COURSE INFORMATION FORM

DISCIPLINE
Allied Health / DENA

COURSE TITLE
Oral Microbiology and Infection Control

CR.HR. 1.5  LECT HR. 1  LAB HR. 1  CLIN/INTERN HR.  CLOCK HR.  

CATALOG DESCRIPTION
This course provides an overview of microbiological aspects with emphasis on practical infection and hazard control, sterilization and monitoring, chemical disinfectants, aseptic techniques, infectious disease, HIPPA and OSHA Standards

PREREQUISITES:
DENA 101, DENA 102, DENA 103, DENA 104, DENA 105, EMS 100

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:
1. Describe relationships between microorganisms, disease transmission, and the body’s response.
2. Demonstrate universal precautions for infection control and prepare and sterilize instruments.
3. Use OSHA regulations in regard to sharps and infectious materials.
4. Identify information on Materials Data Safety Sheet
5. Demonstrate appropriate labeling for a secondary container.
6. State the protocol and key points of OSHA’s blood borne pathogen standard and hazard communication standard as they apply to the dental office.

GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes  ESO
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Carry out the role and function of a Dental Assistant.
   Administer assessments appropriately and professionally.
2. Exhibit professional code of ethics and values of the profession.
   Demonstrate professional responsibilities of a dental assistant in the field.
4. Understand importance of lifelong learning to promote personal and professional growth
   Understand the importance of improving academic and clinical skills to enhance occupational performance.
   Articulate the importance of research and the use of professional literature in practice.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written Examinations, 1-6
2. Assignments, 1-6
3. Journal Article Review, 1-6
4. Quizzes, 1-6
5. Student Performance Evaluations/Competencies, 1-6
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Isolation Procedures
   A. Types
   B. People in Microbiology
   C. Microorganisms
   D. Disease Transmission
   E. Body Resistance

II. Preparation of the Dental Operatory
   A. Background
   B. OSHA, CDC, MSDS, Universal Precaution (Standard Precaution)
      1. Chemical inventory
      2. Materials data safety sheet
      3. Labeling of chemical containers
      4. Employee training
   C. Disinfection
   D. Classification of Instruments, Equipment and Surfaces as they Relate to Disinfection and Sterilization
   E. Classification of Chemical Sterilant and Disinfectants
   F. Selecting Disinfectants
   G. Treatment Room Care
   H. Guidelines for Treatment Room Care
   I. Spray-Wipe-Spray Tech
   J. Using Barrier for Infection Control