

# math206 Syllabus

## Math 206: Mathematics of Finance

**Text:** *Mathematics of Finance: An Algebraic Approach*, Allison Cointot and Christy Sue Langley, Great River Learning, 2021

**Prerequisites:** Minimum ACT math score of 25 or SAT math score of 590 or credit in math 102, math 103 and math 104, or math 105

### Section and Topic

- Linear Functions
- Exponential Functions
- Logarithmic Functions
- Differentiate Between Functions
- Simple Interest
- Maturity Value with Simple Interest
- Variables: Principal, Rate, and Time for Simple Interest
- Compound Interest
- Continuously Compounded Interest
- Variables: Principal, Rate, and Time for Compounded Interest
- Earnings
- Payroll Taxes
- Federal Income Tax Return
- Personal Banking Accounts
- Investing
- Loans
- Open-Ended Credit
- Ordinary Annuity
- Amortization Schedule
- Annuity Due
- Property Tax
- Sales Tax

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