

3.00 credits

30.0 h + 15.0 h

Q1

Teacher(s)	Coletti Pietro (coordinator) ;Lorant Vincent ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	<p>30 hours in-class (theory on scientific research) and 15 hours for application and exercises (research on PubMed, Medline ; qualitative research ; questionnaires and interviews)</p> <p>The course material will mainly consist of slides available on ICampus website, scientific papers, research protocols, access to databases and research websites, screen copies for Pubmed literature search, '</p>
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p>At the end of this course and in combination with WESP1009, students will be able to:</p> <ul style="list-style-type: none"> <li>- to choose a topic of research that fits within the field of public health, community health, nursing care, hospital management, clinical field, epidemiology, '</li> <li>- to build in a conceptual scheme with research hypotheses</li> <li>- to search for information in written documentation and by consulting experts</li> <li>- to choose adequate method of investigation : observation, questionnaire</li> <li>- to choose the sampling method and to plan a research project</li> <li>- to collect and record data</li> <li>- to analyze and to interpret data</li> <li>- to report reliable results with the adequate formats (figures, tables, texts)</li> <li>- to synthesize the results in order to present a clear and concise conclusion</li> </ul>
Evaluation methods	
Content	<p>The course provides a background from which postgraduate students may develop their skills and confidence to tackle research problems, to evaluate critically both their own and others' research, to gather information from existing public health data sources, and to communicate their findings accurately and adequately referenced.</p> <p>A major part of this course is devoted to the scientific method used in the development and implementation of clinical or health services research.</p> <p>Topics addressed:</p> <ul style="list-style-type: none"> <li>• Scientific methodology</li> <li>• Cognitive biases and data interpretation</li> <li>• Formulation of a research question</li> <li>• Correlation vs Causation</li> <li>• Type of scientific studies in public health</li> <li>• Structure and critical reading of a scientific article</li> <li>• Concepts in scientific writing, plagiarism and conflict of interestes</li> </ul>
Bibliography	<p>Marquet, J., Van Campenhoudt, L. et Quivy, R. (2022). Manuel de recherche en sciences sociales. (6e éd.). Armand Colin.</p> <p>Beaud M. L'art de la thèse. La découverte: Paris, 2006</p>
Faculty or entity in charge	FSP