

El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	<u>Dental Hygiene</u>								
COURSE RUBRIC AND NUMBER	<u>DHYG 2201</u>								
COURSE TITLE	<u>Pharmacology for the Dental Hygienist</u>								
COURSE CREDIT HOURS	<table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>2</u></td> <td style="text-align: center;"><u>2</u></td> <td style="text-align: center;">:</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td style="text-align: center;">Credit</td> <td style="text-align: center;">Lec</td> <td></td> <td style="text-align: center;">Lab</td> </tr> </table>	<u>2</u>	<u>2</u>	:	<u>0</u>	Credit	Lec		Lab
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Credit	Lec		Lab						

I. Catalog Description

Studies dental hygiene care for the medically or dentally compromised patient including supplemental instrumentation techniques. A grade of "C" or better is required in this course to take the next course.
Prerequisites: DHYG 1103 and DHYG 1201 and DHYG 1219 and DHYG 1239 and DHYG 1304 and DHYG 1431. Corequisites: BIOL 2420 or BIOL 2421 and DHYG 1211 and DHYG 1235 and DHYG 1261. (2:1). Lab fee.

II. Course Objectives

Upon satisfactory completion of this course, the student will be able to:

- A. Unit I. Application of Prophylactic Measures
 - 1. Fluoride
 - a. Explain the metabolism of fluoride.
 - b. Discuss how fluoride is essential to sound tooth development.
 - c. Explain fluoride uptake on the tooth surface.
 - d. Identify demineralization and remineralization.
 - e. Discuss fluoridation.
 - f. Define the role of fluoride in caries management.
 - 2. Tobacco Cessation
 - a. Explain the systemic health effects of tobacco.
 - b. Discuss oral health effects of tobacco.
 - c. Identify the challenges to successful tobacco cessation.
 - d. Discuss nicotine addiction.
 - e. Explain measures that help patients become tobacco-free.
 - f. Identify FDA-approved pharmacological adjuncts.

- B. Unit II. The Dental Hygiene Process of Care for the Medically or Orally Compromised
 - 1. Define the Dental Hygiene Process of Care for Patients with Cardiovascular Disease.
 - 2. Define the Dental Hygiene Process of Care for Patients with Diabetes Mellitus.
 - 3. Define the Dental Hygiene Process of Care for Patients with Cancer.
 - 4. Define the Dental Hygiene Process of Care for Patients with Human Immunodeficiency Virus (HIV) Infection.
 - 5. Define the Dental Hygiene Process of Care for Patients with Autoimmune Diseases.
 - 6. Define the Dental Hygiene Process of Care for Patients with Renal Disease and Organ Transplantation.

7. Define the Dental Hygiene Process of Care for Patients with Respiratory Diseases.
8. Define the Dental Hygiene Process of Care for Patients with Orofacial Clefts and Fractured Jaws.

C. Unit III. Assessment of Treatment Requirements for Individuals with Special Needs

1. Define the concept of disabilities.
 - a. Legislation
 - b. Barriers
 - c. Personal Self-Worth and Interaction
 - d. Categorization and Classification
 - e. Assistive Devices
 - f. Patient Positioning and Stabilization
2. Define Developmentally and Cognitively Challenged Disabilities.
 - a. Medical and Dental Hygiene Considerations for Patients with Developmental Disabilities (DDs), Intellectual Disabilities (IDs), and Self-Injurious Behavior (SIB)
 - b. Medical and Dental Hygiene Considerations for Patients with Downs Syndrome
 - c. Medical and Dental Hygiene Considerations for Patients with Autism Spectrum Disorders (ASDs)
3. Define Neurologic and Sensory Deficits.
 - a. Dysfunctions of the Motor System: Parkinson's Disease, Cerebral Palsy, and Multiple Sclerosis (MS)
 - b. Peripheral Neuropathies: Bell's Palsy, Trigeminal Neuralgia, Spinal Cord Dysfunction, Seizures, and Epilepsy
 - c. Disorders of Higher Cortical Function: Dementia and Alzheimer's Disease
 - d. Cerebrovascular Disease: Stroke
 - e. Sensory Disorders: Hearing and Vision
4. Define Alcohol and Substance Abuse Problems
 - a. Concepts of Alcohol and Substance Abuse
 - b. Causes of Substance Abuse
 - c. Medical Treatment for Substance Abuse
 - d. Dental Hygiene Process of Care for Patients with Alcohol and Substance Abuse
 - e. Dental Professionals and Substance Abuse
5. Define Eating Disorders
 - a. Anorexia Nervosa
 - b. Bulimia Nervosa
 - c. Binge-Eating Disorder
 - d. PICA
 - e. Rumination Disorder
 - f. Avoidant/Restrictive Food Intake Disorder (ARFID)
 - g. Dental Hygiene Process of Care for Patients with Eating Disorders
6. Define Women's Health and the Health of Their Children.
 - a. Gender Bias
 - b. Links between Oral and Systemic Health
 - c. Women and Heart Disease
 - d. Dental Hygiene Process of Care for Women's Significant Life Events
7. Define the Special Needs of the Older Adult.
 - a. Demographic Aspects of Aging
 - b. Healthcare for Older Adults
 - c. Why and How People Age
 - d. Health Status and Assessment
 - e. Health Promotion and Aging
 - f. Oral Conditions in the Aged
 - g. Dental Hygiene Process of Care for the Older Adult
 - h. Community Health Services for the Aged
8. Define Abuse and Neglect.
 - a. Maltreatment

