

University of Arkansas - Fort Smith
5210 Grand Avenue
P. O. Box 3649
Fort Smith, AR 72913-3649
479-788-7000

General Syllabus

MATH 02071 College Math Drill

Credit Hours: 1

Lecture Hours: 1

Laboratory Hours: 0

Prerequisite(s): Required placement score.

Corequisite(s): MATH 11003 College Mathematics and Quantitative Literacy

Effective Catalog: 2023-2024

I. Course Information

A. Catalog Description

Support and enhance math skills by providing instructional time for developmental math skills directly needed for MATH 11003 College Mathematics and Quantitative Literacy.

II. Student Learning Outcomes

A. Subject Matter

Upon successful completion of this course, the student will be able to:

1. Correctly perform operations on algebraic expressions.
2. Analyze graphs.
3. Model data and perform analysis on the data.

B. University Learning Outcomes (ULO)

This course enhances student abilities in the following areas:

Analytic Skills

Quantitative Reasoning

Students will assign and use numbers, read and analyze data, draw inferences, and support conclusions based on sound mathematical reasoning. Students will apply appropriate mathematical/statistical models to solve problems. Students will represent mathematical/statistical information symbolically, visually, numerically and verbally and will interpret models and data in order to draw inferences.

Communication Skills (written and oral)

Students will communicate proficiently. Students will compose written answers to word problems appropriate to an audience of their peers.

III. Major Course Topics

- A. Perform conversions in length, mass, volume, and time
- B. Perform operations using percentages, fractions and evaluate equations containing exponents
- C. Convey mathematical information using complete sentences
- D. Collect and graph data to hypothesize on correlation