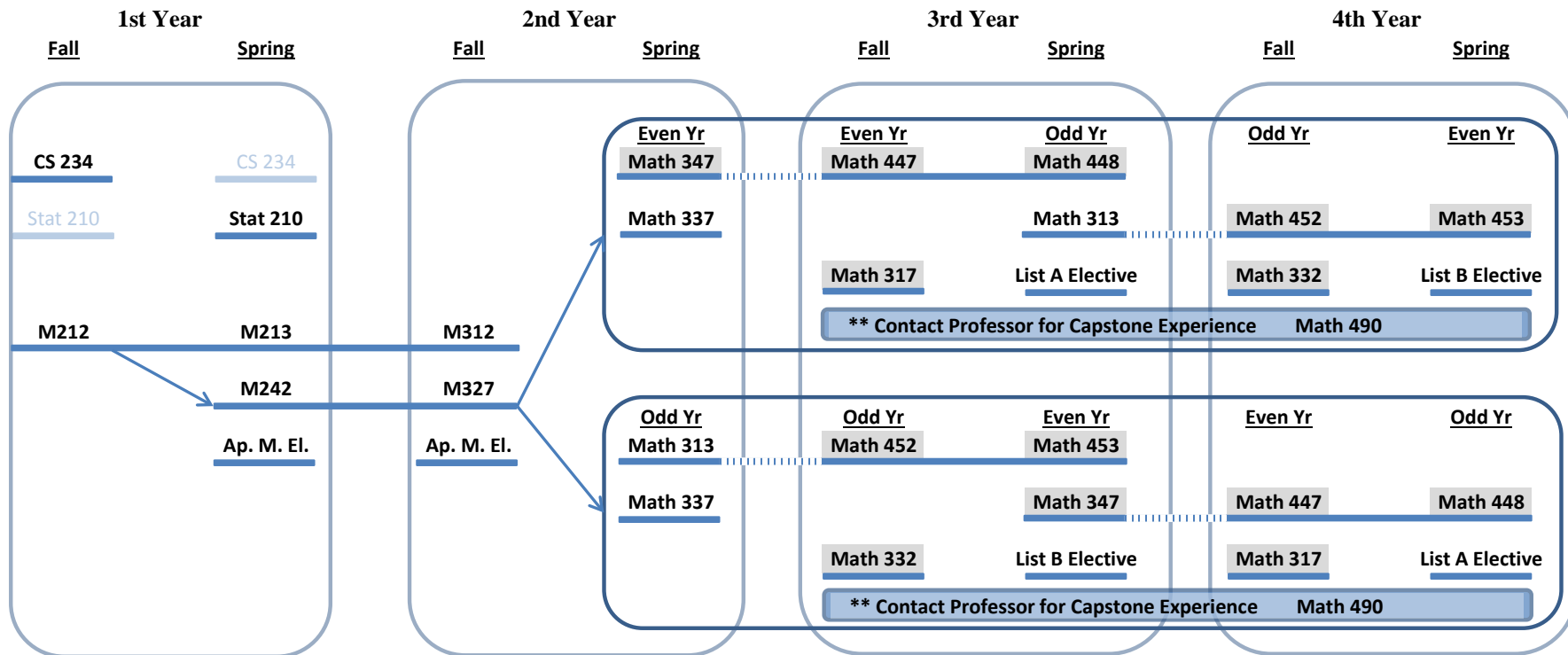


## B. S. Mathematics Course Time Line



### Core Courses

#### MATH

212 Calculus I (4)  
213 Calculus II (4)  
242 Linear Algebra (4)  
312 Multivariable Calc. (4)

#### STATISTICS

210 Statistics (3) or  
303 Intro. To Eng. Stat. (3) or  
305 Biometry (3)

### Required (Choose 1)

337 Probability (3)  
347 Number Theory (3)

#### Required MATH Courses

313 Differential Equations (3)  
327 Foundations of Math. (4)  
447 Abstract Algebra (3)  
452 Advanced Calculus (3)

#### Advanced Study (Choose 1)

448 Abstract Algebra II (3)  
453 Advanced Calculus II (3)

### List A MATH Electives (3 S.H.)

302 Chaos (3)  
332 Numerical Analysis (4)  
342 Advanced Linear (3)  
453 Advanced Calculus II (3)

### List B MATH Electives (3 S.H.)

317 Complex Variables (3)  
430/435 Operations Research (3/3)  
448 Abstract Algebra II (3)  
462 Topology (3)

### Applied Math Electives (6 S.H.)

BIOL 310, 312  
CHEM 212 or above (goal 3)  
CME 250 or above  
CS 250, 341, or above  
ECON 340  
FIN 335, 360, 377, 390  
PHYS 221 or above (goal 3)  
STAT 320 or above

### (Other Electives)

307 History of Math (3) (goal 8)

Shading indicates that the course has limited offerings.

Electives: 9 S.H. courses numbered MATH 302 or 307 and above or STAT 320 and above  
At least 3 S.H. must be from List A and 3 S.H. must be from List B