

Math 373
Theory of Positive Integers

Time & place: TT 9:30 – 10:45 am, PE 104

Text: *An Introduction to Mathematical Reasoning,
numbers, sets and functions*
by Peter J. Eccles

Instructor: Alex Kumjian
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This course is an introduction to the art and practice of mathematical reasoning. The intended goal is for the student to acquire familiarity with and mastery of the tools needed to write proofs.

The focus of this course is on arithmetic and in particular the theory of positive integers as a gateway to abstract Mathematics.

Syllabus: I hope that we will be able to cover most of the following subjects.

- I Mathematical statements and proofs
- II Sets and functions
- III Numbers and counting
- IV Arithmetic
- V Modular arithmetic
- VI Prime Numbers

Details will be forthcoming on the class website:
<http://unr.edu/homepage/alex/373/>

Prerequisites: Math 181 or consent of the instructor.