

**WEST LOS ANGELES COLLEGE
DEPARTMENT OF DENTAL HYGIENE**

- I. DH 109 (Section 7032) INFECTION CONTROL IN DENTISTRY
- II. PREPARED BY: DENTAL HYGIENE FACULTY
- III. REVISED FOR: FALL 2013
- IV. PREREQUISITES: Enrolled Dental Hygiene Students Only
- V. UNITS AND HOURS: ONE UNIT, TWO HOURS PER WEEK FOR 8 WEEKS
(18 hours lecture course)
Thursday 10:30 a.m. – 12:35 p.m.
(Some weeks are extended hours to conduct lab activity)
- VI. COURSE INSTRUCTOR: Lisa Kamibayashi R.D.H., M.S.D.H.
- VII. OFFICE PHONE NUMBER: 310/287-4457, e-mail: mrskamiba@gmail.com
- VIII. OFFICE HOURS: Monday 10:00 – 12:00 p.m.
- IX. COURSE DESCRIPTION:

This course is designed to provide the Dental Health Care Worker with the principles and practical application concepts of infection control in dentistry. Occupational Safety and Health Administration (OSHA), Environmental Protection Agency (EPA), Center for Disease Control (CDC) governmental agency standards will be presented and discussed. Procedures learned will be applied in the dental clinical courses DH 101, DH 103, DH 151, DH 201, and DH 251.

X. REQUIRED TEXT:

Darby, Michele and Walsh, Margaret, Dental Hygiene Theory and Practice 3rd edition, Saunders, St. Louis, Missouri, 2010 ISBN #978-1-4160-5357-6

West Los Angeles College, Department of Dental Hygiene, Infection Control Policy Revised 2013

Student Learning Outcomes (SLOs) Addressed

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

Assessment: Work as a group to present regulations and standard of infection control.

B. Communication: Effectively communicate thought in a clear, well-organized manner to persuade, inform, and convey ideas in academic, work, family and community settings.

Assessment: Present research findings in class presentation.

F. Technical Competence: Utilize the appropriate technology effectively for informational, academic, personal, and professional needs.

Assessment: Evaluation on infection control procedure and the use of a sterilizer.

H. Ethics: Practice and demonstrate standards of personal and professional integrity, honesty and fairness; apply ethical principles in submission of all college work.

Assessment: Evaluation on the problem solving skills on case scenarios and case studies

Course SLO	Criterion Level
1. Write a short research paper on current topics of infection control.	At least 80% of students will achieve a score of 75% or greater on the grading rubric.
2. Apply problem-solving skills on case scenarios and case studies.	At least 80% of students will achieve a passing level on this course SLO.
3. Follow infection control procedure and demonstrate the use of a sterilizer.	At least 80% of students will correctly answer 75% of the questions on the exam.

PROGRAM COMPETENCIES ADDRESSED

Program competency 1: Adhere to the American Dental Hygienist’s Associations’ code of ethical conduct and apply this code to established state and federal laws, recommendations, regulations in the provision of dental hygiene care.

Program competency 2: Perform self-assessment for lifelong learning to provide evidenced based dental hygiene care.

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

Program competency 4: Utilize current technology to enhance education, patient care, research and professional growth.

Program competency 10.3: Follow infection and hazard control procedures

XII. COURSE OBJECTIVES:

A. At the completion of this course, the student will be able to perform the following skills with guidance and assistance from the instructor:

1. Explain the transmission of common infectious diseases.
2. Comply and implement standard infection control techniques in all clinical and laboratory activities.
3. Prepare the dental unit with protective coverings and follow-up with disposal and the breakdown of the unit.
4. Prepare dental instruments correctly for sterilization.
5. Critique and evaluate infection control case-based scenarios.
6. Distinguish sterilization and disinfection.
7. Dispose dental waste materials properly.
8. Apply regulation and recommendation of organizations to regular clinical settings.

XIII. METHODS OF INSTRUCTION:

Case Scenarios, demonstrations, discussions, instructional videotapes, lectures and role-playing exercises.

