

Marshall University
College of Science

MTH 411: Mathematical Modeling

Course catalog description

Students will work in teams to construct mathematical models of various real-world situations. Problems to be modeled will be drawn from diverse areas of application and will use a wide range of undergraduate mathematics.

Credit hours

3 hours

Prerequisites

A grade of C or higher in MTH 231

List of topics

- Students will produce solutions to open-ended problems. Collaboration and group work is emphasized.
- Writing mathematics
- Oral presentations

Suggested textbooks

- An Introduction to Mathematical Modeling, Edward Bender, 1978 (2000 Dover reprint).
- A First Course in Mathematical Modeling, Giordano, Fox, Horton, and Weir

Last updated

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