

4.00 credits

30.0 h

Q2

Teacher(s)	De Jaeger Dominique (coordinator) ;Patris Sophie ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	<i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Main themes	<ul style="list-style-type: none"> <li>• Fundamentals of research: principles of falsification, refutability, ...</li> <li>• Epistemology of research, ontology and epidemiology</li> <li>• General principles of research and logical sequence: theory, research question, methods, results and discussion</li> <li>• Qualitative/quantitative research</li> <li>• Methods and tools for identifying quality scientific sources in English and appropriate documentary sources in the fields of motor sciences</li> <li>• Methods and tools for citing sources in accordance with current bibliographic standards in the motor sciences and intellectual property.</li> <li>• Types of study in the motor sciences</li> <li>• Research biases</li> <li>• Limits of science</li> </ul>
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <ul style="list-style-type: none"> <li>• Describe the basic principles of scientific research and the key stages of the scientific process in the field of motor sciences (2.1, 2.4 and 7.4)</li> <li>• Describe the fields of research in the motor sciences (2.1)</li> <li>• Identify similarities and differences between fields of research (e.g. qualitative and quantitative research) in the field of motor science (2.1.)</li> <li>• Explain how to identify and cite appropriate and relevant documentary sources (2.2. and 2.5.)</li> <li>• Describe and identify the limits of science and its biases (2.4)</li> </ul>
Other infos	This course is strictly reserved for FSM students. It is not open to other UCLouvain students.
Faculty or entity in charge	FSM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Motor skills : General	EDPH1BA	4	LFSM1103	