METHODS OF EVALUATION:

Group Project30 %

The class will be divided into six different groups. Each group will be assigned to a research topic from the list below. Each group should conduct research regarding their agency. Each group must create a 10-15 minutes presentation to the class. Make sure to create a list of references that your group used. Use effective visual aids as necessary such as PowerPoint, Video, Brochures, or Poster Boards. The group project will be graded based on quality of presentation, organization, communication and member’s participation. A group must submit a list of references used. All references must be within 3 years. **Due: October 10, 2013**

- Summary of six agencies related to infection control (ADA, CDC, OSHA, FDA, EPA, OSAP).
 - What their role in infection control in dentistry?
- Current status of HIV infection
 - How likely to be exposed HIV and seroconverted? Is there risk?
- Current status of Tuberculosis
 - How likely to be exposed to Tuberculosis? Is there risk?
- How far microorganisms spread? What is most contaminated area or surface in office?
 - What are the recommendations to prevent them? What current research recommends?
- Current status of Hepatitis
 - How likely to be exposed to Hepatitis? Which one is the most risk? A, B, C, D or E?
- Surface Disinfectants
 - What types of disinfectants are available? Which one is the best one in market based on the current research.

Midterm Progress Quiz.....30 %

Multiple Choice Final Examination.....40 %

Student must receive a passing grade of C or better on all quiz and the examination to pass this course.

Course letter grade will be based on the following scale:

- 90-100 % = A
- 80 to 89 % = B
- 70 to 79 % = C
- Below 69 % = F

Below 70 % is a non-passing grade and constitutes failing in this course. A minimum grade of C is required to be retained in the Dental Hygiene Program.

Please note: Attendance is required.

The final score will be lowered by 10 % for each unexcused absence.

Students must meet the standards of attendance as outlined in the West Los Angeles College Catalog.

General Information:

- Exams are the property of the instructor.
- Please make use of the instructor's office hours.
- Your instructor is available for discussion of all course material during office hours and/or by appointment.
- Please turn off your cell phone during class and use it outside the classroom.
- Any disruptive behavior may result in the exclusion from the class. (Please refer to "Standards of Student Conduct" Fall 2013 Schedule.)
- Plagiarism is an act of cheating. Please use reference for any words, sentences, phrases, paragraphs and ideas that you borrowed from other source.
- Special Instructional Accommodation: If there are special accommodations that you require to be successful in this course, please discuss your situation with the professor. To receive accommodations for a special need or disability, students must register with the Office of Disabled Student Program and Services, HLRC. Tape recording of lectures and discussions will not be permitted without the consent of the instructor.

XV. COURSE CONTENT OUTLINE: DH 109: LECTURE SCHEDULE - FALL 2013

Note: The schedule is tentative. It is subject to change depending upon the class progress.

Weeks	Date	Lecture Topic	Reading Assignment
1	8/29/13 Thur 10:30 to 1:30 (3 hours)	Introduction to DH 109 Microbiology Rationale of Infection Control Personal Protection Equipment Barrier Techniques Hand washing (Laboratory Demo) Standard Precaution Patient Assessment Infectious Diseases Bloodborne Pathogens Respiratory diseases Tuberculosis prevention Immunization Group Project Assignment	Darby: Chapter 7 WLAC Infection Control Policy 2013
2	9/5/13 Thurs Cancel	----	----
3	9/12/13 10:30 to 1:30 (3 hours)	Proper surface disinfection Sterilization and Disinfections Chemical Disinfectants Surface disinfectant Methods of instrument sterilization Monitoring sterilization system Aseptic Techniques Operatory Preparation Dental Unit Water Asepsis Practice setting up clinic cubicles	WLAC Infection Control Policy 2013 Wear Scrubs
4	9/19/13 10:30 – 12:35 2 hours	Autoclave demonstration Waste Management Exposure Report Office Safety Regulations and Recommendations Implementation of an infection control program Infection Control in Dental Laboratory and Radiology Hazardous Communication	
5	9/26/13 10:30 to 12:35	Midterm Progress Quiz Emerging concerns Greener infection control	
6	10/3/13 10:30 – 12:35	Discussion of Case Scenarios and Case Studies	
7	10/10/13 10:30 to 12:35	Group Project Presentation	
8	10/17/13 10:30 – 12:35	Final Comprehensive Examination	