

Schedule

A week-by-week breakdown of the material.

Week 1 (09/02-09/06)

Mon Intro, CoCalc, start on divisibility¹

Wed More practice writing proofs

Fri Divisibility (1.1-1.6)²

Week 2 (09/09-09/13)

Mon Congruences (1.7-1.14)³

Wed Congruences and divisibility criteria (1.15-1.24)⁴

Fri The division algorithm and common divisors (1.25-1.34)⁵

Week 3 (09/16-09/20)

Mon Euclidean algorithm and relatively prime numbers (1.35-1.45)

Wed Diophantine equations (1.46-1.58)

Fri Prime numbers and the fundamental theorem of arithmetic (2.1-2.11)

Week 4 (09/23-09/27)

Mon Applications of the fundamental theorem (2.12-2.24)

Wed More prime divisibility and gcd properties (2.25-2.31)

Fri Infinitude of primes (2.32-2.39)

Week 5 (09/30-10/04)

Mon Other facts about primes (2.41-2.44, 2.48)

Wed TBD

Fri Exam 1 (Chapters 1, 2)

¹[notes/01_divisibility.html](https://www.math.umd.edu/~paulh/notes/01_divisibility.html)

²[notes/02_more_divisibility.html](https://www.math.umd.edu/~paulh/notes/02_more_divisibility.html)

³[notes/03_congruences.html](https://www.math.umd.edu/~paulh/notes/03_congruences.html)

⁴[notes/04_congruences_and_divisibility.html](https://www.math.umd.edu/~paulh/notes/04_congruences_and_divisibility.html)

⁵[notes/05_division_algorithm.html](https://www.math.umd.edu/~paulh/notes/05_division_algorithm.html)

Week 6 (10/07-10/11)

Mon TBD

Wed TBD

Fri TBD

Week 7 (10/14-10/18)

Mon FALL BREAK **Wed**

TBD

Fri TBD

Week 8 (10/21-10/25)

Mon TBD

Wed TBD

Fri TBD

Week 9 (10/28-11/01)

Mon TBD

Wed TBD

Fri TBD

Week 10 (11/04-11/08)

Mon TBD

Wed TBD

Fri Exam 2

Week 11 (11/11-11/15)

Mon TBD

Wed TBD

Fri TBD

Week 12 (11/18-11/22)

Mon TBD

Wed TBD

Fri TBD

Week 13 (11/25-11/29)

Mon TBD

Wed TBD

Fri TBD

Week 14 (12/02-12/06)

Mon TBD

Wed TBD

Fri TBD