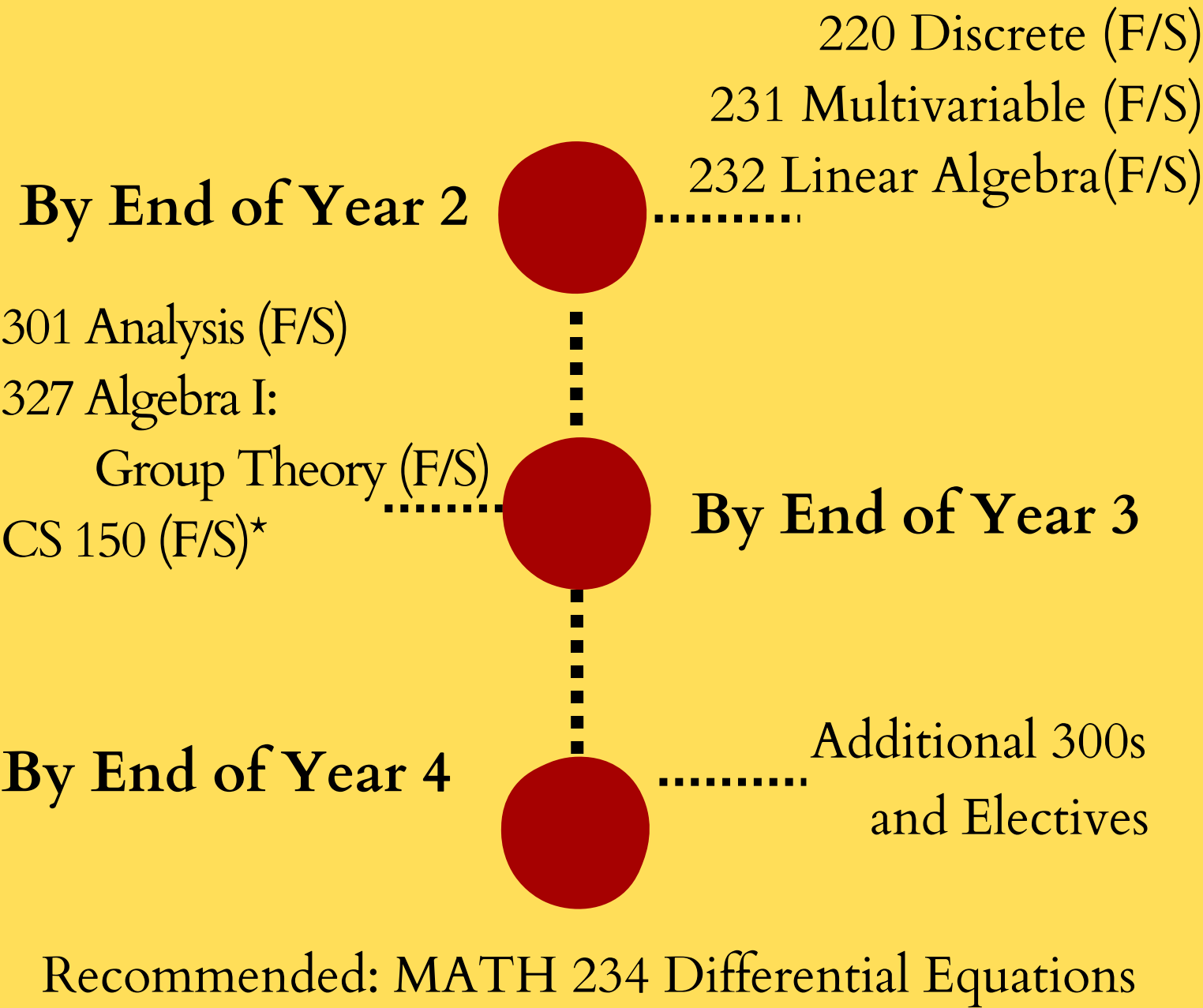


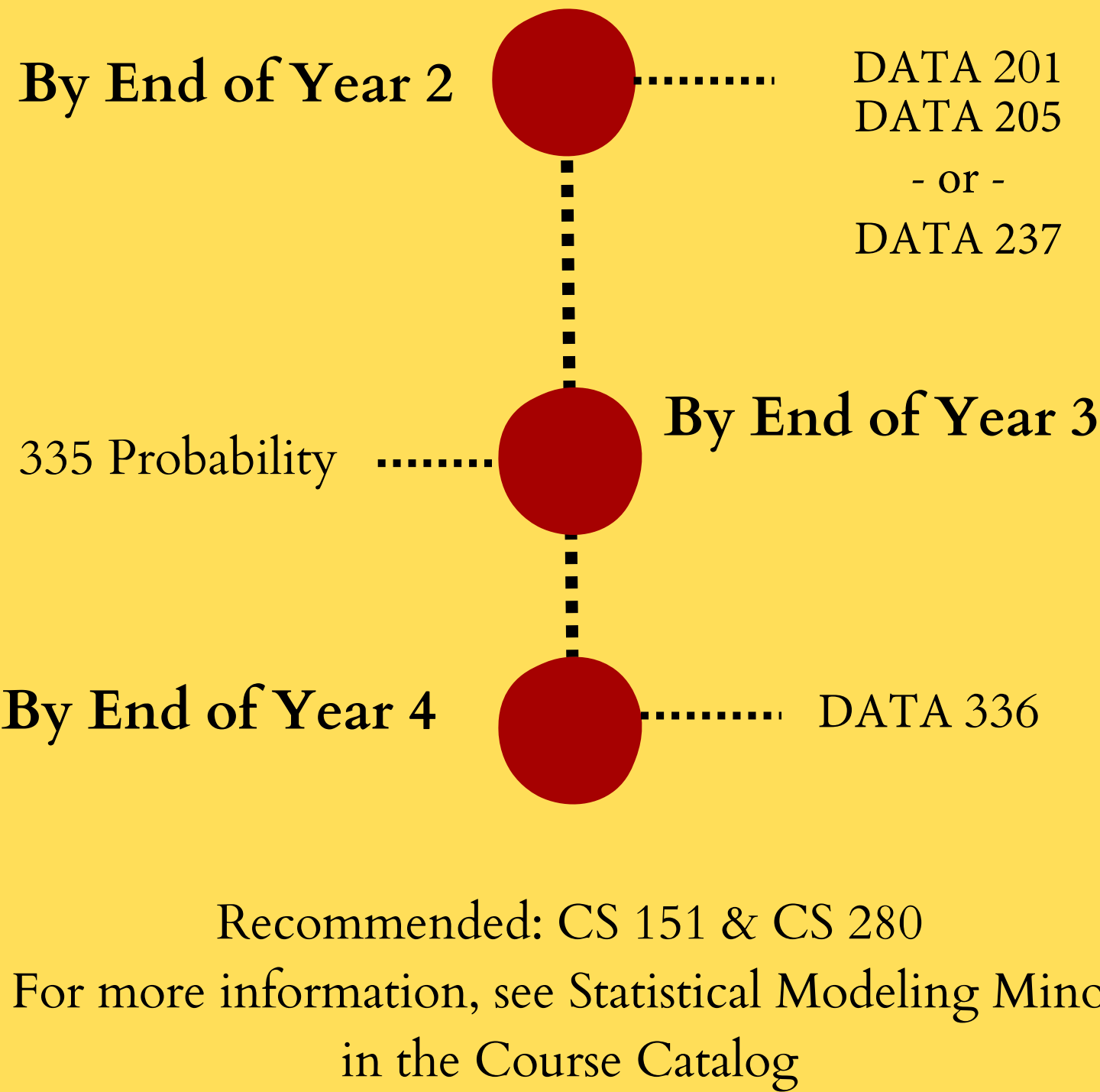
# Oberlin College

## Mathematics Major Flow Chart

Calculus I & II are required if not already taken elsewhere



## Additional Statistical Modeling Minor



(F) Offered Every Fall  
(S) Offered Every Spring  
\*Recommended By End Of Year 2 If Possible

# 300 Level Courses

301, 327, 335, and 353 offered every year.  
Other 300s generally offered in alternate years.

## 300s without a 300 level prerequisite:

317 Number Theory  
318 Cryptography  
320 Graph Theory  
328 Computational Algebra  
331 Linear Optimization  
332 Nonlinear Optimization  
335 Probability  
342 Mathematics of Social Choice  
350 Geometry  
370 The History of Mathematics  
397 Seminar in Mathematical Modeling

## 300s with a 300 level prerequisite:

329 Algebra II: Rings and Fields  
338 Probability Models and Random Processes  
343 Combinatorics  
353 Topology  
356 Complex Analysis  
357 Harmonic Analysis  
358 Real Analysis  
DATA 336 Mathematical Statistics

## Optional Areas of Emphasis within a Mathematics Major

### Preparation for Graduate Studies in Mathematics

329 Algebra II, 353 Topology, and 356 Complex Analysis.  
Take as many additional 300s as possible.

### Operations Research & Industrial & Systems Engineering

331 Linear Optimization, 332 Nonlinear Optimization,  
and 335 Probability.

Recommended: CS 151 and CS 280.

### Connections to Computer Science

Courses among MATH 318, 331, 332, and 397.  
CS 151 and 280.

### Preparation for Actuarial Work

MATH 335 to prepare for Exam P.  
Recommended: ECON 206 and DATA 336.

### Connections to Economics

MATH 332, 335, and 342.