WEST LOS ANGELES COLLEGE
DEPARTMENT OF DENTAL HYGIENE

I. DH 206: PERIODONTICS

II. PREPARED BY: DENTAL HYGIENE FACULTY

III. REVISED FOR: FALL 2013

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, WED. 8:00AM – 8:50AM
OFFICE HOURS: Monday. 9:00 – 9:30 AM

VI. COURSE INSTRUCTOR: Ara Aguiar
aguiara@wlac.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:


Institutional SLOs:
Critical Thinking
Ethics
Communication

Program SLOs:

I. 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 ad 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.

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<tr>
<th>Course SLOs</th>
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<td>1. analyze problems by differentiating fact from opinions, using evidence, and using sound reasoning to specify multiple solutions and their consequences.</td>
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<tr>
<td>2. effectively communicate thought in a clear, well-organized manner to persuade, inform, and convey ideas in academic, work, family and community settings.</td>
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<td>3. utilize the appropriate technology effectively for informational, academic, personal, and professional needs.</td>
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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, affects 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.

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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
ACADEMIC DISHONESTY

Dishonest conduct in the classroom and/or clinic is unacceptable. Some examples of dishonest conduct include cheating or plagiarism, forgery or alteration of documents or records, and falsification of records or misrepresentation of facts. Students found conducting themselves dishonestly will be disciplined. Students' complicity or tolerating the other's dishonest behavior will be considered accessories. Due process according to the college policies will be adhered to by the program faculty.

Rules and Absences:

A student who has been unexcused absent more than 2 days will be reported to the dean of student service for dismissal from the class. Tardiness will be also recorded for each clinic session. When accumulated tardiness becomes more than 1.5 hours, the student will be reported to the dean of student service for dismissal from the class.

General Rule:

TELEPHONES HAVE TO BE SILENT OR TURNED OFF WHILE IN CLASSROOM
You may use your laptop or notebook to take notes during lecture ONLY.
Use of computer or smart phone during lecture is not allowed (NO CHECKING E-MAIL, NO TEXTING, NO WEB ACCESSING, NO PLAYING mp3 OR VIDEO FILES, etc).
## XII. COURSE OUTLINE
**DH 206 PERIODONTICS**  
**LECTURE SCHEDULE - FALL 2013 (SCHEDULE SUBJECT TO CHANGES)**

<table>
<thead>
<tr>
<th>SESSION</th>
<th>DATE</th>
<th>LECTURE TOPIC</th>
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| Session 1 | 8/28/13   | Introduction/ Purpose  
Review of Fundamentals: Anatomy  
Rationale for Periodontal Treatment | Aguiar   |
| Session 2 & 3 | 9/4/2013   | Progression of Periodontal Disease  
Systematic Factors | Aguiar   |
| Session 4 | 9/18/2013 | Wound Healing/ Repair  
Scaling, Root Planing & Soft Tissue Curettage | Aguiar   |
| Session 5 | 9/25/2013 | Local Adjunctive Administration (L.A.A.)  
Systematic Use of Antibiotics to  
Treat Periodontal: Periostat | Aguiar   |
| Session 6 | 10/2/2013 | MIDTERM EVALUATION               | Aguiar   |
| Session 7 | 10/9/2013 | Occlusion and Periodontitis  
Rationale for Periodontal Treatment | Aguiar   |
| Session 8 | 10/16/2013| Furcations Invasions and Endodontic Considerations | Aguiar   |
| Session 9 | 11/6/2013 | Bone Grafting  
Guided Tissue Regeneration | Aguiar   |
| Session 10 | 11/13/2013| Mucogingival Surgery & Grafts  
(2 hours = 2 sessions) | Dr Flavia Pirih |
| Session 11 | 11/20/2013| Gingivectomy/Gingivoplasty  
Osseous Resective Surgery | Aguiar   |
| Session 12 & 13 | 11/27/2013 | Dental Implant Considerations & Management  
Periodontal therapy & Technology | Aguiar   |
| Session 14 & 15 | 12/4/2012 | Supportive Periodontal Therapy  
Patient management | Aguiar   |
| Session 16 | 12/11/2011| FINAL EXAM                     | Aguiar   |