

Course Abstract

Course ID and Name: BUS 115, Mathematics of Finance

Department: Business and Computer Science

Chairperson or Course Coordinator: Dr. Aslihan Cakmak

Office Location: ED 123

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Prerequisites: Passing score on the College placement test or successful completion of MAT-013

Co-requisites: None

Course Description:

A study of mathematics and terminology related to buying and selling, time value of money using simple compound interest, basic statistics with charts and graphs, and fundamentals of investing.

Credits: 3

If you need accommodations due to a disability, contact Disability Services in Edison Hall Room 100, 732.906.2546.

To foster a productive learning environment, the College requires that all students adhere to the Code of Student Conduct which is published in the college catalog and website.

Learning Outcomes:

Upon successful completion of the course, students will be able to:

1. Calculate and analyze simple and compound interest.
2. Apply principles of annuities to mortgages, loans, and savings plans.
3. Calculate installment payments and prepare amortization schedules.
4. Calculate the pricing of products.
5. Apply the basic principles of statistics.

Course Content Areas:

- Commercial discounts
- Borrowing money: interest and bank discounts
- Compound interest
- Annuities
- Pricing a product
- Understanding statistics