



## MATH 1332 Contemporary Mathematics/Quant

**Instructor:**

Simpson, Patti

**Contact Information:**

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**Catalogue Description**

Intended for Non-STEM majors. Topics include, introductory treatments of sets and logic,, financial mathematics, probability and statistics, with appropriate applications. Number sense,, proportional reasoning, estimation, technology,, and communication should be embedded through the, course. Additional topics may be covered.

**Term:**

Fall 2022

**Format of Term:**

8 week

**End of Course Outcomes:**

Learning Outcomes Upon successful completion of this course, students will:

1. Apply the language and notation of sets.
2. Determine the validity of an argument or statement and provide mathematical evidence.
3. Solve problems in mathematics of finance.
4. Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems.
5. Interpret and analyze various representations of data.
6. Demonstrate the ability to choose and analyze mathematical models to solve problems from real-world settings, including, but not limited to, personal finance, health literacy, and civic engagement.

**Required Textbook**

Miller, Heeren, and Hornsby, , 14th, Mathematical Ideas, , Pearson, , <http://>

**Evaluation System:**

Grading

Grading Scale

Homework	20%	90% - 100%	A
Quizzes	20%	80% - 89%	B
Midterm Exam	30%	70% - 79%	C
Final Exam	30%	60% - 69%	D
		0% - 59%	F

**Course Schedule/Topics**

- Unit 1-Sets and Logic
- Unit 2-Probability
- Unit 3-Statistics with Appropriate Applications
- Unit 4-Financial Mathematics

**Marketable Skills**

- Critical Thinking
- Problem Solving
- Analytical Thinking
- Quantitative Reasoning
- Time Management
- Attention to Detail