

Course Title	Community and Preventive Dentistry				
Course Code	DES230				
Course Type	Compulsory				
Level	Bachelor of Dentistry				
Year / Semester	2 nd year / 3 rd semester				
Teachers' Name	Aristomenis Syngelakis, Chrystalla Charalambous				
ECTS	5	Lectures / week	3 hrs / 13 weeks + exam week	Laboratories / week	2 hrs / 13 weeks
Course Purpose and Objectives	<p>The objective of this course is to enhance the students' knowledge regarding:</p> <ul style="list-style-type: none"> • significant aspects of the History of Dentistry. • the methods of prevention of oral diseases; • the implementation of Community Dentistry (Dental Public Health) policies for the promotion of populations' oral health • the social determinants of health and their impact on oral health; • the contribution of behavioral sciences to understanding and prevention of oral health problems • planning, organizing and conducting community-based oral health programs; • applying public health interventions considering unmet needs and oral health inequities. • oral health research methodology, • the principles of conducting epidemiological oral health studies, critically evaluating scientific research and relevant publications. • acquiring skills for designing and implementing individualized caries-preventive programs. 				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Describe the implementation of basic principles of epidemiology in oral health research. Measure oral diseases prevalence and burden; evaluate scientific research and relevant publications; understand the trends of epidemiology of oral diseases, oral health inequities in local, national, regional and global level, and the role of social determinants of oral health. • Describe the core elements of dental public health. Select 				

	<p>appropriate intervention strategies for disease prevention and oral health promotion. Participate in public oral health programs for various populations based upon principles of evidence-based dentistry.</p> <ul style="list-style-type: none"> • Advocate for public health policies in order to protect and promote the oral health of the public incorporating ethical standards. Justify the basic role of fluoride in the prevention of oral diseases. • Communicate and collaborate with other groups of experts/stakeholders and individuals on oral health issues. Utilize effective communication skills to provide oral health education. • Design oral health campaigns • Perform caries risk assessment using various techniques/programs and develop appropriate preventive programs • Discuss the etiopathology of oral diseases and its relation to oral health prevention methods. Select and apply preventive and health promotion interventions appropriate for the prevention of dental caries, periodontal disease, oral cancer and traumatic dental injuries, for the public or at individual level. 		
Prerequisites	None	Co-requisites	None
Course Content	<p>In this regard the students will be familiar with the following:</p> <ul style="list-style-type: none"> • Concepts and definitions of Health, Oral Health, Public Health, Community Dentistry, Preventive Dentistry. Historic milestones in Dentistry. Principles of Community Dentistry (Dental Public Health). The meaning and the principles of Primary Health Care (PHC) and Health Promotion. • The links between oral health and systemic health. Oral health and quality of life. Economic and social importance of oral health. Oral Health and the Common Risk Factor Approach. • Trends of epidemiology of oral diseases. Inequalities in oral health and dental care in local, national, regional and global level. Health Determinants: the significance of Social Health Determinants in oral health inequalities. Levels of prevention. Oral health promotion: principles and areas of action. • Health Systems and oral health: structure, funding and delivery of care; the human right to health; the significance of integration 		

of Oral Health in PHC. The Ethics in Dental Practice: obligations of dental care professionals, principles and ethical dilemmas.

- Main Oral Diseases and conditions: etiopathology, epidemiology and prevention. Part I: Dental caries in children, adolescents and adults. The preventive role of fluoride. Oral health hygiene methods.
- Introduction to the cariostatic mechanisms of fluoride. Methods of fluoridation (systemic and topical). Dental sealants; their role in caries prevention - methods and techniques.
- Main Oral Diseases and conditions: etiopathology, epidemiology and prevention. Part II: Periodontal disease in children, adolescents and adults. Periodontal Diseases and Systemic Diseases. Guidelines for Periodontal Diseases Prevention.
- Main Oral Diseases and conditions: etiopathology, epidemiology and prevention. Part III: oral cancer, injuries, HIV infection, malocclusion and dentofacial deformities.
- Oral health needs assessment. Contribution of behavioral sciences to the understanding and prevention of oral diseases. Oral health education (aims and methods). Synopsis of the role of diet and nutrition on oral diseases prevention.
- Strategies and methods of diseases prevention and oral health promotion: programs at home, community and dental office; identification of groups of people at high risk of poor oral health; development of oral health interventions focusing on vulnerable groups.
- Clinical application of preventive programs in patients with moderate or high caries activity. History taking, caries activity recording, caries risk determination, implementation of prevention programs and patient monitoring. The role of the pediatrician in the promotion of oral health in children and adolescents.
- Evaluate scientific research and scientific articles; understand the basic principles and the procedure of oral epidemiologic research.

Teaching Methodology	Face-to-face								
Bibliography	<p>Hiremath SS. Textbook of Preventive and Community Dentistry. New Delhi: Elsevier India, 2011.</p> <p>Limeback H. Comprehensive Preventive Dentistry. Berlin: Wiley-Blackwell, 2012.</p> <p>Pine C, Harris R. Community Oral Health. London: Quintessence Publishing, 2007.</p>								
Assessment	<table border="1"> <tr> <td>Final Examination</td> <td>60%</td> </tr> <tr> <td>Laboratory / Clinical Work / Oral presentations</td> <td>30%</td> </tr> <tr> <td>Participation and attendance</td> <td>10%</td> </tr> <tr> <td>Total</td> <td>100%</td> </tr> </table>	Final Examination	60%	Laboratory / Clinical Work / Oral presentations	30%	Participation and attendance	10%	Total	100%
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Language	English								