

math102 Syllabus

Math 102: Quantitative Reasoning

Text: *Using & Understanding Mathematics: A Quantitative Reasoning Approach*, 6th edition, Bennett and Briggs.

Prerequisites: Minimum ACT MATH score of 19, departmental exam, or Intermediate Algebra with a grade of C or better.

Note: Only one of MATH 102, MATH 103 and MATH 104, MATH 105, MATH 107, MATH 109, or MATH 143 may be used for degree credit.

MyMathLab is required. A TI-83 or TI-84 Graphics Calculator is required.

Critical thinking and applications of mathematical concepts to real-world topics such as descriptive statistics, growth and decay models, and finance. This course is designed for students in non-technical fields and may be used as a prerequisite for MATH 206, MATH 210 and STAT 214 only.

Sections and Topics

- Introductory Activity
- Intro to MyMathLab(MML)
- 2A Working with Units
- 2B Problem Solving with Units
- 3B Putting Numbers in Perspective
- 3A Uses and Abuses of Percentages
- 4A Taking Control of Your Finances
- 4B The Power of Compounding
- 4C Savings Plans and Investments
- 4D Loan Payments, Credit Cards, and Mortgages
- 8A Growth: Linear versus Exponential
- 9A Functions: The Building Blocks of Mathematical Models
- 9B Linear Modeling
- 9C Exponential Modeling
- Assorted topics related to arts, music, and others of interest to students
- Assorted topics related to arts, music, and others of interest to students Project Presentations

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