

- I. DH 109 (Section 7032) INFECTION CONTROL IN DENTISTRY
- II. PREPARED BY: DENTAL HYGIENE FACULTY
- III. REVISED FOR: FALL 2015
- IV. PREREQUISITES: Enrolled Dental Hygiene Students Only
- V. UNITS AND HOURS: ONE UNIT, TWO HOURS PER WEEK FOR 8 WEEKS
(18 hours lecture course)
Tuesday 1:30 to 3:35 p.m.
- VI. COURSE INSTRUCTOR: Lisa Kamibayashi R.D.H., M.S.D.H.
- VII. OFFICE PHONE NUMBER: 310/287-4457, e-mail: mrskamiba@gmail.com
424-571-2647 Google Voice #
- VIII. OFFICE HOURS: Monday 11:00 - 12:00 & 1:00 – 2:00 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 4rd edition, Saunders, St. Louis, Missouri, 2015 ISBN #978-1-4557-4548-7

West Los Angeles College, Department of Dental Hygiene, Infection Control Policy Revised 2015

Institutional Learning Outcomes (ILOs) 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

DENTAL HYGIENE PROGRAM SLO ADDRESSED

PLO I. Professionalism

The dental hygiene students must appreciate their role as health professionals at the local, state, and national levels. Students will demonstrate the necessary knowledge and values in legal regulations and ethical issues for the practice of dental hygiene.

PLO II. Health Promotion and Disease Prevention

The dental hygiene students will demonstrate competency in the performance and delivery of oral health promotion and disease prevention service in public health, private practice and alternative settings. The dental hygiene students will be able to apply principles in assessment, diagnosis, planning, implementation and evaluation of treatment. The graduate must also be prepared to influence others to facilitate access to care and services.

Course SLO (AS degree version, need change for 2016)	Criterion Level
1. Present research findings 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 of 75% on midterm case study quiz
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.

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:

Dentalcare. Com Assignment Completion ----- 15 % (5 % each assignment)

Assignment #37074 at Dentalcare.com
Course Title: Guidelines for Infection Control in Dental Health Care Setting.
Submit your assignment completion online. Due: September 8, 2015

Assignment #37073 at Dentalcare.Com
Course Title: Personal Protective Equipment
Submit your assignment completion online. Due: September 8, 2015

Assignment #37072 at Dentalcare.com
 Course Title: Sterilization and Disinfection of Patient-care Items in Oral Healthcare Settings.
Due: September 15, 2015

Group Project30 %

The class will be divided into six different teams. Each team will be assigned to a research topic from the list below. Each team must create a 10-15 minutes classroom presentation using PowerPoint, Prezi, or any similar presentation software. Make sure to create a list of references that your group used at the end of your presentation. The group project will be graded based on quality of presentation, organization, communication and team member's participation. Present the group's thoughts about the topic related to dentistry. See attached for the rubric used for the grading. All references must be within 3 years. **Due: October 13, 2015**

List of Research Topics:

List of Research Topics	Assigned students
Current status of Hepatitis C	
Current status of Clostridium difficile disease	
Managing measles in dental office.	
Current status of HIV. Use 2015 guideline.	
Current status of Middle East Respiratory Syndrome Coronavirus (MERS-CoV)	
Current status of Ebola	

Case Scenario Quiz.....20 %

Multiple Choice Final Examination.....35 %

Student must receive a passing grade of C or better on all quizzes 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 2015 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.
- Just as reference: Dentalcare.com offers multiple CE course online. Check it out for further study. Administrative Controls and Work Restrictions (CE473) • Clinical Practice Guidelines for an Infection Control/Exposure Control Program in the Oral Healthcare Setting (CE342) • Environmental Infection Control in Oral Healthcare Settings (CE363) • Guidelines for Infection Control in Dental Health-Care Settings (CE90) • Hand Hygiene: Infection Control/Exposure Control Issues for Oral Healthcare Workers (CE353) • Hazard Communications & Hazardous Waste Regulations for Dental Offices (CE55) • Hepatitis: What Every Dental Healthcare Worker Needs to Know (CE307) • HIV: Infection Control/Exposure Control Issues for Oral Healthcare Workers (CE97) • HSV and VZV: Infection Control/Exposure Control Issues for Oral Healthcare Workers (CE323)* • Influenza Facts and the Healthcare Worker (CE446) • Introduction to Preventing Transmission of Infectious Agents in Healthcare Settings (CE453) • Mandated, Highly Recommended, and Other Vaccines for Oral Healthcare Personnel Workers (CE479) • Maskcessorize: The Art of Choosing the Proper Face Mask for the Task (CE405) • Measles, Mumps and Rubella: Infection Control/Exposure Control Issues for Oral Healthcare Workers (CE322)* • Mercury in Dentistry: The Facts (CE88) • Mycobacterium Tuberculosis: Infection Control/Exposure Control Issues for Oral Healthcare Workers (CE316) • New Elements of Standard Precautions and Essential Elements of Transmissionbased Precautions (CE454) • Sterilization and Disinfection of Patient-care Items in Oral Healthcare Settings (CE474)

