

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: DEH 1720

COURSE TITLE: Preventive Dentistry

PREREQUISITE(S): None

COREQUISITE(S): None

STUDENT ADVISING NOTES: Acceptance into the Dental Hygiene Program
Suggested Course: DEH 1002C

CREDIT HOURS: 2

CONTACT HOURS/WEEK: 2

CONTACT HOUR BREAKDOWN:
Lecture/Discussion: 2
Laboratory:
Other _____:

FACULTY WORKLOAD POINTS: 2

STANDARDIZED CLASS SIZE
ALLOCATION: 24

CATALOG COURSE DESCRIPTION:

This course is designed to provide the theoretical and experiential foundations essential for teaching the primary and secondary prevention of oral diseases to the public. Course content will include concepts of health and wellness; theories of teaching, learning and motivation; research analysis as it applies to evidence-based practice; describing various target populations through knowledge of life stage changes and comprehensive patient assessment data; biologic and lifestyle threats to oral health and the identification of scientifically sound self-care methods for counteracting these threats. Throughout this course, the frontline role of the dental hygienist is the primary and secondary prevention of oral diseases in a private dental practice setting will be addressed.

SUGGESTED TEXT(S): Harris, Primary Preventive Dentistry, Prentice Hal, 2003

IMPLEMENTATION DATE: Fall Term, 1996 (971)

REVIEW OR MODIFICATION DATE: Fall Term, 2002 (20031)
Fall Term, 2004 (20051)
Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. Introduction to Preventive Dental Hygiene Care	2
<ul style="list-style-type: none"> A. Course Introduction B. Concepts of Health and Wellness C. Terminology D. Three levels of prevention with oral health examples E. Frontline role of Dental Hygienist in primary and secondary oral disease prevention 	
II. Preventable oral diseases: biologic threats to oral health	2
<ul style="list-style-type: none"> A. primary cuticle & acquired pellicle B. bacterial colonizers in dental plaque C. metabolic activities associated with plaque bacteria D. differences between supra and subgingival calculus E. role of acquired pellicle, bacterial plaque, dental calculus in caries and chronic inflammatory periodontal diseases F. four types of carious lesions G. root caries vs. coronal caries H. visual & microscopic appearances of incipient lesions I. microorganisms involved in caries process J. concept of demineralization and remineralization 	
III. Impact of lifestyle choices on oral health	2
<ul style="list-style-type: none"> A. Primary and secondary prevention of genetic/developmental oral conditions B. Prevention of early childhood caries (ECC) C. Epidemiology and etiology of orofacial trauma D. Recognizing and reporting abuse E. Prevention of oral-pharyngeal cancers F. Oral manifestations of smoked and smokeless tobacco use G. Tobacco prevention and cessation roles for the dental hygienist H. Four A's I. Dietary contributions to oral disease J. Impact of eating disorders on oral integrity K. Identifying, educating, referring suspected bulimic patients 	
IV. Becoming an oral health educator	4
<ul style="list-style-type: none"> A. Defining our target and reaching them B. Impact of life-stage, culture, psychosocial factors and clinical data collection of educational interventions C. Theories of learning D. Theories of teaching 	

