

3.00 credits

30.0 h

Q2

Teacher(s)	De Jaeger Dominique ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	<ul style="list-style-type: none"> o Fundamentals of research: principles of falsification, refutability, etc. o Research epistemology, ontology, and epidemiology o General principles of research and logic of the sequence of the approach: theory, research question, methods, results and discussion o Structure of a scientific article and publication process o Qualitative/quantitative research o Methods and tools for identifying quality scientific sources and appropriate documentary sources according to the fields of motor science o Methods and tools for citing sources according to the bibliographic standards in force in motor science and intellectual property o Types of studies in motor science o Introduction to the concept of ethics, research biases and the limits of science
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <ul style="list-style-type: none"> • Describe the basic principles of scientific research and the key stages of the scientific approach in the field of motor science (6.1) • Describe the fields of research in the field of motor skills (6.1) • Identify the similarities and differences of research fields (not. qualitative and quantitative research) in the field of motor science (6.1) • Explain how to identify and cite appropriate and relevant documentary sources (6.2) • Describe and identify the limits of science and its biases (6.1) • Identify the key elements of the methodological process in a scientific article in French (6.3)
Evaluation methods	<p>For the first session, students are assessed continuously in two ways:</p> <ul style="list-style-type: none"> • submission of assignments or participation in various activities on Moodle (10% of the final grade). Students must complete 80% of the assignments and activities offered on Moodle to pass this part of the assessment. • two written assessments on MOODLE (TESTS) organized at two points during the year (40% and 50% of the final grade respectively = 90% of the final grade). <p>The final grade is the weighted average of the various assessments, provided that the student has obtained at least 40% for the second written assessment. The final grade is a maximum of 9/20 if the student has obtained less than 40% for the second written assessment.</p> <p>In the second session, the assessment takes the form of a written exam on MOODLE (TEST) (=100% of the second session grade).</p>
Teaching methods	<p>Teaching will combine face-to-face lectures with online activities. The latter will enable students to appropriate the content of the theoretical lectures and develop the skills targeted by the course's specific learning outcomes. Theoretical lectures will provide an opportunity to revisit online activities to ensure that theoretical content and practical applications are properly integrated.</p>
Content	<p>This course introduces students to</p> <ul style="list-style-type: none"> • the specific nature of the scientific approach • the characteristics of scientific literature that distinguish it from popular literature and other forms of literature • the different types of documentary resources: monographs, journal articles, dissertations and theses. • searching bibliographic databases and the UCLouvain catalog • different fields of research in the field of motor skills
Inline resources	https://moodle.uclouvain.be/course/view.php?id=9771
Other infos	<p>This course is complementary to the critical thinking course.</p>

Faculty or entity in charge	FSM
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Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Physiotherapy and Rehabilitation	KINE1BA	3		