



WEST LOS ANGELES COLLEGE  
Allied Health Division  
DENTAL HYGIENE PROGRAM

- I. DH 206: PERIODONTICS
- II. PREPARED BY: DENTAL HYGIENE FACULTY
- III. REVISED FOR: FALL 2015
- IV. PREREQUISITES: OPEN ONLY TO MATRICULATED DENTAL HYGIENE STUDENTS WHO HAVE COMPLETED ALL DENTAL HYGIENE PROGRAM COURSES WITH A GRADE OF "C" OR BETTER.
- V. UNITS and HOURS: ONE UNIT, 15 WEEKS, MON. 8:00AM – 9:00AM  
OFFICE HOURS: Mon 4:00 – 4:30 PM
- VI. COURSE INSTRUCTOR: Ara Aguiar  
[aguiara@wlaac.edu](mailto:aguiara@wlaac.edu)  
  
GUEST LECTURERS TO CONTRIBUTE
- VII. COURSE DESCRIPTION:

Lectures on the anatomy, physiology, microbiology, occlusion, pharmacology, histology and pathology of the periodontium are correlated with the clinical aspects of periodontal disease and the various therapeutic measures currently in use. Enhance the student's treatment planning skills and accelerate the development of a philosophical approach to treatment. Rationale and procedures for gingival curettage will be discussed.

VIII TEXTS:

Newman, Michael, Takei, Henry and Carranza, Fermin, Carranza's Clinical Periodontology, Eleventh Edition, W.B. Saunders Company, Philadelphia, 2011.

**Institutional SLOs**

- A. **Critical Thinking: Analyze problems by differentiating fact from opinions, using evidence, and using sound reasoning to specify multiple solutions and their consequences.**
- B. **Communication: Effectively communicate thought in a clear, well-organized manner to persuade, inform, and convey ideas in academic, work, family and community settings.**
- H. **Ethics: Practice and demonstrate standards of personal and professional integrity, honesty and fairness; apply ethical principles in submission of all college work.**

**Program SLOs:**

(2) **Professionalism**

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

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

**Program SLO #4:** Utilize current technology to enhance education, patient care, research and professional growth

**II. Patient Care**

**Program SLO #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.

**Program SLO #9:** Integrate the principles of behavioral, dental, dental hygiene sciences to assess, formulate, implement and evaluate a comprehensive dental hygiene treatment plan for the patient to attain and maintain optimal oral health based on accurate, consistent and complete assessment data and modify treatment as necessary.

**Program SLO #10:** Provide and evaluate dental hygiene services, including preventive procedures and pain control, that are based on current scientific evidence for periodontal class I, II, III, IV, V for the child, adolescent, adult, geriatric medically compromised patients from diverse populations.

**Program SLO #12:** Apply problem solving strategies and critical thinking to insure comprehensive oral health care for individuals, groups and communities.

**Course Level SLOs**

1. Analyze problems by differentiating fact from opinions, using evidence, and using sound reasoning to specify multiple solutions and their consequences.
2. Effectively communicate thought in a clear, well-organized manner to persuade, inform, and convey ideas in academic, work, family and community settings.
3. Utilize the appropriate technology effectively for informational, academic, personal, and professional needs.

**IX. COURSE OBJECTIVE:**

At the end of the course the student will be able to:

1. Identify systematic factors that may alter the host response and predispose the patient to periodontal disease.
2. Describe cardiovascular disease, diabetes mellitus, hormone changes, effects of medication and genetics as these relate to periodontal disease.
3. Understand the histologic and clinical wound healing processes in the periodontium as it relates to destruction, repair, and regeneration in both acute and chronic situations and discuss primary and secondary intention of healing.
4. Understand and contrast historic and present reasons for periodontal treatment.
5. Describe the alternatives to periodontal treatment, the consequences of edentulism and different approaches to tooth replacement.

