



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

Faculty of Sport and Physical Education

GENERAL INFORMATION

Study program

Basic Professional studies, Sport

Study Module (if applicable)

Course title

Basics of sports statistics and computing

Level of study

Bachelor professional Master's Doctoral

Type of course

Obligatory Elective

Semester

Autumn Spring

Year of study

Third

Number of ECTS allocated

3

Name of lecturer/lecturers

Saša Veličković, Ph.D, associate professor

Teaching mode

Lectures Group tutorials Individual tutorials
 Laboratory work Project work Seminar
 Distance learning Blended learning Other

PURPOSE AND OVERVIEW (max. 5 sentences)

Upon the completion of all course required obligations students will be able to administer the procedure of data gathering and independent selection of statistical methods and procedures for the analysis and processing of measurement data, their valid realization and interpretation. They will also be able to present the research findings and present them by means of the adequate applicative program.

SYLLABUS (brief outline and summary of topics, max. 10 sentences)

Theory: Statistical research. Statistical survey and results presentation. Basic concepts of measurements (measurement, object of measurement, subject of measurement, measurer, measuring scales, measuring instruments), design and validation of measuring instruments, basic metric characteristics. Processing and analysis of data and results: concept and division of the statistical methods, descriptive statistics, determination of statistical significance, significance of differences, correlation. Statistics procedure. **Practicals:** Use of statistical softwares and interpretation of results, Applicative programs (for text processing, for work with tables, for the presentation of data and information. Basics of informatics (hardware and software), Communications and networks, Security. Statistical reports in individual and collective sports.

LANGUAGE OF INSTRUCTION

- Serbian (complete course) English (complete course) Other _____ (complete course)
- Serbian with English mentoring Serbian with other mentoring _____

ASSESSMENT METHODS AND CRITERIA

Pre exam duties	Points	Final exam	points
Theory	5	Oral examination	40
Practicals	5		
Colloquium 1	30		
Seminar paper	10		
Interactive teaching	10	OVERALL SUM	100

*Final examination mark is formed in accordance with the Institutional documents