



Syllabus

Term: 2025/26/2 **Subject name:** Introduction of Research methods in Sport **Subject code:** ENAEDZN2801

Unit (Unit code) (TESTNEV)

Lecturer responsible for the course: TÉKUS Éva

Requirement: Term mark

Classes per week : 0/4/0

Classes per term:

Purpose of education:

To acquire fundamental knowledge necessary for locating and systematically analyzing academic sources in the fields of natural and social sciences, with a particular focus on physical education and sports science.

To enable students to select a research topic that meets scientific criteria.

To develop students' ability to collect data relevant to their chosen topic, interpret findings, and evaluate results using Microsoft Excel.

Contents:

Week 1: Fundamentals of research methodology in sports science; types of research.

Week 2: Selecting a research topic, designing a study, formulating hypotheses and objectives.

Week 3: Purpose and methods of literature review (domestic and international sports science journals) I; Reference management software I.

Week 4: Purpose and methods of literature review (domestic and international sports science journals) II; Reference management software II.

Week 5: Determining research methods: measurements, questionnaires, and measurement errors.

Week 6: Basic statistical concepts and calculations; Installing and introducing Microsoft Excel; Data entry, import, and organization techniques.

Week 7: Analysis, evaluation, and visualization of research results.

Week 8: Disseminating research findings: scientific articles, conference presentations, and posters.

Week 9: Structure and development of a thesis.

Week 10: One-sample, two-sample, and paired-sample t-tests; Correlation analysis.

Week 11: Student presentations I.

Week 12: Student presentations II.

Week 13: Final written exam.

System of examining and valuation:

Assessment and Grading System:

Final written exam: 50%



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System of examining and valuation:

Assignments: 25%

Presentation: 25%

Grading Scale:

50% – 65%: Sufficient

66% – 75%: Satisfactory

76% – 85%: Good

86% – 100%: Excellent

Bibliography:

McMillan K, Weyers J: How to complete a successful research project. Harlow: Pearson, 2014, ISBN-13: 978 027 377 392 4

Bibliography:

Thomas, J., Nelson, J. (2001) Research Methods in Physical Activity-4th Edition. Champaign, IL: Human Kinetics