MATH 2623C - Quantitative Reasoning with Co-Requisite Support

Fall 2026 Syllabus, Section 08, CRN 42058,

Credit hours: 5

Instructor

Felix Kina

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Public Instructor Information

Instructor Title: Felix Kina
Instructor Professional Qualifications: Master's Mathematics, Youngstown State University
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Course Description

2623C. Quantitative Reasoning with Co-Requisite Support. Mathematics models emphasizing basic ideas in mathematics and statistics, stressing concept formation rather than manipulative skills. This course includes corequisite support for students requiring remediation in mathematics while studying quantitative reasoning. Emphasis for the support will be placed on prerequisite skills needed for MATH 2623 as well as just in time review through the use of appropriate technology. 5 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 1	Calculating on the Back of an Envelope	
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	Break the Bank- Independent Events	
11/23	Chapter 13	How Good Is That Test?	

11/30	Chapter 13	How Good Is That Test?
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.