

# University of Pretoria Yearbook 2020

## Statistics for teachers 220 (JGI 220)

**Qualification** Undergraduate

**Faculty** [Faculty of Education](#)

**Module credits** 13.00

**Programmes** [BEd Intermediate Phase Teaching](#)  
[BEd Senior Phase and Further Education and Training Teaching](#)

**Prerequisites** WTW 133 and WTW 143

**Contact time** 1 practical per week, 1 tutorial per week, 3 lectures per week

**Language of tuition** Module is presented in English

**Department** Statistics

**Period of presentation** Semester 2

### Module content

#### **Descriptive statistics:**

Sampling and the collection of data in the educational environment; frequency distributions and graphical representations. Descriptive measures of location and dispersion.

#### **Probability and inference:**

Introductory probability theory and theoretical distributions. Sampling distributions. Estimation theory and hypothesis testing of sampling averages and proportions (one and two-sample cases). Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

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