



MATH 126 (Activities in Math)

Spring 2017

Meetings: MWF 9:00-9:50 A.M. (NH 18)

MWF 1:00-1:50 P.M. (NH 15)

Office Hours: Mon/Fri Noon-12:50, 2-2:50

Tue Noon-2, Wed Noon-12:50

Instructor: Keith Nabb

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Materials: *Math in Our World*, 2nd Ed., Sobecki, Bluman, Schirck-Matthews
Scientific Calculator

Description: A survey in breadth rather than depth of a variety of mathematical topics. While emphasis is on the spirit, concepts and structure of modern mathematics, manipulative skills and techniques are also developed. *Prerequisite:* WPT Math Formula score of 40+, ACT Math score of 20+, or Math 30.

How the class will run: During most class periods, you will engage in solving a problem in your group. Once the problem is solved, a group or two (sometimes more) will present their results to the class. We might use whiteboards/easels/document cameras as a means to present problems to the class. Depending on the nature and difficulty of the problems, we'll have opportunities to solve/discuss many problems in a classroom period.

Classroom Record: Because of the format of this class, "taking notes" is not as important as understanding and making meaning of the content you see in class. At the end of each class, you will have a detailed record of what happened in class; I will post (1) the problems given in class, and (2) the solution(s) presented by your classmates.

Course Grade:

(a) Grades will be assigned according to the following scale:

Average	Grade
90 or above	A
80-89	B
70-79	C
60-69	D
59 or below	F

(b) Attendance and active participation are very important. Each time your group presents to the class, a group grade will be assigned. The amalgam of these grades will count for 20% of your grade. Note 1: As for strict attendance, you are allowed to miss three classes without penalty. After this, you will lose a percentage point for each class missed (e.g., final average of 82% + 7 missed classes = $82 - 4 = 78\%$). Note 2: *Individual* absences in no way impact grades given to a *group*.

- (c) We will have a total of five 30-45 minute quizzes occurring (about) every other Friday. Quizzes will count for 30% of your grade. No make-ups are granted.
- (d) There will be one assigned project during the course of the semester. We will discuss the nature of this project in class. The project is worth 20% of the term grade.
- (e) There will be a comprehensive Final Exam worth 30% of the term grade.

Math Center: The math help center is located in 145 North Hall. Drop in during their regular hours for extra help.

Academic Integrity: For any instances of academic misconduct (plagiarism, copying, using notes/formulas when not allowed, etc.) the office of Student Conduct and Community Standards will be called upon for assistance.

Course Topics: Problem Solving/Patterns/Algebra/Mathematical Reasoning; Proofs without Words; Probability/Statistics/Games; Geometry/Topology/Art; Graph Theory/Discrete Math

Dates for quizzes (tentative):

<u>Week 3:</u> February 10	<u>Week 5:</u> February 24
<u>Week 7:</u> March 10	<u>Week 10:</u> April 7
<u>Week 12:</u> April 21	

Final Exam: Section 01: Monday May 8, 10:15 a.m.-12:15 p.m.
Section 02: Wednesday May 10, 10:15 a.m.-12:15 p.m.
If your final exam score exceeds your lowest quiz score, then the final exam score will replace this lower score. (Example: If your lowest quiz score is a 71% but you scored an 82% on the final exam, then the 71% will be changed to an 82%). This policy will not be used if a zero was earned due to academic misconduct.

Wisconsin Content and Teacher Standards: Refer to the webpage <https://www.uwrf.edu/MATH/WisconsinContentTeacherStandardsMathematicsCourses.cfm> for the standards addressed in this course.

Learning Environment: The UWRF promotes safe, inclusive and effective learning environments that protect the rights and support the interests of both students and faculty. For additional information regarding our inclusivity expectations, academic accommodations, academic conduct expectations and processes, and other syllabi information, please consult <http://go.uwrf.edu/Syllabi>.

Accommodations: The University of Wisconsin-River Falls welcomes students with disabilities into its educational programs, activities, residential halls, and everything else it offers. Those who will need academic adjustments or accommodations for a disability should contact the Ability Services Office. Decisions to allow adjustments and accommodations are made by the Ability Services Office on the basis of clinical documentation that students provide to sufficiently indicate the nature of their situation.