DESCRIPTION
MA115 is for students who plan to study calculus. It may also be taken by those whose curriculum currently requires MA106 (but note the prerequisites); and by those seeking Liberal Studies credit who wish to assess their desire to study calculus. Credit cannot be earned for both MA106 and MA115, except by written permission from the Mathematics Department.

The content includes trigonometry, analytic geometry (including an introduction to three-dimensional analytic geometry), and topics from algebra (sequences, series, limits.)

INSTRUCTOR: Dr. David Buhl

CLASS: Online: all materials accessed via http://www.coursecompass.com

OFFICE: All office hours are via email or HOURS by appointment (JXJ 2022)

PHONE: 227-2089

EMAIL: dbuhl@nmu.edu

LEARNING OUTCOMES:
Upon successful completion of this course, students will be able to:
• Manipulate mathematical expressions.
• Apply mathematical models to solve contextualized problems.
• Recognize and analyze the natural functions and their properties.
• Construct graphs of functions and interpret the results.

GRADING (Percent)
Anticipated chapters to be covered include Chapters 1 through 7 and 10. Learning outcomes will be assessed by homework, quizzes, and exams. The percentage for the class is as follows:
100 - 90 A (-)
89 - 80 B (+ or -)
79 - 70 C (+ or -)
69 - 60 D (+ or -)

Deadlines
There are deadlines for completing each unit. These dates are clearly stated in the course materials located at http://www.coursecompass.com
DISABILITY SERVICES
If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Disability Services Office by: coming into the office at 2001 C. B. Hedgcock; calling 227-1700; or e-mailing disserv@nmu.edu. Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.

LIBERAL STUDIES
This course satisfies the Foundation of Natural Science/Mathematics requirement. Students who complete this course should be able to demonstrate a basic understanding of mathematical logic; use mathematics to solve scientific or mathematical problems in college classes; express relationships in the symbolic language of mathematics; and appreciate the role of mathematics in analyzing natural phenomena.