Aims: The course is designed to introduce MBA students to key concepts and procedures in descriptive and inferential statistics, and to develop their statistical reasoning skills. Students will acquire a set of data analysis tools useful in assisting managers in the process of evidence-based decision making. By the end of the course students will be able to:

- Use appropriate numerical and graphical descriptive statistics
- Reason about center and variability properties of distributions
- Understand and use the standard normal distribution and standardized scores
- Appreciate the main sources of uncertainty in statistical inference from a sample (estimates) to a population (parameters)
- Understand the logic of hypothesis testing and its applications
- Design and analyze basic linear statistical models
- Use statistical modeling to analyze relationships among variables (mean comparisons; analysis of variance; correlations; regression) via the linear model
- Use Microsoft Excel to perform statistical analyses

Teaching and learning methods:
A series of lectures, discussions, and assignments

Weekly Schedule:
Week 1: Introduction/review, basic concepts [Levine, Ch. 1]
Week 2: Descriptive versus inferential statistics [Levine, Ch. 2, 3]
Week 3: The logic of hypothesis testing [Levine, Ch. 7, 8, 9]
Week 4: Comparing two means – t-test [Levine, Ch. 10]
Week 5: Comparing means – ANOVA [Levine, Ch. 11]
Week 6: Correlations [Levine, Ch. 3]
Week 7: Simple linear regression [Levine, Ch. 13]
Week 8: Multiple regression [Levine, Ch. 14]

Method of assessment:
- Class attendance 10%
- Assignments 15%
- Final Exam 75%

Recommended readings: