

GUIDING TWO-YEAR ROTATION

Green: Intro courses; **Red:** Required courses; **Black:** Elective offered each semester; **Purple:** Electives offered annually; **Blue:** Electives offered biennially (these are rotated; not all will be offered as shown). Numbers are number of sections offered.

FALL of EVEN YEARS

FSEM/Core: 2

105: Introduction to Statistics: 1 double section

161: Calculus I: 5

162: Calculus II: 4

163: Calculus III: 3

214: Linear Algebra: 2

250: Number Theory and Mathematical Reasoning: 2

260: Computational Math: 1 + 2 labs

302: Systems Biology: 1

308: Differential Equations: 1

316: Probability: 1

354: Data Analysis I: Normal Model Inference: 1

360: Graph Theory: 1

375: Abstract Algebra I: 1

376: Numerical Analysis: 1

377: Real Analysis I: 1

382: Topology: 1

450: Number Theory II: 1

482: Applied Seminar: 2

483: Math Seminar: 2

SPRING of ODD YEARS

Core: 2

105: Introduction to Statistics: 1 double section

161: Calculus I: 2

162: Calculus II: 2

163: Calculus III: 3

214: Linear Algebra: 2

250: Number Theory and Mathematical Reasoning: 2

260: Computational Math: 1 + 2 labs

308: Differential Equations: 1

312: Math Modeling: 1

375: Abstract Algebra I: 1

376: Numerical Analysis: 1

377: Real Analysis I: 1

408: PDEs: 1

414: Matroids: 1

416: Mathematical Statistics: 1

460: Hilbert and Banach Spaces: 1

481: Bio Seminar: .5 (cross-listed)

485: Abstract Algebra II: 1

FALL of ODD YEARS

FSEM/Core: 2

105: Introduction to Statistics: 1 double section

161: Calculus I: 5

162: Calculus II: 4

163: Calculus III: 3

214: Linear Algebra: 2

250: Number Theory and Mathematical Reasoning: 2

260: Computational Math: 1 + 2 labs

308: Differential Equations: 1

310: Combinatorics: 1

313: Complex Variables: 1

315: Math Bio: 1

316: Probability: 1

354: Data Analysis I: Normal Model Inference: 1

375: Abstract Algebra I: 1

376: Numerical Analysis: 1

377: Real Analysis I: 1

482: Applied Seminar: 2

483: Math Seminar: 2

499: Mathematical Logic: 1

SPRING of EVEN YEARS

Core: 2

105: Introduction to Statistics: 1 double section

161: Calculus I: 2

162: Calculus II: 2

163: Calculus III: 3

214: Linear Algebra: 2

250: Number Theory and Mathematical Reasoning: 2

260: Computational Math: 1 + 2 labs

308: Differential Equations: 1

312: Math Modeling: 1

375: Abstract Algebra I: 1

376: Numerical Analysis: 1

377: Real Analysis I: 1

410: Ramsey Theory: 1

448: Nonlinear Dynamics: .5 (cross-listed)

454: Data Analysis II: Nonlinear Model Inference: 1

481: Bio Seminar: .5 (cross-listed)

487: Real Analysis II: 1

489: Axiomatic Set Theory: 1