



KEMENTERIAN PENDIDIKAN NASIONAL  
UNIVERSITAS NEGERI YOGYAKARTA  
FAKULTAS BAHASA DAN SENI  
JURUSAN PENDIDIKAN BAHASA INGGRIS

SILABUS

No. SIL/PBI/36

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Nama & Kode Mata Kuliah : Statistics / PEN 214  
SKS : ( 2 ) T 1 SKS; P 1 SKS; L 0 SKS  
Semester : 7

### A. Description

The course aims at giving basic concepts and their practical applications of applied statistics. The basic concepts comprise **descriptive as well as inferential statistics, central tendency, statistical techniques of analysis, sampling theories, hypothesis testing, validation, interpretation, etc.** Each item is presented in thematic contexts of language teaching and research studies, through various examples and exercises. During the course, students will do a lot of exercises and make conclusions about the basic concepts of each item, submit several individual works. Evaluation is based on the student's works and the assessment of the achievement in doing all assignments.

### B. Basic Course Outline

Week	Topic
1	Overview
2	Research and statistics
3	Measurement scales
4	Descriptive Statistics: Central Tendency and variability
5	Inferential Statistics: The concepts of hypothesis testing
6	Research Designs
7	Determining sample size and sampling techniques
8	Mid-semester test
9	Parametric and non parametric statistics

10	Chi square
11	Product moment correlation
12	Rank-order correlation
13	The t-test
14	Anova
15	Validity and Reliability
16	Final exam

### C. References

Hatch, E. and Farhady, H. 1982. *Research Design and Statistics for Applied Linguistics*. Rowley: Newbury House Publishers.

Blommers, P.J. and Forsyth, R.A. 1977. *Elementary Statistical Methods in Psychology and Education*. Boston: Houghton Mifflin Co.

Johnson, B. and Christensen, L. 2008. *Educational Research: Quantitative, Qualitative, and Mixed Approaches*. Los Angeles: Sage Publications.