

Course title:	<b>Master Thesis</b>				
Course Code:	<b>DLMCHC201</b>				
Course type:	Mandatory				
Course level:	Master				
Year / Semester:	1 <sup>st</sup> / 2 <sup>nd</sup>				
Number of ECTS credits:	20	Choose:	-	Laboratories:	-
Instructor	Dr. Alexandros Argyriadis				
Course Aim	<p>The course aims to equip postgraduate students with knowledge of research methods and to prepare them for conducting scientific research.</p> <p>In particular, it aims to offer the necessary knowledge and skills in the field of research and support students in the design of a research protocol and research plan.</p>				
Expected learning outcomes:	<p>At the end of the course students are expected to:</p> <ul style="list-style-type: none"> <li>• Explain concepts, principles and methods of the research scientific process.</li> <li>• Assess health needs of the population and find research gaps</li> <li>• Design a research proposal</li> <li>• Use the appropriate skills in the process of measuring, writing a research problem, formulating research questions and hypotheses.</li> <li>• Identify types of variables and observation methods.</li> <li>• Understand the operation of measurement scales and the concepts of reliability and validity in quantitative research</li> <li>• Use the methodology of qualitative method efficiently and the ethical issues involved in the research process.</li> <li>• Recognize various sampling methods.</li> <li>• Organize and carry out literature search, essay writing and discussion of research results.</li> <li>• Evaluate and discuss research data.</li> <li>• Apply the research results in the everyday clinical practice.</li> </ul>				
Prerequisites :	none	Prerequisites:	none		
Content	<ul style="list-style-type: none"> <li>• Introduction to the scientific research.</li> <li>• The scientific method and the production of new knowledge.</li> <li>• Assumptions, Variables and Theoretical Background.</li> <li>• Controlled observation, verification, dependence on theory and observation,</li> </ul>				

	<p>the validity of induction.</p> <ul style="list-style-type: none"> <li>• The research proposal - the research protocol.</li> <li>• Overview of the research process , the brainstorming, the planning and programming phase, the empirical phase, the analytical phase, the dissemination phase.</li> <li>• The literature review.</li> <li>• Quantitative and Qualitative research methodology.</li> <li>• Ethical issues.</li> <li>• Population and sample.</li> <li>• Research Tool development and weighting.</li> <li>• Data collection methods in quantitative and qualitative research.</li> <li>• Analysis of quantitative data and presentation of research results. Qualitative research and analysis presentation of research results.</li> </ul>
Teaching Methodology	<p>The teaching of the course includes lectures for the presentation of the theoretical background. The teaching uses analytical presentations with PowerPoint and electronic material with pictures and blueprints in order to better understand the concepts. Relevant material published in reputable international scientific journals is also used in order to follow the latest developments related to the subject of the course.</p>
References	<p><b>Textbooks:</b></p> <ul style="list-style-type: none"> <li>• Harrison, R. (2022). Using mixed methods in health and social care research. In <i>Health and Social Care Research Methods in Context</i> (pp. 7-22). Routledge.</li> <li>• Morgan, A., &amp; Ahmad, N. (2022). Using online surveys to capture health and social care data. In <i>Health and Social Care Research Methods in Context</i> (pp. 39-56). Routledge.</li> </ul> <p><b>Other references:</b></p> <ul style="list-style-type: none"> <li>• Gordon, A. R., Calzo, J. P., Eiduson, R., Sharp, K., Silverstein, S., Lopez, E., ... &amp; Reisner, S. L. (2021). Asynchronous online focus groups for health research: Case study and lessons learned. <i>International Journal of Qualitative Methods</i>, 20, 1609406921990489.</li> <li>• Hensen, B., Mackworth-Young, C. R. S., Simwinga, M., Abdelmagid, N., Banda, J., Mavodza, C., ... &amp; Weiss, H. A. (2021). Remote data collection for public health research in a COVID-19 era: ethical implications, challenges and opportunities. <i>Health Policy and Planning</i>, 36(3), 360-368.</li> <li>• McCarron, T. L., Clement, F., Rasiah, J., Moran, C., Moffat, K., Gonzalez, A., ... &amp; Santana, M. (2021). Patients as partners in health research: A scoping review. <i>Health Expectations</i>, 24(4), 1378-1390.</li> <li>• Renjith, V., Yesodharan, R., Noronha, J. A., Ladd, E., &amp; George, A. (2021). Qualitative methods in health care research. <i>International journal of preventive medicine</i>, 12.</li> <li>• Sorensen, G., Dennerlein, J. T., Peters, S. E., Sabbath, E. L., Kelly, E. L., &amp; Wagner, G. R. (2021). The future of research on work, safety, health and wellbeing: A guiding conceptual framework. <i>Social Science &amp; Medicine</i>, 269, 113593.</li> </ul>
Assessment	Final Thesis: 100%

Language	Greek
----------	-------