- b. Child Maltreatment and the Assessment of Its Oral Indicators
- c. Family Violence and the Assessment of Its Oral Indicators
- d. Elderly and Vulnerable Adults and Their Oral Indicators
- e. Human Trafficking and Its Oral Indicators
- f. Detecting and Reporting Abuse: Assessment and Education.

III. THECB Learning Outcomes (WECM)

Upon successful completion of this course, students will:

- 1. Assess various patient needs.
- 2. Formulate a dental hygiene care plan for the medically and/or dentally compromised patient.
- 3. Describe supplemental instrumentation techniques.

IV. Evaluation

1. *Pre-assessment*

There will be no pre-assessment.

2. *Grading Requirements*

- To successfully complete this course, students must earn an overall grade of 75% or better in the course.
- Students who DO NOT complete all listed tasks will receive an F for the course.
- No retake examinations will be given
- Assignments on prepU or other similarly approved sources not turned in on due date and time will be graded on a scale of 0 – 75.

3. *Evaluation Methods and Overall Course Weights*

- Four (4) Chapter Examinations: 40%
- Final Exam: 5%
A five-page research paper on treatment requirements for the special needs population, graded according to the Mini Research Paper Rubric.
- PrepU Weekly Assignments: 55%
Students will complete PrepU chapters selected from Wilkin’s book, *Clinical Practice of the Dental Hygienist*, from the Special Patients Section and the chapters on Fluoride and Smoking Cessation. Student must reach a mastery level of 3 on prepU.
 - Mastery Level 3 Grade 93%.
 - Any two levels above a 3 95%
 - Any level 6 or above 98%

4. *Grading Scale*

A	=	100 – 93
B	=	92 – 83
C	=	82 – 75
D	=	74 – 70
F	=	69 and below

**The minimum acceptable numerical number is a 75 as determined by the program’s promotion and graduation policies.*

5. Remediation

Remediation will be provided for those students needing assistance. Such assistance will be discussed with the student and assignments will be provided.

V. Dental Hygiene Entry-Level Competencies

- C.7 Integrate accepted scientific theories and research into educational, preventive, and therapeutic oral health services
- PC.3 Recognize the relationship among systemic disease, medications, and oral health that impact overall patient care and treatment outcomes.
- PC.4 Identify patients at risk for a medical emergency, and manage the patient care in a manner that prevents an emergency.

VI. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VII. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.

VIII. Title IX and Sex Discrimination

Title 9 (20 U.S.C. 1681 & 34 C.F.R. Part 106) states the following "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving Federal financial assistance." The Violence Against Women Act (VAWA) prohibits stalking, date violence, sexual violence, and domestic violence for all students, employees and visitors (male and female). If you have any concerns related to discrimination, harassment, or assault (of any type) you can contact the Assistant to the Vice President for Student and Enrollment Services at 915-831-2655. Employees can call the Manager of Employee Relations at 915-831-6458. Reports of sexual assault/violence may also be reported to EPCC Police at 915-831-2200.