Course Specifications
Valid as from the academic year 2019-2020

Specialized Research Skills in Sport Pedagogy I (D012301)

Course size (nominal values; actual values may depend on programme)
- Credits: 3.0
- Study time: 90 h
- Contact hrs: 30.0 h

Course offerings and teaching methods in academic year 2019-2020
- A (semester 2)
  - Dutch
  - Seminar: coached exercises
    - 5.0 h
  - Project
    - 12.5 h
  - Practicum
    - 12.5 h
  - Microteaching
    - 2.5 h

Lecturers in academic year 2019-2020
- Aelterman, Nathalie
  - PP07 staff member
- Van Duyse, Femke
  - GE25 staff member
- Haerens, Leen
  - GE25 lecturer-in-charge
- Cardon, Greet
  - GE25 co-lecturer
- De Meester, An
  - GE25 co-lecturer

Offered in the following programmes in 2019-2020
- Master of Science in Physical Education and Movement Sciences (main subject Physical Education Teacher Education) 3 A
- Exchange Programme Physical Education and Movement Sciences 3 A

Teaching languages
- Dutch

Keywords
- Research, methodology, statistics, data collection, data analysis

Position of the course
This educational course is situated in the first year of the research minor. The aim of this course is to teach strategies to conduct scientific research in the movement and sport sciences with a specific focus on sportpedagogy. This course discusses the planning of a research project, the available scientific information sources, techniques to search the literature, validity and reliability of information sources, critical reading and evaluation of papers, experimental design, data collection, presentation of research proposals via oral presentation. The final aim is to write a scientific paper (Specialized Research Skills II). The students are guided in developing a research plan and starting a literature review for a specific research project. The students set up a structured, problem-solving, ethical and practicable (based on the common methodologies and technologies) research plan.

Contents
1. Designing and conducting a research plan.
2. Resources of information/techniques for searching the literature/reliability of the information sources - Selection of min. 5 manuscripts from primary literature regarding a specific topic related to the field of Movement and Sport Sciences.
3. Experimental design
4. Presentation of a research plan via oral presentation and written reports.
5. Evaluating validity and reliability of existing research + critical reading and evaluation of papers
6. Knowledge of more advanced statistical methods typical for a specific research field

Initial competences
Having a good evaluation on Basic Statistics and Methodology of Research in

(Approved) 1
Movement and Sport Science (2BA) and on Methodology of Research in Movement and Sport Sciences (3BA) and on educational courses that are important with respect to content according to the specificity of the research project. Based on the submitted research project and on the written engagement of the applicant and the promotors, advice will be given. In case of a negative evaluation, the applicant will be explicitly advised NOT to start with this educational course.

Final competences
1. Displaying a critical overview on international research in sport pedagogy.
2. Collecting and selecting scientific literature and information, to use it in the individual research project.
3. Independently formulating a research question in the domain of sport pedagogy, that is societially relevant.
4. Using the most appropriate quantitative or qualitative research methods to answer the research question.
5. Ordering and registering complex information with regard to the research methods.
6. Communicating in English or Dutch both orally and in written documents about one's own research project.
7. Critically reflecting on one's own research in light of improving it.

Conditions for credit contract
This course unit cannot be taken via a credit contract.

Conditions for exam contract
This course unit cannot be taken via an exam contract.

Teaching methods
Microteaching, practicum, project, seminar: coached exercises

Learning materials and price
Collection of literature. Estimated price: 10 euros

References

Course content-related study coaching
interactive support

Evaluation methods
end-of-term evaluation and continuous assessment

Examination methods in case of periodic evaluation during the first examination period
Oral examination, assignment

Examination methods in case of periodic evaluation during the second examination period
Oral examination, assignment

Examination methods in case of permanent evaluation
Skills test, job performance assessment

Possibilities of retake in case of permanent evaluation
examination during the second examination period is possible in modified form

Extra information on the examination methods
Students are bound to be present on all activities related to non-periodic evaluations. If the student is authorized absent, the activity needs to be made up afterwards. Unauthorized absence leads to failure on this educational course.

Calculation of the examination mark
A student who withdraws from periodic and/or non-periodic evaluations will not pass this educational course.
Evaluation on performance during the workshop Writing skills, poster presentation, and specific seminars typical of the research field.

Facilities for Working Students
n/a

Addendum
This course is open for incoming mobility students (Erasmus)
A high level of motivation, interest in the subject, knowledge of English, statistics, methodology and the subject are required. Recommendation of a promoter is also required.