

WEST LOS ANGELES COLLEGE
DEPARTMENT OF DENTAL HYGIENE

- I. DH 204 DENTAL HEALTH EDUCATION
- II. PREPARED BY: JOY OGAMI AVILA, R.D.H., M.S.
- III. REVISED FOR: FALL 2013
- IV. PREREQUISITES: COMPLETION OF ALL ATTEMPTED DENTAL HYGIENE COURSES WITH A FINAL GRADE OF C OR BETTER
- V. UNITS AND HOURS: ONE UNIT, WEDNESDAY
2:45–4:15 P.M.
- VI. OFFICE HOURS: TUESDAY 3:30 P.M. – 4:30 P.M., FRIDAY 4:15 P.M. – 5:25 P.M.
AVAILABLE ALSO BY EMAIL AND APPOINTMENT
- VII. COURSE INSTRUCTOR: JOY OGAMI AVILA, R.D.H., M.S.
jcogami@gmail.com
- VIII. COURSE DESCRIPTION:

This course is a study of the concepts and methods of preventive dentistry as they relate to the oral health of groups. This course will also introduce and develop research concepts and data analysis for table clinic presentations.

IX. REQUIRED READINGS:

Nathe, C. (2011). Dental Public Health and Research: Contemporary Practice for the Dental Hygienist, Third Edition. Upper Saddle River, New Jersey: Prentice Hall.

SUGGESTED READINGS:

Geurink, K.V. (2005) Community Oral Health Practice for the Dental Hygienist, Second Edition. Philadelphia, Pennsylvania: W.B. Saunders Company.

Patten, M. (2009). Understanding Research Methods: An Overview of the Essentials, Seventh Edition. Los Angeles: Pyczak Publishing.

X. COMPETENCIES:

The student is expected to possess knowledge, skills, judgments, values, and attitudes to develop the foundation for the listed program competencies.

Program competency#2: Perform self-assessment for life long learning to provide evidenced-based practice of dental hygiene.

Program competency#3: Understand and interpret the scientific literature and research as it relates to the evidence-based practice of dental hygiene.

Program competency #8: Systematically collect, analyze and record assessment data on the general, oral, periodontal, and psychosocial health status of the child, adolescent, adult, geriatric and special populations using methods consistent with medicolegal principles.

XI. STUDENT LEARNING OUTCOMES:

A. **Critical Thinking:** Analyze problems by differentiating fact from opinions, using evidence, and using sound reasoning to specify multiple solutions and their consequences.

Assessment: *Students will collect, review and analyze current research articles for a project representing a modifying or perpetuating etiologic factor to periodontitis. Students will be assessed on their ability to research, interpret and apply this information to defined issues.*

C. **Quantitative Reasoning:** Identify, analyze, and solve problems that are quantitative in nature.

Assessment: *Students will demonstrate their understanding of statistical formulas and equations will through successful answering of quiz questions as well as demonstration of the ability to justify the process necessary for obtaining this answer.*

XII. COURSE GOALS:

1. To have the ability to implement evidence-based decision-making skills when designing dental health education programs for both clinical and community settings.
2. To have the ability to critique research articles and to determine if this information should be incorporated into current dental education programs.
3. To write a paper using evidence-based research findings to support a dental health topic.

XIII. COURSE OBJECTIVES:

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

A. Identify the components of a research article and their characteristics.

- B. Describe and contrast the three types of epidemiological research: descriptive, analytical, and experimental.
- C. Describe and differentiate between cross-sectional, longitudinal, retrospective, case history, prospective studies.
- D. Compare and contrast different research instruments.
- E. Describe and contrast different sampling techniques used in research.
- F. Describe and contrast different types of variables used in research design.
- G. Describe and differentiate between different graphing techniques.
- H. Construct a hypothesis.
- I. Design and construct a dental health project using appropriate research design, protocol and components.
- J. Evaluate published research articles.

