

MATH 2623C - Quantitative Reasoning with Co-Requisite Support

Fall 2026 Syllabus, Section 06, CRN 43117,

Credit hours: 5

Instructor

Megan McNear

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Public Instructor Information

Instructor Title: Part time faculty

Instructor Professional Qualifications: BS in Secondary Mathematics Education- Youngstown State University

MS in Education- Arkansas State University

MS in Education- Liberty University

Instructor Office Location: Remote

Instructor Office Phone: 330-941-3302

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 2	Units and Unit Conversions	
9/21	Chapter 3	Percentages, Sales Tax and Discounts	
	Chapter 4	Inflation	
9/28	Chapter 3	Percentages, Sales Tax and Discounts	
	Chapter 4	Inflation	
10/5	Chapter 5	Average Values	
	Chapter 6	Income Distribution- Spreadsheets, Charts, and Statistics	
10/12	Chapter 5	Average Values	
	Chapter 6	Income Distribution- Spreadsheets, Charts, and Statistics	
10/19	Chapter 7	Electricity Bills and Income Taxes- Linear Functions	
	Chapter 8	Linear Functions	

10/26	Chapter 7 Chapter 8	Electricity Bills and Income Taxes- Linear Functions Linear Functions
11/2	Chapter 9 Chapter 10	Compound Interest- Exponential Growth Borrowing and Saving
11/9	Chapter 9 Chapter 10	Compound Interest- Exponential Growth Borrowing and Saving
11/16	Chapter 11 Chapter 12 Chapter 13	Probability- Counting, Betting, Insurance Break the Bank- Independent Events How Good Is That Test?
11/23	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.