6. Discuss the rationale and methodology of soft tissue curettage and describe the different techniques of curettage related to different periodontal disease situations.
7. Describe the rationale for local versus systematic use of chemotherapeutic agents such as antimicrobials and antibiotics.
8. Evaluate the pros and cons of utilizing chemotherapeutic agents when treating and preventing periodontal disease.
9. Evaluate the literature and current concepts about occlusal trauma and periodontal disease.
10. Understand how orthodontic works and the risks and benefits with regard to periodontal disease.
11. Describe the rationale for surgical intervention and discuss the positive and negative consequences of periodontal disease.
12. Understand and describe the different types of surgical intervention.
13. Evaluate the rationale of surgical techniques relative to systematic and local factors and how these surgeries are performed.
14. Describe the different instruments that are commonly used to perform these surgeries.
15. Discuss the rationale and technique of resective surgery. Describe the anatomy of a bony defect and understand positive and negative architecture as it relates to the alveolar bone.
16. Describe supra- and infra-bony defects and relate them to treatment outcomes.
17. Describe the rationale for soft tissue grafting and how these surgeries are performed.
18. Discuss the rationale for regenerative surgery and the techniques used to enhance regeneration and describe wound healing, types of bony defects and how these relate to surgical success and failure.
19. Describe dental anatomy in the area of a tooth furcation and describe the rationale for treatment and the methods used to treat periodontal disease in this specific area.
20. Identify endodontic-periodontal pathology and discuss the treatment alternatives and discuss the sequence of treatment contingent upon the etiology of this combined pathology.
21. Describe the different types of dental implants and the type that is currently used to treat edentulism today.

22. Describe the technique of implant placement, the wound healing aspects with respect to titanium and how oral hygiene, occlusion, systematic health lends to long term fixture success.
23. Give the rationale for maintenance and monitoring and discuss how success of the tooth, implant and perhaps, general health of the patient might depend on supportive therapy.
24. Describe the rationale for determining the interval of maintenance as this relates to systematic health, personal care, restoration and tooth loss.

**X. METHODS OF INSTRUCTION:**

- Lecture
- Discussion
- Video Presentations
- Review of Articles and Informative Web Based Resources

**XI. METHODS OF EVALUATION:**

Midterm exam	50%
Final exam	50%

**Attendance is required and West Los Angeles College Guidelines will apply.** Refer to College Catalog.

Course letter grade will be based on the following scale:

- 90 – 100% = A
- 80 - 89% = B
- 70 - 79% = C
- 60 - 69% = D

## Class Policies

### Attendance

Because class discussions and group work are an integral part of this course, attendance is mandatory. Up to 3 absences are allowed. After that, you could be dropped. Students are expected to attend every class meeting, to arrive on time and stay throughout the class period. **Excessive absenteeism will lower your grade, as well as walking in and out of class.** 3 tardies = 1 absence. Students may be dropped from class for excessive tardiness, or for failure to attend class the first day or during the entire first week of the class.

### Preparedness

You are expected to arrive on time. You will come to each class session prepared. You will have your books, binder, pens/pencils, any work that is due, and you will be prepared to discuss all readings/assignments.

### Cell Phones, iPods, etc.

Turn them off and put them away when class begins. Talking and texting on cell phones not only distract you, but they are a distraction for me and your peers. Laptops are acceptable to access resources that relate to the class lecture/discussion and lectures provided.

### Contacting Me

E-mail is the best and quickest way to contact me. Thanks to modern technology, my e-mail is linked to my phone. **Contact me immediately.** Students are expected to ask questions and obtain help from instructor via email and/or during office hours.

**For more information refer to the attached link:**

[http://www.wlac.edu/academics/pdf/WLAC\\_12-14Catalog\\_Policies.pdf](http://www.wlac.edu/academics/pdf/WLAC_12-14Catalog_Policies.pdf)

## College Policies:

### Academic Integrity (Plagiarism)

In accordance with code 9803.28, **academic dishonesty is prohibited and will not be tolerated in this class.** Violations of academic integrity include, but are not limited to, the following actions: cheating on an exam, plagiarism, working together on an assignment, paper or project when the instructor has specifically stated students should not do so, submitting the same term paper to more than one instructor, or allowing another individual to assume one's identity for the purpose of enhancing one's grade. Academic dishonesty of any type, such as cheating or knowingly furnishing false information, by a student provides grounds for disciplinary action by the instructor or college. In written work, no material may be copied from another without proper quotation marks, footnotes, or appropriate documentation.

