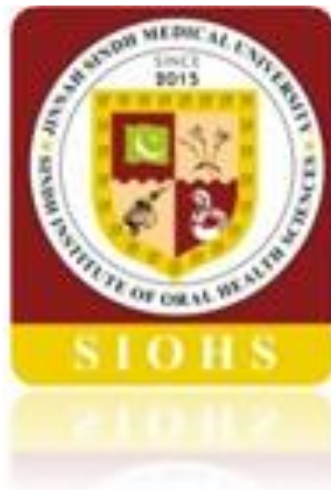




DEPARTMENT OF
COMMUNITY &
PREVENTIVE DENTISTRY

CURRICULLUM OUTLINE FORMAT



SINDH INSTITUTE OF ORAL HEALTH
SCIENCES

JINNAH SINDH MEDICAL UNIVERSITY

COMMUNITY & PREVENTIVE DENTISTRY

1. Course Topic: - Dental Public Health

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
1.	Dental Public Health	<ul style="list-style-type: none"> ○ What is public health?/dental public health ○ Identifying a public health problem ○ Differences between personal and community health care. ○ Ethics in dentistry ○ Surveillance System (Planning Cycle) 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorial 	<ul style="list-style-type: none"> ○ Class participation ○ Class test ○ Group assignment ○ Final Examination

2. Course Topic: - Oral Health Promotion

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
2.	Health promotion	<ul style="list-style-type: none"> ○ Knowledge attitude about oral health & health education ○ Goals for oral health 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorials ○ Poster Presentation or Oral health awareness 	<ul style="list-style-type: none"> ○ Class participation ○ Final Examination ○ Class test
	Oral Health Education	<ul style="list-style-type: none"> ○ Plan, conduct & evaluate dental health education sessions 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorials ○ Community based project on 	<ul style="list-style-type: none"> ○ Class participation ○ Community based project on

		<ul style="list-style-type: none"> ○ Comparison between private and government sectors 	oral health & promotion of oral health in schools	oral health & promotion of oral health in schools <ul style="list-style-type: none"> ○ Final Examination
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3. Course Topic: - The Dental Workforce

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
3.	Dental Auxiliaries	<ul style="list-style-type: none"> ○ Types of dental personnel ○ Dental auxiliaries and types ○ Expanded function dental auxiliaries ○ Types of supervision 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorials 	<ul style="list-style-type: none"> ○ Class participation ○ Final Examination

4. Course Topic: - The Measurement of Oral Disease

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
4.	The measurement of oral disease	<ul style="list-style-type: none"> ○ Epidemiology: An Introduction ○ Methods of measuring oral diseases ○ Counts ○ Proportions ○ Incidence and prevalence ○ Rates 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorials 	<ul style="list-style-type: none"> ○ Class participation ○ Class test ○ Group assignment ○ Final Examination

		<ul style="list-style-type: none"> ○ indexes ○ Criteria for ideal index 		
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5. Course Topic: - The Dental Health Practice: Infection Control & Mercury Safety

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
5.	The Dental health practice: Infection control and mercury Safety	<ul style="list-style-type: none"> ○ Infection Control ○ Guidelines for infection control ○ OSHA & dental practice ○ HIV infection and aids ○ Oral Manifestation of HIV infection ○ Hepatitis B and C ○ Public and professional perception of infectious disease ○ HIV issues in dental practice and Dental Education ○ Dental Unit water line ○ Dental Amalgam: Safety and environmental issues 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorials 	<ul style="list-style-type: none"> ○ Class participation ○ PPT presentation ○ Assignments ○ Class Test ○ Final Examination

