

<b>Module title</b>		<b>Abbreviation</b>
Recognizing research fields in sports science: Natural sciences		o6-SP-GY16A-SFNO-152-mo1
<b>Module coordinator</b>		<b>Module offered by</b>
head of Centre for Sports and Physical Education		Centre for Sports and Physical Education
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
7	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
<p>This module demonstrates the scientific work methods of quantitative sports research with a focus on natural sciences and introduces quantitative and statistical evaluation research. It provides an introduction to database-assisted literature research as well as quantitative and statistical evaluation research. Furthermore, it discusses central problems of diagnosing and evaluating fitness- and health-oriented physical activities and enables the students to independently conduct a study project in the field of fitness, movement and health evaluation during the semester. In doing so, the students acquire theoretical and practical knowledge that enables them to independently determine and analyse psychophysical fitness, movement quality and health condition of various age and target groups in various contexts and evaluate these in view of the current state of research.</p>		
<b>Intended learning outcomes</b>		
<p>The students have basic competencies in conducting methodological research in the science-oriented field of fitness and health sports. They are able to systematically examine pre-existing theories and knowledge and can generate, present and discuss new knowledge. They are also able to initiate and evaluate research projects in the area of fitness and health sports that focus on sports biology and movement science. They can deploy quantitative and statistical work techniques in the field of sports science as well as specific measuring methods of diagnosing performance, movement and health. Furthermore, they are able to critically evaluate the goals and tasks of these techniques and methods as well as their meaning for individual target groups and professional fields.</p>		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
S (1) + S (2)		
<b>Method of assessment</b> (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
Project report to be prepared at home (10 to 15 pages)		
<b>Allocation of places</b>		
S approx. 20 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters.		
<b>Additional information</b>		
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<b>Workload</b>		
210 h		
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
§ 83 I Nr. 5a) (2 ECTS credits) § 83 I Nr. 5d) (5 ECTS credits)		
<b>Module appears in</b>		
First state examination for the teaching degree Gymnasium Science of Sport (2015)		