

# Ohio Transfer Module (OTM) Mathematics, Statistics, and Logic (Revised July 21, 2015)

## Learning Outcomes:

**The course directly emphasizes at least one of the learning outcomes for the Transfer Module. Which of these learning outcomes are addressed and how?**

- a. Communicate effectively: All general education programs include a component for writing; many also include a component for oral communication or presentation.
- b. Evaluate arguments in a logical fashion: Competence in analysis and logical argument are explicit learning goals for most general education programs, although these skills go by a variety of names (e.g., critical thinking, analysis, logical thinking, etc.).
- c. Employ the methods of inquiry characteristic of natural sciences, social sciences, and the arts and humanities: The tools for solving problems vary across disciplines; general education introduces students to methods of inquiry in several fields of study and thereby prepares students to integrate information from different disciplines.
- d. Acquire an understanding of our global and diverse culture and society
- e. Engage in our democratic society: One of the overarching goals of general education is to prepare students to be active and informed citizens, the development of a disposition to participate in and contribute to our democracy is full of equal importance to the goal of having the skills to do so intelligently.

**Guideline 1:** A credit-bearing, college-level course in Mathematics must use the standards required for high school graduation by the State of Ohio as a basis and must do at least one of the following: 1) broaden, or 2) deepen, or 3) extend the student's learning.

**Guideline 2:** Course does not cover variable learning outcomes from term to term.

**Guideline 3:** Course is not an upper-division course.

**Guideline 4:** Course is in the area of mathematics, or statistics, or logic.