XV. COURSE CONTENT OUTLINE: DH 109: LECTURE SCHEDULE - FALL 2015

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

Weeks	Date	Lecture Topic	Reading Assignment
1	9/1/15	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 Group Project Assignment	Darby: Chapter 9 WLAC Infection Control Policy 2015 Dentalcare.com Assignment Course Title: Guidelines for Infection Control in Dental Health Care Setting. (Assignment #37074) Due: 9/8/15 Dentalcare.com Assignment: Personal Protective Equipment (Assignment #37073) Due: 9/8/15
2	9/8/15 (4 hours make up from 9/22 day)	Immunization Proper surface disinfection Sterilization and Disinfections Chemical Disinfectants Surface disinfectant Methods of instrument sterilization Monitoring sterilization system Aseptic Techniques Operatory Preparation Autoclave demonstration Dental Unit Water Asepsis Exposure Report Waste Management Lab exercises and practice	Dentalcare.com Assignment: Sterilization and Disinfection of Patient-care Items in Oral Healthcare Settings (Assignment #37072) Due: 9/15/15 WLAC Infection Control Policy 2015
3	9/15/15	Office Safety	Extra Credit (2 % extra credit

		Regulations and Recommendations Implementation of an infection control program Infection Control in Dental Laboratory and Radiology Hazardous Communication	towards final Grade is assignment turned in before October 20, 2015) Dentalcare.com Assignment #37075 Course Title: Clinical practice Guideline for Infection Control Exposure Control Program in the Oral Healthcare Setting.
4	9/22/15 (Loupes Day)	Loupes Day	
5	9/29/15	Midterm Case Scenario Quiz Discussion of Case Scenarios and Case Studies	
6	10/6/15	Emerging concerns Greener infection control	
7	10/13/15	Group Project Presentation	
8	10/20/15	Final Comprehensive Examination	

DH 109: Infection Control Group Presentation Grade Form

Students' Name:

Topic:

Total Points:

Criteria	Excellent	Good	Needs Improvement	Omit
Organization (20)	20	16	12	0
	Consistently clear, concise, well organized. Points were easy to follow because of the organization. Transitions between section smooth and coordinated.	Usually clear, concise, well organized. Most of the presentation was easy to follow. Transitions between sections usually coordinated.	Not always clear or concise. Organization was adequate, but weak. Occasionally wandered and was sometimes difficult to follow. Transitions between sections weak.	Often unclear and disorganized, rambled too much. The presentation was confusing and difficult to follow. Transitions between sections awkward.
Topic Knowledge(30)	30	24	21	0
	Displayed an excellent grasp of the material. Demonstrated excellent mastery of content, application and implications. Excellent research depth.	Displayed a general grasp of the material. Demonstrated good mastery of content, application and implications. Good research depth.	Displayed some grasp of the material. Demonstrated adequate mastery of content, application and implications. Research not very deep.	Displayed a poor grasp of material. Demonstrated a superficial handling of content, application and implications. Little depth of research.
Presentation /Stage Presence(10)	10	8	6	0
	Excellent stage presence. Confident, used notes well, at ease, excellent gestures, good audience attention, good eye contact.	Good stage presence. Fairly confident, used notes fairly well, good gestures, acceptable audience attention and eye contact.	Adequate stage presence. Read parts, fumble with notes, several distracting mannerisms, minimal gestures, minimal eye contact, too many um-s.	Poor stage presence. Un prepared, awkward, shuffled papers, poor eye contact, lot of um=s, turned from audience to read overheads shuffled feet, fidgeted. Poor gestures.
Visual Aids (35)	35	32	28	0
	Excellent use of presentation technology or equipment. Colorful and professional. Used many visual impact	Good use of presentation technology or equipment. Colorful and professional	Not utilizing the technology or equipment that is available. Visual aids were not effective with the presentation.	Poor use or not using any technology or equipment that is available. Not professional. Not appealing to audience.
Appropriate length (5)	5		0	
	The presentation was between 10 to 15 minutes.		.The presentation was less than 10 minutes. OR The presentation was more than 15 minutes.	
Peer Evaluation	The average the peer grading score is ranged between above 2.5. (0)	Average of the peer grading score is ranged 2.0 to 2.5. (-1 points)	Average of the peer grading score is ranged between 1.5 to 1.9 (-2 points)	Average of the peer grading score is ranged below 1.4 (-3 points)

Comments:

DH 109

Self and Group Participation Evaluations

Your Name: _____

Group Topic: _____

Directions: According to the criteria listed, rate your performance, and the performance of each group member in the completion of the table clinic project.

Use the following rating scale: 0 = Poor 1 = Weak 2 = Average 3 = Superior

Criteria	Your Name (Self Evaluation)	Name of Teammate #1	Name of Teammate #2	Name of Teammate #3	Name of Teammate #4
Names:					
Contributed ideas and information to the group project					
Worked well with other group members					
Completed assigned tasks on time					
Completed work is well-developed					
Total Points					

Comments: _____
