

Course title:	<b>Prevention and Treatment of Infectious Diseases</b>			
Course Code:	<b>DLMCHC114</b>			
Course type:	Elective			
Level:	Master			
Year / Semester:	3rd semester -			
Number of ECTS credits:	10	Choose:	3 hours / week	Laboratories:
Professor	Dr. Maritsa Gourni			
Course purpose and objectives:	<p>Prevention and treatment of infections is one of the most important parts of Internal Medicine. The aim of the course is to enable students to apply the rules of prevention in the field of infection diseases and learn how to manage health crises.</p> <p>More specifically, the course aims to support students understand more about how the body's immune system responds to a disease. Moreover, to work out how to prevent the disease or improve its treatment and test the effectiveness of potential new vaccines and treatments.</p>			
Learning outcomes:	<p>At the end of the semester students are expected to be able to:</p> <ul style="list-style-type: none"> <li>• have understood and can apply infection prevention rules</li> <li>• Know which diseases need isolation during their hospitalization</li> <li>• Criticize practices applied in clinical settings</li> <li>• Collaborate interdisciplinary on infection prevention and management processes</li> <li>• Record reports and publish results on the course of infections in specific communities</li> </ul>			
Prerequisites :	None	Prerequisites:	None	
Course content:	<p>There are safety and health rules in all workplaces. In the field of health, the prevention of infections is the most important part of the above. The role of health professionals is the cornerstone in the prevention of these infections. Understanding infections and their causes contributes to the goal of prevention. Also, knowledge of basic principles of infection management makes health professionals more competent and confident in dealing with infections in daily clinical practice.</p> <p>The subject of the course focuses on the recognition of the need to reduce infections and their effects on the population health. In addition, it emphasizes the methodology of their prevention and management through case studies and discussion of theoretical models and principles.</p>			
Teaching Methodology	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.
Bibliography	<p><b><u>Textbooks :</u></b></p> <ul style="list-style-type: none"> <li>• Long, SS, Prober, CG, &amp; Fischer, M. (2022). <i>Principles and practice of pediatric infectious diseases E-Book</i> . Elsevier Health Sciences.</li> <li>• Thomas, V. (2020). <i>Fundamental aspects of Infection Prevention and control</i> (Vol. 1). Andrews UK Limited .</li> </ul> <p><b><u>References :</u></b></p> <ul style="list-style-type: none"> <li>• Alhumaid , S., Al Mutair , A., Al Alawi, Z., Alsuliman , M., Ahmed, GY, Rabaan , A. A. , ... &amp; Al-Omari, A. (2021). Knowledge of infection prevention and control among healthcare workers and factors influencing compliance: A systematic review. <i>Antimicrobial Resistance &amp; Infection Control</i> , 10 (1), 1-32.</li> <li>• Jackson, A., Yacovelli , S., &amp; Parvizi , J. (2022). Prevention of Infection: Best Practice and Novel Strategies. In <i>Musculoskeletal Infection</i> ( pp . 65-93). Springer , Cham .</li> <li>• Khader , Y., Alyahya , M., &amp; Saadeh , R. (2022). Water, Sanitation, and Hygiene (WASH) and Infection Prevention and Control (IPC) in Primary Healthcare Facilities in Jordan in the Context of COVID-19. In <i>Primary Health Care</i> . IntechOpen .</li> <li>• Pedersen, L., Bearman , G., Kiernan, M., &amp; Rupp, ME (2022). Influential Papers that Shaped Paradigms and Changed Practice in Infection Prevention in the Last 60 Years: Then, Now, and Future Directions. <i>Current Infectious Disease Reports</i> , 1-9.</li> <li>• Wigglesworth, N. (2021). Infection prevention and control in the twenty-first century: The era of patient safety. In <i>Germs and governance</i> ( pp . 247-256). Manchester University Press .</li> </ul>
Evaluation	<p>Final Written Assessment 50%</p> <p>Continuous Assessment 20%</p> <p>Mid-Term Assessment 30%</p>
Language	Greek