- **Plagiarism will result in a zero for the assignment, possible dismissal from the class and disciplinary action from the college. You will not receive credit for any essay missing previous drafts, citations and/or a Works Cited page.**

### Student Conduct

According to code 9803.15, disruption of classes or college activities is prohibited and will not be tolerated. Refer to the catalog and the Standards of Student Conduct in the Schedule of Classes for more information.

### Recording Devices

State law in California prohibits the use of any electronic listening or recording device in a classroom without prior consent of the instructor and college administration. Any student who needs to use

electronic aids must secure the consent of the instructor. If the instructor agrees to the request, a notice of consent must be forwarded to the Vice President of Academic Affairs for approval (WLAC College Catalog).

**For more information refer to the attached link:**

[http://www.wlac.edu/academics/pdf/WLAC\\_12-14Catalog\\_Policies.pdf](http://www.wlac.edu/academics/pdf/WLAC_12-14Catalog_Policies.pdf)

## Campus Resources

### **Office of Disabled Student Programs and Services (DSP&S)**

Located in the General Classroom Building (310) 287-4450.

West Los Angeles College recognizes and welcomes its responsibility to provide an equal educational opportunity to all disabled individuals. The Office of Disabled Students Programs and Services (DSP&S) has been established to provide support services for all verified disabled students pursuing a college education. DSP&S students may qualify for: priority registration, registration assistance, special parking permits, sign language interpreters and assistive technology (WLAC College Catalog).

### **Instructional Support (Tutoring) & Learning Skills Center**

Heldman Learning Resources Center (HLRC) | (310) 287-4486

Improve your reading, language, vocabulary, spelling, math fundamentals and chemistry knowledge with convenient, self-paced computer-aided courses in the Learning Skills Center. Increase your knowledge and learning success: sign up for tutoring in various college subjects (WLAC College Catalog).

### **Library Services**

Heldman Learning Resources Center (HLRC) | (310) 287-4269 & (310) 287-4486

The WLAC Library provides instruction on how to use the online catalog, periodical and research databases. In addition to a large collection of books, periodicals and videos the WLAC Library has course textbooks which students may use while in the Library. Web access is available in LIRL as well as meeting rooms. The upper floors provide a beautiful view ideal for study (WLAC College Catalog).

**For more information refer to attached link:**

[http://www.wlac.edu/academics/pdf/WLAC\\_12-14Catalog\\_Policies.pdf](http://www.wlac.edu/academics/pdf/WLAC_12-14Catalog_Policies.pdf)

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DEPARTMENT OF DENTAL HYGIENE

**XII. COURSE OUTLINE**

DH 206 PERIODONTICS

LECTURE SCHEDULE – FALL 2015 (**SCHEDULE SUBJECT TO CHANGES-Will be announced in classroom or via email if necessary**)

<b>SESSION</b>	<b>LECTURE TOPIC</b>	<b>LECTURER</b>
Session 1	Introduction/ Purpose Review of Fundamentals: Anatomy	Aguiar
Session 2 & 3	Rationale for Periodontal Treatment	Aguiar
Session 4	Progression of Periodontal Disease Systematic Factors	Aguiar
Session 5	Local Adjunctive Administration (L.A.A.)	Aguiar
Session 6	Systematic Use of Antibiotics to Treat Periodontal	Aguiar
Session 7	Wound Healing/ Repair Scaling, Root Planing & Soft Tissue Curettage	Aguiar
Session 8	<b>MIDTERM EVALUATION</b>	Aguiar
Session 9	Occlusion and Periodontitis Rationale for Periodontal Treatment	
Session 10	Furcations Invasions and Endodontic Considerations	Aguiar
Session 11	Gingivectomy/Gingivoplasty Osseous Resective Surgery	Aguiar
Session 12 & 13	Bone Grafting Guided Tissue Regeneration Mucogingival Surgery & Grafts (2 hours = 2 sessions)	Dr. Pirih
Session 14	Dental Implant Considerations & Management Periodontal therapy & Technology	Aguiar
Session 15	Supportive Periodontal Therapy Patient management	Aguiar
Session 16	<b>FINAL EXAM</b>	Aguiar