Math 117: Algebra for Applications

- [Math 117: General Course Outline & Catalog Description](#)

Math 117 is the "fast" course in abstract algebra, which focuses on topics that are of interest for applications. The topics covered include error correcting codes, fast polynomial multiplication, and the fast Fourier transform. The fast Fourier transform is absolutely critical for the efficient implementation of computer algorithms for signal processing and other engineering applications.

One section of Math 117 is offered each term. In the past several years the enrollments in the course have averaged about 35 students each term.