COURSE TOPICS (CONTINUED)	<u>CONTACT HOURS PER TOPIC</u>
E. Motivational theories and strategies	
F. Internal and external motivation	
G. Maslow's hierarchy	
H. Developing goals, objectives and activities	
I. Counseling elements	
J. Learning ladder	
K. Customizing self-care to reflect oral health status, abilities, motivational needs	
L. Patient specific approach versus standardized routine	
M. Barriers to compliance/adherence	
N. Overcoming compliance/adherence barriers	
 V. Introduction to research: key to evidenced-based interventions	 4
A. Concept of "evidence"	
B. Terminology	
C. Experimental vs. descriptive research	
D. Frequency distribution tables, histogram, graphs, polygon	
E. Measures of central tendency, variability, correlation	
F. Reporting scientific data	
G. Critical analysis of the scientific articles	
 VI. Strategies and scientifically sound self-care aids	 6
A. FDA	
B. ADA	
C. Small steps in recommending products and performances	
D. Manual tooth brushes versus powered toothbrushes	
E. Tooth brushing methods	
F. Dentifrice: therapeutic versus cosmetic ingredients	
G. adverse effects	
H. mouth rinses: chemotherapeutic versus cosmetic	
I. supplemental self-care devices and techniques	
J. home irrigation	
K. home whitening	
L. self-care management of prosthetics	
M. self-care in orthodontics	
N. self-care management of implants	
O. self-care management of dentinal sensitivity	
P. purpose, indication, contraindication, technique, advantages	
limitations of:	
1. floss	
2. floss holder	
3. floss threader	
4. knitting yarn	
5. pipe cleaner	

COURSE TOPICS (CONTINUED)	<u>CONTACT HOURS PER TOPIC</u>
6. gauze strip	
7. rubber tip	
8. wedge	
9. toothpick	
10. toothpick holder	
11. interdental brush	
12. end tufted brush	
13. tongue cleaner	
14. chewing gum	
VII. Impact of fluoride and sealants on preventable oral diseases	6
A. Normal metabolism of fluoride in humans	
B. Topical and systemic caries inhibition mechanisms of fluoride	
C. Fluorosis appearance and risk factors	
D. High risk exposure phase of anterior teeth	
E. Chemical reactions of topical sodium, stannous fluoride	
F. Percentages of sodium and stannous available for home use	
G. Problems associated with early fluoride	
H. Saliva's contribution to defense of tooth	
I. Supersaturating of saliva as it applies to demineralization and remineralization	
J. Eight functions of fluoride in preventing caries	
K. Appropriate fluoride recommendations for self-care	
L. Indications for use of pit and fissure sealants	
M. Four essentials for maximum retention	
N. Five reasons for under-use of sealants	
VIII. Maintenance of oral health	4
A. Selecting appropriate recare intervals	
B. Obstacles in seeking oral health care	
C. Evaluation reevaluation in ensuring optimal health	
D. Establishing a preventive oral health program in dental hygiene practice	
Total Contact Hours	30

PROGRAM TITLE: Dental Hygiene
 COURSE TITLE: Preventive Dentistry
 CIP NUMBER: 0317.010200

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

- 01.0 DEMONSTRATE KNOWLEDGE OF THE HEALTH CARE DELIVERY SYSTEM AND HEALTH OCCUPATIONS - The student will be able to:
- 01.05 Develop a basic understanding of human needs throughout the lifespan
- 02.0 DEMONSTRATE ABILITY TO COMMUNICATE AND USE INTERPERSONAL SKILLS EFFECTIVELY - The student will be able to:
- 02.01 Develop basic listening skills
 02.02 Develop basic observational skills and related documentation strategies in written and oral form
 02.03 Identify characteristics of successful and unsuccessful communication including barriers
 02.04 Respond to verbal and non-verbal cues
 02.05 Compose written communication using correct spelling, grammar and format
 02.08 recognize the importance of patient/client education regarding healthy care
 02.09 Adapt communication skills to varied levels of understanding and cultural orientation
- 03.0 DEMONSTRATE LEGAL AND ETHICAL RESPONSIBILITIES - The student will be able to:
- 03.07 Recognize and report abuse and neglect
- 04.0 DEMONSTRATE AN UNDERSTANDING OF AND APPLY WELLNESS AND DISEASE CONCEPTS - The student will be able to:
- 04.03 Identify psychological reactions to illness including defense mechanisms
- 08.0 DEMONSTRATE COMPUTER LITERACY - The student will be able to:
- 08.01 Define terms and demonstrate basic computer skills
- 11.0 APPLY BASIC MATH AND SCIENCE SKILLS - The student will be able to:
- 11.06 Demonstrate ability to evaluate and draw conclusions
- 21.0 DESCRIBE PRINCIPLES AND PERFORM TECHNIQUES OF PREVENTIVE DENTISTRY - The student will be able to:
- 21.01 Identify and instruct patients on applicable methods of preventive dentistry
 21.02 Identify elements of nutrition, basic food groups and acceptable diets
 21.03 Identify deficiencies that manifest symptoms in the oral cavity

