

MATH M405: NUMBER THEORY  
Spring 2023  
SW221

**Professor Jim Davis**

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**Office hours:**

Tuesday 1:30-2:30

Friday 9:15-10:15

and by appointment (after class is often good.)

**Grades:** Two exams worth 25%, final worth 30%, homework worth 20%. The final exam will be held at 12:40-2:40 p.m., Wednesday, May 3. (However, it is possible that we will also have a “project” at the end of the course, in which case the two exams will be worth 20%, the final 25%, the project 15%, and homework worth 20%).

**Textbook:** Niven, Zuckerman, Montgomery *An Introduction to the Theory of Numbers, 5th Edition*  
Also Dudley, *Elementary Number Theory*, 2nd Edition.

The plan is to cover topics from the following sections of the textbook: 1.2, 1.3, 2.1, 2.2, 2.3, 2.7, 2.8, 3.1, 3.2, 3.3, 5.3, 6.1, 6.3, 7.1–7.8 and Dudley 7, 8, 13, 15, 19.