<p align="center"><u>Course SLO</u></p> <p>One sentence that describes a major piece of knowledge, skill, or ability that students can demonstrate by the end of the course</p> <p><i>Finish the sentence, “At end of the course, the successful student will be able to... “</i></p>	<p align="center"><u>Assessment Method</u></p> <p>Major assignment, project or test used to demonstrate or apply outcome</p> <p><i>Remember to have a mix of qualitative and quantitative assessment methods.</i></p>	<p align="center"><u>Criterion Level</u></p> <p>Reflects satisfactory performance on the SLO</p> <ul style="list-style-type: none"> • <i>At least X percent of students achieve this course SLO.</i> • <i>All students achieve at least the Y level on this SLO.</i> • <i>At least X percent of students achieve the Y level on this course SLO.</i>
<p>1. Collect, review and analyze research articles for a project representing a modifying or perpetuating etiologic factor to periodontitis.</p>	<p>Students will be assessed on their ability to research, interpret and apply this information to defined issues in a paper using a grading rubric.</p>	<p>At least 80% of students will achieve a score of at least 75% on this SLO.</p>
<p>2. Students will demonstrate their understanding of statistical formulas and</p>	<p>Students will be evaluated through successful answering of quiz questions as well as</p>	<p>At least 80% of students will achieve a score of at least 75% on this course SLO.</p>

equations as they apply to interpreting evidence-based research in dental hygiene.	demonstration of the justification process necessary for obtaining this answer.	
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XIV. METHODS OF INSTRUCTION:

Lecture, discussions, class activities, assignments and small group experiences.

XV. METHODS OF EVALUATION:

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|----|---|-----|
| A. | <u>Passing grade of a C or better on the Final Exam</u> | 40% |
| | • The final will be accumulative. | |
| B. | <u>Class Assignments and Lesson Plans</u> | 30% |
| C. | <u>Indices Report</u> | 20% |
| D. | <u>Research for Project/Table Clinic</u> | 10% |

Course letter grade will be based on the following scale:

- 90-100% = A
- 80-89% = B
- 70-79% = C

Lower than 70% is a non-passing grade and constitutes failing in this course. A minimum grade of C is required to pass this course.

Please note: Attendance is required. Students must meet the standards of attendance as outline in the West Los Angeles College Catalog.

- If you will miss class, you must call and leave a message with the allied health secretary prior to class starting to receive consideration for an excused absence. Any messages delivered by a classmate will be considered an unexcused absence.
- Missed class assignments will result in a “0” for that assignment. No exceptions will be made.

General Information:

- Exam and class activity results will be provided as soon as possible. Exams are the property of the instructor.
- Exam and class work items are from the class discussions, reading assignments, lecture material, and handouts.
- Academic dishonesty will not be tolerated and students should refer to the STUDENT BEHAVIOR AND COLLEGE DISCIPLINE INSTRUCTOR

GUIDELINE provided on the class website and campus website.

XVI. GRADING CRITERIA:

A. Evaluation criteria will be handed out in class.

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XVIII. COURSE OUTLINE

SESSION	LECTURE TOPIC	ASSIGNED READINGS
8/28	No Class	
9/4	No Class	
9/11	No Class	
9/18	No Class	
9/25	Introduction to Public Health Legislation and Advocacy	Nathe: Chapter 1 and 2 Nathe: Chapters 6 and 7
10/2	IRB Certification Effective Teaching and Learning in Oral Health	Nathe: Chapter 8
10/9	Lesson Plan Development	Nathe: Chapter 9
10/16	Introduction to ADPIE Assessment Public Health Groups Target Populations	Nathe: Chapter 3, 9, 10 and 11
10/23	Program Planning	Nathe: Chapter 12
10/30	Program Evaluation Dental Indices	Nathe: Chapter 13
11/6	Indices Practice Research in Dental Hygiene	Nathe: Chapter 14
11/13	Oral Epidemiology	Nathe: Chapter 16 and 17
11/20	Biostatistics	Nathe: Chapter 18
11/27	Biostatics Practical Application	Nathe: Chapter 18
12/4	Final Exam Review	
TBA	FINAL EXAM	

DH 253 - Oral Health Indices Report					
Student Name: _____					
CATEGORY	4	3	2	1	Points

					Earned
Statement of Indices	Indices is well introduced	Indices is introduced fairly well	Indices was introduced weakly	Indices is not introduced	
Quality of Explanation	An excellent definition was provided indicating what is being measure and how	A good definition was provided indicating what is being measure and how	A fair definition was provided or lacked what was being measure or how this was achieved	A definition was not provided	
Quality of Article	Article demonstrates high quality	Article demonstrates moderate quality	Article demonstrates fair quality	No article is provided	
Compare or Contrast	An excellent comparison or contrast was established between the article and indices	A good comparison or contrast was established between the article and indices	A fair comparison or contrast was established between the article and indices	No comparison or contrast was provided relating the article and indices	
Mechanics	No grammatical, spelling or punctuation errors. Information was well-organized	Almost no grammatical, spelling or punctuation errors. Information was organized	A few grammatical, spelling, or punctuation errors. Information was fairly organization	Many grammatical, spelling, or punctuation errors. Information lacked organization	
Total					/20