

MATH 2623 - Quantitative Reasoning

Fall 2026 Syllabus, Section 11, CRN 43197,

Credit hours: 3

Instructor

Boniface David

Email: bwdavid@student.ysu.edu

Public Instructor Information

Instructor Title: Graduate assistant

Instructor Professional Qualifications:

MS in Mathematics (in progress)

Bachelor Of Education (Science) from Kenyatta University.

Instructor Office Location: Cafaro Hall Room 617

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	Number sense Number Sense, units	
8/31	Chapter 1	Number sense, Number Sense units	
9/7	Chapter 2	Units and Unit Conversions	
9/14	Chapter 3	Percentages, Sales Tax and Discounts	
9/21	Chapter 4	Inflation	
9/28	Chapter 5	Average Values	
10/5	Chapter 6	Income Distribution- Spreadsheets, Charts, and Statistics	
10/12	Chapter 7	Electricity Bills and Income Taxes- Linear Functions	
10/19	Chapter 8	Linear Functions	
10/26	Chapter 9	Compound Interest- Exponential Growth	
11/2	Chapter 10	Borrowing and Saving	

11/9	Chapter 11	Probability- Counting, Betting, Insurance
11/16	Chapter 12	Special/other topics (TBD)
11/23	Chapter 13	Special/other topics (TBD)
11/30	Chapter 13	Special/other topics (TBD)
12/7	Finals Week	

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.