

**Concepts of Mathematics - Math 101 - Section 006**  
**Syllabus - Fall 2014**

**Instructor:** Keivan Hassani Monfared  
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**Office Hours:** MTWHF 9:00 – 9:50am  
**Class period:** TH 12:30 – 1:45pm

**Prerequisites:** Satisfactory completion of Math 100 or equivalent, or a satisfactory score on the placement exam. Anyone currently enrolled who does not have the necessary prerequisites should contact the Department of Mathematics immediately, so that you can be placed in the appropriate course.

**Textbook:** Miller, Heeren, Hornsby; **Mathematical Ideas**, 12th edition, Pearson.

**Coverage:** With some omissions/additions, the following chapters will be covered:

- Chapter 1: The art of problem solving
- Chapter 2: The basic concepts of set theory
- Chapter 3: Introduction to logic
- Chapter 10: Counting methods
- Chapter 11: Probability
- Chapter 12: Statistics
- Chapter 15: Graph theory

**Objective:** Students will learn

- that the breadth of mathematics extends to novel areas beyond those typically seen in algebra,
- to use mathematical language and concepts as a tool to make complex and seemingly non-mathematical problems manageable,
- to use mathematical precision of expression and methodology for formulating concepts clearly and for driving valid conclusions, and
- how a mature mathematical approach can break down seemingly complex problems into simpler steps, and how to carry out these steps to solve such problems.

**Attendance:** It is your responsibility to report your absences online. Each unexcused or unreported absence will affect your grade by 1%.

**Quizzes:** In-class short quizzes will be given during the semester.

**Written Homework:** Homework problems will be assigned during the semester. Only selected problems will be collected and graded.

**Exams:** There are two in-class semester exams and a final exam. Tentative dates are:

- Exam 1: Oct 3
- Exam 2: Nov 14
- Final Exam: TBA

The semester exams will take place during the class period.

**Grading Policy:** Your percentage grade is determined by the following:

Quizzes	10%
Written Homework	20%
Exams 1, and	20% each
Final Exam	30%

You can estimate your letter grade by using the following scale:



**Getting Help:** You are encouraged to work in groups as much as possible on homework. Often, having a second perspective helps in the understanding process. You are also welcome to stop by my office.

**Note:** “In accordance with University policy and the Americans with Disabilities Act (ADA), academic accommodations may be made for any student who notifies the instructor of the need for an accommodation. For the instructor to provide the proper accommodation(s) you must obtain documentation of the need for an accommodation through Disability Resource Center (DRC) and provide it to the instructor. It is imperative that you take the initiative to bring such needs to the instructor’s attention, as he/she is not legally permitted to inquire about such particular needs of students. Students who may require special assistance in emergency evacuations (i.e. fire, tornado, etc.) should contact the instructor as to the most appropriate procedures to follow in such an emergency. Contact Disability Resource Center (DRC) at 298-2512 for additional services.”

**Students rights and responsibilities:** Visit: <http://www.wiu.edu/provost/students.php>

**Academic Integrity Policy:** Visit: <http://www.wiu.edu/policies/acintegrity.php>

**Note:** The policies in this syllabus are subject to change. Minor changes will be announced in class and substantive changes shall be communicated in writing.