# Math 696: Graduate Seminar: Professional Tools, Spring 2024

**Instructor**: Kevin Milans (milans@math.wvu.edu)
**Meetings**: T 5:30am-6:20pm in Armstrong Hall 422
**Office Hours**: M 12:30pm-1:30pm, W 2:00pm-3:00pm, and by appointment, in Armstrong Hall 408H
**Webpage**: `http://www.math.wvu.edu/~kgmilans/teaching/sp24/math696/`

**Welcome**: Welcome to Math 696: Graduate Seminar: Professional Tools. This seminar introduces students to commonly used mathematical tools.

**Learning Outcomes and Course Goals**: Students will learn to use LaTeX to write professional documents, beamer for presentations, pgf/tikz for figures, and bibtex for references. Students will become familiar with collaboration tools like overleaf and mathscinet to conduct a literature search. Students will also use programming environments like Matlab and python to conduct mathematical research.

**LaTeX Project**: By the last day of class **Friday April 26, 2024**, students will use LaTeX to produce 2 documents:

1. A professional CV or resume

2. A homework assignment (at least 2 problems) from a class that you are taking that uses LaTeX features in a nontrivial way (e.g. equations, arrays, integrals, summations). It should include at least one tikz/pgf figure.

**Attendance**: Attendance is required. Students may miss at most 4 seminars.

**Grading**: The seminar is graded on a pass/fail basis. Students who submit acceptable LaTeX projects and miss at most 4 seminars earn a passing grade; students who do not meet these requirements earn a failing grade.

**Academic Integrity**: You are expected to practice the highest possible standards of academic integrity. For more information, see the university's Student Conduct Code.