

## Global Learning Semesters

### Course Syllabus

Course: MBA-530 Foundations in Statistics and Research

Department: MBA

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
MBA-530	Foundations in Statistics and Research	(non-credit)
Semester Offered	Contact Hours	Prerequisites
Please contact us	42-45	Graduate Standing
Department	Level of Course	Language of Instruction
MBA	Upper Division	English

### Course Description

The objective of this seminar is to familiarize students with basic mathematical and statistical definitions and techniques used in some MBA courses. The course will mainly be a review of math and statistics taken in an undergraduate curriculum for business administration. Understanding of these basic principles is a necessary prerequisite for enrolling in the MBA program.

### Prerequisites

Graduate Standing

### Topic Areas

1. Numbers, ratios and percentages.
2. Systems of linear and quadratic equations and inequalities.
3. Basic population and sample statistics.
4. Data presentation: tables, charts, frequency distributions.
5. Descriptive measures of central tendency and dispersion.
6. Basic probability concepts: simple and compound events.
7. Probability distributions: the normal distribution.

### Readings and Resources

#### Required Textbook

A booklet of lecture notes and practice problems will be distributed to students.

#### Other Recommended Reading

- Berker, Vernon C. and Aufmann, Richard N. Essential Mathematics with Applications. 4<sup>th</sup> ed. Boston; Houghton Mifflin, Co., 1995.
- Aufmann, Richard N. The Aufmann Computer Tutor. Boston: Houghton Mifflin Co., 1998.
- Budnick, Applied Mathematics for Business and Economics. McGraw-Hill.
- Mendelhall and Beaver. A Course in business statistics. PWS-Kent.
- Freund, Williams, and Perles. Elementary Business Statistics. Prentice-Hall.