

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@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, Tenth Edition, W.B. Saunders Company, Philadelphia, 2009.

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 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 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, 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.

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).

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XII. COURSE OUTLINE

DH 206 PERIODONTICS

LECTURE SCHEDULE - FALL 2013 (SCHEDULE SUBJECT TO CHANGES)

SESSION	DATE	LECTURE TOPIC	LECTURER
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	
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