6. Course Topic: - Evidence Based Dentistry & Dental Literature

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
6.	Evidence Based Dentistry and Dental literature	<ul style="list-style-type: none"> ○ What is evidence based Dentistry? ○ The art and science of dentistry ○ Rating the quality of the literature ○ The systematic review ○ Conducting a systemic review ○ Examples of Evidence based dentistry ○ Are powered tooth brushes superior to manual cleaning for oral health? ○ Text book and peer reviewed journals ○ Peer review ○ Judging the quality of a journal 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorials 	<ul style="list-style-type: none"> ○ Class participation ○ Individual assignment ○ Final examination ○ Group Assignment

7. Course Topic: - Research Design in Oral Epidemiology

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
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7.	Research Design in Oral Epidemiology	<ul style="list-style-type: none"> ○ Causality and risk ○ Experimental and non experimental study design ○ Choice of population in which the trial will be conducted. ○ Adequacy of the numbers of subjects ○ Comparability of study and control groups ○ Use of a placebo in the control group ○ Control of operational procedure ○ Examiner reliability ○ Duration of the trial ○ Research protocol (from Daly B) 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorials 	<ul style="list-style-type: none"> ○ Class participation ○ Final examination
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8. Course Topic: - Dental Caries

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
8.	Dental Caries	<ul style="list-style-type: none"> ○ Definition ○ Global distribution of caries secular variations in caries experience ○ Natural history 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorials ○ Questionnaire/ interview study ○ To calculate DMF scores on models ○ Perform 	<ul style="list-style-type: none"> ○ Class participation ○ Community visits ○ Class test ○ Individual Assignment ○ Final

		<p>and classification</p> <ul style="list-style-type: none"> ○ Etiological Factors ○ Risk factors and risk indicators ○ Nutrition and caries ○ Diet and caries ○ Root caries ○ Early child hood caries ○ Old theories of caries ○ DMF index ○ Coronal caries and criteria for diagnosis ○ Caries treatment needs ○ Caries prevention ○ Pits and fissure sealants 	<p>exercises on patients in the out patients department</p>	<p>examination</p>
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9. Course Topic: - Periodontal Diseases

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
9.	Periodontal disease	<ul style="list-style-type: none"> ○ Definitions ○ Classification ○ Periodontal infections and host response ○ Current model of periodontal diseases ○ Distribution of periodontal diseases ○ Etiology ○ risk factors in Periodontal 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorials ○ Perform exercises on patients in the out patients department 	<ul style="list-style-type: none"> ○ Class participation ○ Community visits ○ Class test ○ Individual Assignment ○ Group Assignment ○ Final examination

		diseases ○ Systemic conditions and periodontal diseases ○ GI index ○ PDI ○ CPITN ○ Plaque and calculus ○ OHI		
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10. Course Topic: - Oral Cancer & Other Conditions of Oral Diseases

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
10.	Oral Cancer & Other Conditions of Oral Diseases	○ Oral cancer ○ Malocclusion ○ Pre cancerous lesions ○ Cleft lip and palate ○ Tmj disorders ○ Soft tissue lesions	○ Lectures ○ Tutorials ○ OPD Visits	○ Class participation ○ Group Assignments ○ Final examination

11. Course Topic: - Fluoride: Human Health, Caries Prevention And Dental Fluorosis

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
11.	Dental Fluorosis	○ Definitions ○ Risk factors for dental Fluorosis ○ Fluoridated drinking water ○ Fluoride dietary supplements	○ Lectures ○ Tutorials ○ Factory visit ○ Application of high fluoride gel ○ Demonstration of ART	○ Class participation ○ Community visits ○ Class test ○ Individual Assignment

