



**Jordan University of Science and Technology**  
**Faculty of Applied Medical Sciences**  
**Allied Dental Sciences Department**

ADS467 Preventive Dentistry - JNQF Level: 6

First Semester 2023-2024

**Course Catalog**

2 Credit Hours. This course will introduce the ADS students to the current knowledge in the prevention of dental diseases and the dental hygienists' important role in this field. The course will cover the dental preventive strategies that could be applied to prevent dental diseases and problems such as dental caries, periodontal diseases, malocclusion, etc. The practical part will be an application of the theoretical knowledge given in the lectures, either by seeing clinical slides, demonstrations, group discussions, or practice on partners. Practical exam will be assigned later

**Text Book**

<b>Title</b>	Primary Preventive Dentistry
<b>Author(s)</b>	Norman O. Harris, Franklin Garcia-Godoy
<b>Edition</b>	6th Edition
<b>Short Name</b>	2004
<b>Other Information</b>	

**Instructor**

<b>Name</b>	<b>Mrs. Reem Tubaishat</b>
<b>Office Location</b>	Faculty of Applied Medical Sciences/ Second Floor
<b>Office Hours</b>	Sun : 08:00 - 09:00 Mon : 08:00 - 09:00 Tue : 08:00 - 09:00 Wed : 15:00 - 16:00 Thu : 08:00 - 09:00 Thu : 15:00 - 16:00
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**Class Schedule & Room**

Section 1:

Lecture Time: Tue : 12:30 - 13:30

Room: N4206

**Prerequisites**

Line Number	Course Name	Prerequisite Type
522260	ADS226 Cariology	Prerequisite / Study

**Tentative List of Topics Covered**

Weeks	Topic	References
Week 1	Introduction into the course/ syllabus distribution	
Week 2	Introduction to primary preventive dentistry/ -Benefits of primary preventive -classification of prevention -The development and structure of dental plaque/ strategies to prevent plaque - Disclosing agent	
Week 3	Dental public health education -Dental plaque formation -Dental calculus -Inhibiting plaque and calculus formation	
Week 4	The developing carious lesion -Caries risk assessment -Remineralization and demineralization principles -Caries steps -Prediction of caries risk -Risk indicators	
Week 5	The saliva/ the whole saliva -Function of saliva -Salivary flow rate -Measuring of salivary flow rate Tooth abrasion - Location, causes, prevention - Toothbrush replacement	
Week 6	Dentifrice, mouth wash, etc, -Triclosan -Dentifrice ingredients -Chlorhexidine -Chewing gum Oral health self-care supplement -Dental floss: types and flossing methods -Oral malodor - Denture maintenance/ cleaning	
Week 7	Water fluoridation -benefits and efficacy of fluoridation -Administration -Mechanism of action - dental fluorosis Community water fluoridation: hot Vs cold climate -Dietary fluoride supplement - Fluoride toxicity Topical fluoride: -forms, types, indications, procedure -Fluoride varnish	
Week 8	Periodontal disease prevention: facts, risk assessment, and evaluation	
Week 9	midterm exam	
Week 10	Pit and fissure sealant -Types -Classification of sealant by filler material -Indication/ contraindication for sealant application Sealant retention -Increasing surface area -Preparation and application of sealant guidelines -Evaluation -Sealant failure	
Week 11	Periodontal prevention -Facts, risk assessment, and evaluation -Gingival sulcus -Indices for periodontal tissues: plaque index, bleeding index, etc	
Week 12	Nutrition and nutritional counseling -RDA recommended daily allowance -Diet counseling, patient factors -Food guide pyramid, food labels, malnutrition -Nutrition assessment: questionnaire, diary, ? -My pyramid, my plate Nutritional screening and assessment -Sweet and sugar evaluation chart (sugar assessment) -Nutritional counseling techniques	

Week 13	Understanding human motivation for behavior change/ dental public health program / oral health promotion in schools -Reason for not seeing care -Bloom?s taxonomy of educational objectives -Learning ladder -Instructional principles	
Week 14	Tobacco and oral health -Oral effects of tobacco use/ role of DH -Tobacco use cessation intervention -Components for successful client-provider interaction -5A?s, AAR strategies for smoking cessation program Tobacco cessation interventions -Components of tobacco products -Smokeless tobacco -Oral manifestation of tobacco use	
Week 15	Prevention of oral cancer & precancerous lesions, Oral cancer professional & self-examination techniques -basic concepts and risk factors -Teaching factors for the patients Diagnostic tools for the oral cancer detection -Exfoliative cytology and brush biopsy -Advantages and disadvantages of oral cancer detection	

<b>Mapping of Course Outcomes to Program Outcomes and NQF Outcomes</b>	<b>Course Outcome Weight (Out of 100%)</b>	<b>Assessment method</b>
Define preventive dentistry, dental health education, patient education and motivation, and learning, Describe the three levels of prevention [10L6K1, 10L6K2]	20%	
Discuss the role of the dental hygienists in dental disease prevention and oral health promotion, Discuss public health career options for dental hygienists [10L6S2]	10%	
Discuss the benefits of primary prevention programs, including fluoridation, sealants, and oral health education, Discuss effective learning and teaching principles that could be applied to educate patients about dental diseases and dental preventive strategies [10L6K2, 10L6S1]	20%	
Explain the role of plaque control in preventing dental diseases, Identify effective diet analysis and counseling principles [10L6K2]	10%	
Describe the strategies to prevent oral mucosal lesions and orofacial traumas and injuries such as wearing mouth-guards for those practicing sports, Describe the importance of community water fluoridation as a public health measure [10L6S1, 10L6S2]	20%	
Identify smoking as a risk factor for many dental diseases and explain the interventions that could be applied to help a client stop smoking [10L6K1]	10%	
Identify oral cancer as a risk factor and explain the interventions that could be applied to help a client to recognize the normal range factors [10L6K1]	10%	

<b>Relationship to NQF Outcomes (Out of 100%)</b>			
L6K1	L6K2	L6S1	L6S2
30	30	20	20

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