

Number Theory Concepts, Spring 2022
MAT 5970-101/375, TR 5:00–6:15pm
Walker 308/Zoom (link in AsULearn)

Instructor: Dr. Rick Klima

Office: Walker 330

Phone: 828-262-2378 (office), 828-773-0790 (mobile; calling and texting are both fine)

Office Hours: TR, 4:30–5:00pm and 6:15–6:45pm, other times by appointment

Email: klimare@appstate.edu

Web: <https://www.appstate.edu/~klimare>

Course Information:

Description: This course is a study of the traditional number theory concepts and theorems, with special attention to those of significance to the high school curriculum. Emphasis will be on the historical as well as the theoretical development of the subject. The prerequisite for this course is an undergraduate major in mathematics.

Textbook: No rental or purchased textbook is required. Course materials will be provided by the instructor, and posted on the course calendar online as they are needed.

Daily Assignments: Readings and homework will be given at the end of most class meetings, with solutions usually due by the start of the first class meeting the following week. These solutions will be graded, and count as 100% of your final course grade. Readings and homework will be posted on the course calendar online at the end of the class meeting in which they are given, and if you are absent, unless you have communicated with me and been approved by me for an extension, you will be responsible for submitting your homework solutions at the time when they were originally due. So you should check the course calendar online every time you are absent, and make plans to talk with me if you need help on the course material that was covered in your absence.

Final Exam Meeting: ~~We will have a required classroom/Zoom meeting during a final exam period from 5:00–7:30pm on Tuesday, May 3.~~ N/A

Inclement Weather, Campus Emergency, Class Cancellation: If any class meetings are canceled for any reason, you will be responsible for any assignments and announcements that are posted on the course calendar online.

Academic Integrity, Disability Resources, Attendance, Student Engagement: Appalachian has official policies for all of these, which are posted at <https://academicaffairs.appstate.edu/resources/syllabi-policy-and-statement-information>.

Grading: Grades of A, A–, B+, B, B–, C+, C, C–, or F will be assigned to each homework assignment, and to the course at the end of the semester for each student.