LIST PERFORMANCE STANDARD ADDRESSED: (Continued)

NUMBER(S): TITLES(S):

- 26.0 DESCRIBE PRINCIPLES AND PERFORM TECHNIQUES OF PREVENTIVE INDUSTRY - The student will be able to:
- 26.03 formulate and present diets to address specific dental needs and provide nutritional counseling
- 27.0 PERFORM PATIENT PREASSESSMENT - The student will be able to:
- 27.01 Take, record, and correlate medical/dental history with dental hygiene treatment plan and services to be performed
- 27.04 Perform, record and correlate extraoral and intraoral examination findings with dental hygiene treatment plan and patient services to be performed
- 27.09 Assess the patient's nutritional status and prepare recommendations.
- 28.0 PERFORM DIRECT PATIENT SERVICES - The student will be able to:
- 28.08 Direct patient in all home therapies to maintain and restore soft tissue health
- 28.09 Provide dietary counseling for health maintenance and specific healing needs
- 29.0 IMPLEMENT AND EVALUATE COMMUNITY HEALTH INTERVENTIONS AND RESEARCH ACTIVITIES - The student will be able to:
- 29.03 Interpret research findings in scientific literature
- 29.04 Apply research findings to dental hygiene care delivery



NOTE: Use either the Tab key or mouse click to move from field to field. The box will expand to accommodate your entry.

Section 1	
COURSE PREFIX AND NUMBER: <u>DEH 1720</u>	SEMESTER CREDIT HOURS: <u>2</u>
COURSE TITLE: <u>Preventive Dentistry</u>	

Section 2

TYPE OF COURSE: (Click on the box to check all that apply)

<input type="checkbox"/> AA Elective	<input checked="" type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input type="checkbox"/> AS Professional Elective	<input checked="" type="checkbox"/> AAS Required Professional Course	<input type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other _____		
<input type="checkbox"/> General Education: (For General Education courses, you must also complete Section 3 and Section 7)		

Section 3 (If applicable)

INDICATE BELOW THE DISCIPLINE AREA FOR GENERAL EDUCATION COURSES:

<input type="checkbox"/> Communication	<input type="checkbox"/> Social & Behavioral Sciences	<input type="checkbox"/> Mathematics
<input type="checkbox"/> Natural Sciences	<input type="checkbox"/> Humanities	

Section 4

INTELLECTUAL COMPETENCIES:

<input checked="" type="checkbox"/> Reading	<input checked="" type="checkbox"/> Speaking	<input checked="" type="checkbox"/> Critical Analysis	<input type="checkbox"/> Quantitative Skills	<input checked="" type="checkbox"/> Scientific Method of Inquiry
<input checked="" type="checkbox"/> Writing	<input checked="" type="checkbox"/> Listening	<input checked="" type="checkbox"/> Information Literacy	<input checked="" type="checkbox"/> Ethical Judgment	<input checked="" type="checkbox"/> Working Collaboratively

Section 5	LEARNING OUTCOMES	METHOD OF ASSESSMENT
•	Upon successful completion of this course, students will be able to demonstrate an understanding of and apply wellness and disease concepts	Written examination
•	Upon successful completion of this course, students will be able to describe principles and perform techniques of preventive dentistry	Written and practical examination
•	Upon successful completion of this course, students will be able to identify and instruct patients on applicable methods of preventive dentistry	Written and practical examination
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Section 6

Name of Person Completing This Form: Jeff Smith Date: 4-29-2008