

MATH 2623 - Quantitative Reasoning

Fall 2026 Syllabus, Section 07, CRN 43118,

Credit hours: 3

Instructor

Julia Verlotte

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Public Instructor Information

Instructor Title: Part Time Faculty

Instructor Professional Qualifications: Masters, Mathematics, Youngstown State University

Bachelors, Secondary Mathematics Education, Youngstown State University

Instructor Office Location: Remote

Instructor Office Phone: 330-941-3302

Course Description

2623. Quantitative Reasoning. Mathematics models emphasizing basic ideas in mathematics and statistics, stressing concept formation rather than manipulative skills. Prereq.: YSU Mathematics Placement Level 15 or higher. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Common Sense Mathematics (2nd Edition)	Ethan D. Bolker & Maura B. Mast	9781470461348

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Chapter 1	Calculating on the Back of an Envelope	
8/31	Chapter 2	Units and Unit Conversions	
9/7	Chapter 3 Chapter 4	Percentages, Sales Tax and Discounts Inflation	
9/14	Chapter 5 Chapter 6	Average Values Income Distribution- Spreadsheets, Charts, and Statistics	
9/21	Chapter 7 Chapter 8	Electricity Bills and Income Taxes- Linear Functions Linear Functions	
9/28	Chapter 9 Chapter 10	Compound Interest- Exponential Growth Borrowing and Saving	
10/5	Chapter 11 Chapter 12 Chapter 13 Finals Week	Probability- Counting, Betting, Insurance Break the Bank- Independent Events How Good Is That Test?	

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.