		<ul style="list-style-type: none"> ○ Early use of fluoride toothpaste ○ Infant formula ○ Dean's Fluorosis index ○ Developmental Defects of dental enamel index ○ Dental Fluorosis and caries ○ Role of fluoride in DPH ○ Environmental Fluoride ○ Sources and amount of Fluoride ○ Intake ○ Fluoride physiology ○ Absorption, retention and excretion ○ Optimum fluoride intake ○ Fluoride and human health ○ Fluoride toxicity ○ Fluoride and caries control ○ Mechanism of action ○ Other Sources of Fluoride in Caries prevention: ○ Fluoridated salt ○ Fluoridated school drinking water ○ Fluoridated milk ○ Dietary fluoride supplements ○ Professionally applied fluoride ○ Gels ○ Fluoride varnishes 	(Atraumatic Restorative Treatment)	<ul style="list-style-type: none"> ○ Group Assignment ○ Final examination
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		<ul style="list-style-type: none"> ○ Fluoride mouth rinses ○ Fluoride tooth paste ○ Multiple fluoride exposures 		
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12. Course Topic: - Primary Health Care

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
12.	Primary Health Care	<ul style="list-style-type: none"> ○ Concepts of health, disease and illness ○ Iceberg of disease ○ Specific protection ○ Primary health care (PHC) ○ Declaration of Alma Atta ○ Concept of primary health care (5 points) ○ Essential elements of primary health care program ○ Key concepts of primary health care planning ○ Levels of prevention (Primary, secondary, tertiary) 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorials 	<ul style="list-style-type: none"> ○ Class participation ○ Class test ○ Final Examination

13. Course Topic: - Biostatistics

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
13.	Biostatistics	<ul style="list-style-type: none"> ○ Standard Deviation ○ Tools of measuring spread ○ Types of data variables ○ Presentation of data ○ Probability ○ Measure of central tendency (mean median and mode) ○ Measuring the value of diagnostic test (sensitivity and specificity) 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorials 	<ul style="list-style-type: none"> ○ Class participation ○ Class test ○ Assignment ○ Final Examination

14. Course Topic: - Fissure Sealants

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
14.	Fissure Sealants	<ul style="list-style-type: none"> ○ Uses and issues related to fissure sealants ○ Recommendations of their uses 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorials ○ Apply Fissure sealants in children aged 6-12 years 	<ul style="list-style-type: none"> ○ Class participation ○ Assignments ○ Final examination

15. Course Topic: - Diet & Plaque Control

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
15.	Plaque Control	<ul style="list-style-type: none"> ○ Rationale for plaque control ○ Nature of dental plaque ○ Approaches to plaque control ○ Mechanical plaque removal ○ By the individual ○ Frequency of tooth brushing ○ Type of tooth brushing ○ Tooth brushing methods ○ Interdental cleaning ○ Antimicrobial approach ○ Chemical plaque removal ○ Mechanical plaque removal by the dental professional 	<ul style="list-style-type: none"> ○ Lectures ○ Tutorials ○ Perform Plaque disclosing exercise ○ Demonstrate methods of Tooth Brushing on models ○ Instruct about Oral Hygiene Measures 	<ul style="list-style-type: none"> ○ Class participation ○ Class test ○ Final Examination

16. Course Topic: - Restricting the use of Tobacco

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
16.	Tobacco & Its Restriction	<ul style="list-style-type: none"> ○ Prevalence of tobacco use ○ Pathological effects smokeless tobacco ○ Restricting tobacco use ○ Restricting cigarette smoking ○ Restricting 	<ul style="list-style-type: none"> ○ Lecture ○ Tutorials 	<ul style="list-style-type: none"> ○ Class participation ○ Class test ○ Final Examination

		smokeless tobacco ○ What dental professions do?		
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17. Course Topic: - Behavioral Sciences

S.No	Lecture Topic	Topic Objectives	Mode of teaching	Assessment tools
17.	Behavioral Sciences	<ul style="list-style-type: none"> ○ Introduction ○ Behavior patterns ○ Anxiety and fear management in Dentistry ○ Describe theories of behavior change ○ Explain practical reflections on theories of behavior change ○ Describe dental stress & anxiety ○ Illustrate dentist-patient communication ○ Describe psychodynamic theories ○ Explain behavior learning theories 	<ul style="list-style-type: none"> ○ Lecture ○ Tutorials 	<ul style="list-style-type: none"> ○ Class participation ○ Class test ○ Final Examination