

Department:

Mathematics

Course Description:

Fundamentals of Math precedes the algebra sequence of courses. This course is designed to develop skills in the four fundamental mathematical operations using whole numbers, fractions, decimal fractions, ratio, proportion, and percent. Business and consumer applications are also included. If time permits, applied geometry and an introduction to algebra will be included.

Course Competencies:

Upon completion of the course, the student should be able to:

1. Successfully perform mathematical operations using addition, subtraction, multiplication, and division with whole numbers, fractions, decimals, and signed numbers.
2. Compute percentages.
3. Successfully use fundamental math operations in everyday situations.
4. Feel confident with regard to basic math abilities.
5. Successfully begin the algebra sequence of courses.

Course Content:

- A. Whole Numbers
- B. Fractions
- C. Mixed Numbers
- D. Decimals
- E. Ratios and Proportions
- F. Percent
- G. Signed Numbers
- H. Other topics as time permits

Learning Assessments:

Course competencies will be assessed by using an instructor written comprehensive final exam.

Instructional Materials:

Textbook for campus and regional classes: Basic College Mathematics, Fourth Edition, Ignacio Bello, McGraw-Hill, 2012. ISBN: 978-0-07-338438-2

Textbook for online classes: Basic College Mathematics, Eighth Edition, D. Franklin Wright, Hawkes Learning Systems, 2007. ISBN: 978-1-932628-20-20-3

Guidelines for Requesting Accommodations Based on Documented Disability or Medical Condition

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.

Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

In order to begin the process all students **must** complete the “Disabilities Self-Identification Form” at this link: <https://highlandcc.edu/pages/disability-services>.

This form can also be accessed at the Highland Community College homepage under Students Services/Student Resources/Disability Service or by contacting the Disabilities Coordinator.

A Note on Harassment, Discrimination and Sexual Misconduct

Highland Community College seeks to assure all community members learn and work in a welcoming and inclusive environment. Title VII, Title IX, and College policy prohibit harassment, discrimination and sexual misconduct. Highland Community College encourages anyone experiencing harassment, discrimination or sexual misconduct to talk to report to the Vice President for Student Services, the Human Resources Director or complete an online report https://cm.maxient.com/reportingform.php?HighlandCCKS&layout_id=1 about what happened so that they can get the support they need and Highland Community College can respond appropriately.

There are both confidential and non-confidential resources and reporting options available to you. Highland Community College is legally obligated to respond to reports of sexual misconduct, and therefore we cannot guarantee the confidentiality of a report, unless made to a confidential resource. Responses may vary from support services to formal investigations. As a faculty member, I am required to report incidents of sexual misconduct and thus cannot guarantee confidentiality. I must provide our Title IX coordinator with relevant details such as the names of those involved in the incident. For more information about policies and resources or reporting options, please visit the following website: <https://highlandcc.edu/caffeine/uploads/files/Approved%20Equity%20Grievance%20Policy.pdf>.