

COURSE TITLE : **BUSINESS STATISTICS**

COURSE NUMBER : **MATH 210**

CREDITS : 3

PREREQUISITE : MATH 120

ECTS CREDITS : 6

OFFERED : FALL

SEMESTER HOURS : 36

COURSE DESCRIPTION :

This course provides second year students with an overall picture of the scope and structure of business statistics. The objective of this course is to provide the students with a practical understanding of some widely used statistical tools and methods and the ability to use this knowledge to *prepare* a quantitative study, *process* the gathered data and *interpret* its results.

INSTRUCTIONAL METHODOLOGY :

The course is developed through lectures, discussion and numerical problem solving sessions. Students are expected to thoroughly read text materials and participate in class discussion. Will be covered in class :

- Introduction : What is statistics ?
- Methods for describing sets of data
- Measures of position ; measures of dispersion
- Relationships between qualitative variables
- Forecasting techniques
- Probability concepts
- Random variables ; probability distributions
- Normal distribution ; estimation of a population mean or proportion

TEXT : ***Business Statistics : A Decision-Making Approach***, Groebner, Pearson, 1<sup>st</sup>Ed, 2010

EVALUATION :

The final grade will be made up of a class participation and homework (20%), a mid-term test (40%) and the final examination (40%).