**Course Code**: STAT203  
**Course Name**: Statistics I  
**Weekly Course Hours**: 3  
**Credits**: 3  
**ECTS**:  
**Weekly Time Schedule**: Friday 08:30-11:30 (AS211)  

**Prerequisite**

**Course Lecturer**

Prof. Dr. Hüseyin Oğuz  
[URL: http://en.lau.edu.tr/document/hoguz/]  
**Office Hours Schedule**: Friday 14:00-16:00  
**E-mail**: hoguz@eul.edu.tr  
**Phone**: 2722  
**Office / Room No**: C1104  
**Teaching Assistant(s)**

**Course Objectives**

1. Ability of graphical and numerical data analysis and verbal summaries of data  
2. Having knowledge of basic probability computations and the role of probability in statistical inference  
3. Ability of understanding fundamental concerns involved in proper data collection  
4. Ability to analyse and interpret confidence intervals for means, proportions and variances

**Learning Outcomes**

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**Textbooks and/or References**

4. [URL: http://www.pearsonhighered.com/newbold]

**TOPICS**

- **02.10.2015**: Using Graph to Describe Data  
- **09.10.2015**: Graphs to Describe Numerical Variables  
- **16.10.2015**: Using Numerical Measures to Describe Data  
- **23.10.2015**: Measures of Variability, Weighted Mean and Measures of Relationships Between Variables  
- **30.10.2015**: Elements of Chance: Probability Methods  
- **06.11.2015**: Probability Rules, Bivariate Probabilities, Bayes’ Theorem  
- **13.11.2015**: Discrete Probability Distributions: Binomial Distribution  
- **20.11.2015**: Discrete Probability Distributions: Hypergeometric Distribution and Poisson Distribution  
- **23-29.11.2015**: MIDTERM WEEK  
- **04.12.2015**: Jointly Distributed Discrete Random Variables: Covariance, Correlation  
- **11.12.2015**: Continuous Probability Distributions: Normal Distribution, Exponential Distribution  
- **18.12.2015**: Distributions of Sample Statistics: Sampling Distributions of Sample Means, Proportions and Variances  
- **25.12.2015**: Confidence Interval Estimation for the Population Mean, Proportion and Variances (Large and Finite Populations)  
- **01.01.2016**: New Year Holiday  
- **09-23.01.2016**: FINAL EXAMS

**Evaluation Tools**

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<th>Weight in Total (%)</th>
<th>Weight in Semester Evaluation (%)</th>
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**ECTS Credit (Total Hours / 25)**

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