

**B - Course Revision Form V. 7.2022 : Entry # 3528****DEAN Decision**

Approved

**Today's Date**

09/08/2025

**EPC Decision**

Approved

**Today's Date**

10/17/2025

**Begin Form****Today's Date**

09/06/2025

**Your Name**

Jenny Sharpe

**Your Email:**[jsharp1@highpoint.edu](mailto:jsharp1@highpoint.edu)**Are you a Department Chair?**

Yes

**By checking below, I certify that my department chair has seen and approved the course revisions that are in this proposal**

Yes

**Please select the appropriate school overseeing this proposal:**

Engineering

**When should this proposal take effect?**

Fall 2026

**Are you submitting multiple courses for revision from the same department?**

No, just one

**Please list all of the courses that you are submitting revisions for:**

| Course Prefix | Course Number | Course Title         |
|---------------|---------------|----------------------|
| MTH           | 1010          | Functions and Graphs |

**B - Course Revision Form V, 7.2022 : Entry # 3528****What would you like to revise?**

- Learning Outcomes

**Are you also revising any of the following for this course?**

- Change course description

**Gen Ed & Academic Program Information****Is this a revision to meet new Gen Ed requirements?**

No

**Is this course part of an academic program?**

- This course does not currently fulfill academic program requirements

**Does this course, as revised, include any community engagement?**

No

**Is this course part of GoGlobal?**

No

**Does this course count towards a major or a minor?**

No, it does not count toward any particular major or minor

**Is this course cross listed?**

No

**Choose the department designator for your course from the list below.**

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**Curriculum Review Information****Please list the revised student learning outcomes for this course in the box below.**

1. Simplify algebraic expressions
2. Solve linear equations
3. Graph linear equations in two variables
4. Write equations of lines
5. Solve systems of two equations both graphically and algebraically
6. Apply the rules of algebra to functions and compose functions
7. Factor polynomials
8. Solve quadratic equations
9. Use rules of exponents
10. Simplify rational expressions

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11. Use technology to help solve problems, experiment, interpret results, and support conclusions.
12. Evaluate and interpret functions and their graphs

**Please list any revisions to units or content areas that will be required for all sections of this course in the box below.**

The revisions to this course include removing coverage of logarithmic functions, exponential functions, and solving systems of 3 linear equations. Students who take MTH 1010 are taking it as a prerequisite for later courses, which cover these topics from scratch. So, it has been determined it is better for students in MTH 1010 to take more time to deepen their understanding of function processes and hone their algebra skills. Learning outcomes related to log functions, exponential functions, and systems of 3 linear equations have been removed.

**If you have Gen Ed learning outcomes, please address the kinds of assessments you may use for each area that you are proposing the course be designated (i.e., Arts, Humanities, Diversity, etc.)**

This course does not meet any GE learning outcome.

**Please list any revisions to course policies that will be required for all sections of this course.**

N/A

**If you would like to specify any revisions to requirements for how contact hours must be met for all sections of this course, please indicate below (e.g., if any experiential learning activities will replace seat time)**

All contact time for this course is met in class (seat time is maximized).

**If this course proposal affects any other departments, please describe the consultation and approval that you've received and from whom in the box below.**

N/A

**Is there any additional information that you would like to provide for this proposal?**

There was not a place to put the proposed updated course description, so I am including it here. Below are the proposed and prior descriptions:

Updated course description:

An introduction to functions and their graphs with emphasis on problem solving and algebraic skills. Topics include linear and quadratic equations, systems of equations, factoring, exponents, and rational expressions. Students will apply algebraic rules, compose functions, and use technology to explore and interpret mathematical relationships. Not open to students who have credit for MTH 1400 or higher. Four credits.

Prior course description:

By creating, using, and interpreting graphs, students will investigate real world applications of linear, exponential, power, and logarithmic functions. Topics will include scientific notation, units and significant figures, curves and data, and systems of equations. Not open to students who have credit for any other mathematics course. Four credits.

Note: The rationale for including "not open to students who have credit for MTH 1400 or higher" is to ensure that every student enrolled in MTH 1010 is a student who is taking it to ensure their readiness for a higher math class (typically MTH 1310 or MTH 1400).

**Sample Syllabus**

- [MTH-1010-Fall-2026-Sample-Syllabus.docx](#)