Math 115
Mathematics for the Liberal Arts

- **Instructor:** Donald Krug.
- **Room:** MP 325
- **Time:** TR 9:25-10:40 // 12:15-1:30
- **Office:** MP 441 (859)-572-5783
- **Email:** krugd@nku.edu
- **Instructor Web page:** www.nku.edu/~krugd

- **Instructor’s Schedule:** I am on campus every school day and, if I am not in class, or attending meeting, I am willing to meet with any student in my classes. My official office hours are MWF 12-1 and TR 11:00-12:00, and I will make an extra effort to be available these hours. My schedule of other classes is MWF 11:00-11:50 and 1:00-1:50. More info on my schedule can be found at my website. If I am not in class, then I am usually available to see you in my office.

- **Expected Background:** You just need to place into college-level mathematics. (C- or better in MAHD 095 or MAHD 099, or Math ACT 19 or higher.)

- **Course Description:** We will explore mathematics by actively solving non-standard problems. The heart of mathematics is problem-solving and we will spend most of our class time solving and discussing solutions to problems that are non-algorithmic. We will also discuss the nature of mathematics and explore a few applications through readings outside of class.

- **Text and Supplies:** There is no class text. Readings will be supplied on Blackboard. You will be creating your own ‘text’ in a notebook that should contain all the work done in class or as homework. You will be able to use this notebook on all quizzes and tests – so you will want to do a nice job. Feel free to add an index, separate into sections, or arrange in any way you wish. It may only contain the work from classroom discussions, your own written homework, and your own written comments about the problems done in class. You may also be asked to buy some materials to use as manipulatives for classroom work, quizzes and homework. I will try to keep the prices reasonably low on these items.

- **Technology:** You may use a calculator (you won’t need anything fancy) as long as it is non-networked (no cell phones) and need web access for homework. I may, on occasion, ask students to bring technology to class to access the web.

- **Grading:** There are 5 grading categories, each counting 20% of your final grade.
  - Participation (attendance, presentation of solutions, discussion)
  - Quizzes (unannounced, expect regularly, 5-15 minutes)
  - Homework (approximately weekly, carefully written up.)
  - Midterm (Thursday, March 5. No makeups.)
  - Final Exam (Tuesday, May 5. 10:10-12:10 // 1-3.)
- **Optional Midterm** – Can be used to replace the regular midterm grade. (Thursday, April 2).
- **Grading Scale**
  - A 92 – 100% A– 90 – 91.9%
  - B+ 88 – 89.9% B 82 – 87.9% B– 80 – 81.9%
  - C+ 78 – 79.9% C 72 – 77.9% C– 70 – 71.9%
  - D+ 68 – 69.9% D 60 – 67.9% F less than 60%

- **Attendance:** You are responsible for any work assigned or discussed in class. If you miss a day, be sure to check with someone to find what you may have missed. Also check the web page. If you are not in class, you can’t get credit for work done and will find it difficult to make up what was missed.

- This class satisfies the mathematics and statistics general education requirement.

- **Safe Place Policy:** I promise to do my best to treat all students fairly and respectfully regardless of race, color, sex, marital status, sexual orientation, gender expression, or physical handicap. I also expect my students to do the same.

- The information on the department syllabus is also a part of this syllabus.

- **Withdrawal:** The last day to withdraw from class with a W grade is Monday March 23. After that date withdrawal without receiving a grade is usually not permitted.

- I reserve the right to alter this syllabus as needed. Any changes will be posted on the Blackboard.