## Syllabus for Statistics PUBF 207, Fall 2019

| Instructor:        | Zeynep Burcu Cevik         |
|--------------------|----------------------------|
| E-mail:            | zbcevik@ybu.edu.tr         |
| Lecture:           | Tuesday 12:30-15:20 / B376 |
| Office Hours       | By appointment             |
| Room               | B350 (3rd floor)           |
| Teaching Assistant | Savas Kaptan (3rd Floor)   |

**Course Description:** Statistics is the science of learning information from data. In other words, interpreting and analyzing collected numerical data. A famous statistician, Edwards Deming once said: "Without data, we are just another person with an opinion". We will see how to describe data by examining graphs and numerical values then probability and distributions with hypothesis testing will be seen.

**Course Website:** www.zbcevik.com/teaching (Follow this site for assignments, no extra announcement)

**Textbook:** Paul Newbold, William L. Carlson and Betty Thorne, "Statistics for Business and Economics"

**Grading:** Everybody will get, what he/she deserves. Grading may change during the course depending on the performance of the class. Your grade is not going to be changed depending on your 'special condition'.

Midterm Exam35%Final Exam45%Homework20%

**Homework:** The number of homework may change according to the class performance. No partial credit. Be careful. Do not make any calculation mistakes. Cheating is strictly forbidden. If cheating is detected in any of the assignments, zero credit will be given out of 20%.

**Recitation:** There will be regular recitations. Time and starting date will be decided by the teaching assistant.

**Class Participation:** Not compulsory but highly recommended. If not enough attendance is observed, you can face with pop quizzes.(Grading may change in this case) I will take the attendance in each lesson, but it will not be graded except pop quizzes.

## **Course Outline:**

- Descriptive Statistics
- Probability Methods
- Discrete Probability Distributions
- Continuous Probability Distributions
- Sampling and Sampling Distributions

- Confidence Intervals
- Hypothesis Testing

**ATTENTION:** Any form of dishonest behavior for any part of the course, which includes but not limited to; cheating during the exams will ensure a failing grade for the course and will result in further disciplinary action in line with university regulations depending on the severity of the violation.