

LABETTE COMMUNITY COLLEGE BRIEF SYLLABUS

SPECIAL NOTE:

This brief syllabus is not intended to be a legal contract. A full syllabus will be distributed to students at the first class session.

TEXT AND SUPPLEMENTARY MATERIALS USED IN THE COURSE (if any):

Please check with the LCC bookstore <http://www.labette.edu/bookstore> for the required texts for this class.

<u>COURSE NUMBER:</u>	DNAS 110
<u>COURSE TITLE:</u>	INFECTION CONTROL FOR DENTAL PRACTICES
<u>SEMESTER CREDIT HOURS:</u>	2
<u>DEPARTMENT:</u>	Dental Assistant
<u>DIVISION:</u>	Health Science
<u>PREREQUISITES:</u>	Acceptance into Dental Assistant Program
<u>REVISION DATE:</u>	February 2016

COURSE DESCRIPTION:

This course will cover: microbiology, disease transmission and infection control, waste management practices, and the importance of principles and techniques of disinfection and sterilization in the dental practice.

COURSE OUTCOMES AND COMPETENCIES:

Students who successfully complete this course will be able to:

1. Identify pathogens and other disease agents common in a dental practice to prevent disease spread to patients and team members of the dental practice.
- Discuss infectious disease and the pathogens associated with the oral cavity.
 - State the types of hepatitis virus and methods of transmission for each.
 - Discuss the risk factors for the dental team and patients in contraction of specific diseases.
 - Discuss the rationale for hepatitis B vaccination for dental assistants.
 - Explain the precautions necessary when a patient with active tuberculosis is treated.
 - Describe the difference between a chronic infection and an acute infection.

2. Demonstrate proper infection control procedures to respond to the needs of the dental practice and protection of patients.

- Discuss pathways for cross contamination.
- Identify regulatory agencies involved in enforcement of infection control.
- State the goal of infection control.
- Discuss OSHA Blood-borne Pathogens Standard.
- Identify OPIMS (other potentially infectious materials) and the proper disposal of these materials
- Demonstrate the utilization of universal precautions.

3. Perform universal precautions to meet the demand of the dental practice in prevention of disease spread.

- Identify PPE (personal protective equipment) for dental team members.
- Demonstrate the process of donning and removing PPE.
- Demonstrate proper placement and use of protective barriers.
- Discuss limitations of PPE and protective barriers.
- Identify the various types of gloves used in a dental practice.
- Demonstrate appropriate hand washing method.

4. Perform proper instrument processing to prevent disease spread in a dental practice.

- Differentiate between sterilization and disinfection.
- Define universal precautions.
- Identify various types of sterilization equipment (sterilizers, ultrasonic cleaners, etc.).
- Identify causes of sterilization failure.
- Demonstrate proper sterilization monitoring and discuss the benefits and importance of this procedure.
- Describe the CDC guidelines for sterilization and disinfection of patient care items.
- Describe the CDC guidelines for cleaning and decontaminating instruments.
- Describe the CDC guidelines for preparing and packaging instruments for sterilization.

5. Demonstrate surface and equipment asepsis to meet the needs of the dental practice in the prevention of disease spread.

- Identify equipment that should be covered with protective barriers.
- Demonstrate disinfection of surfaces with an approved disinfection solution.
- Identify the different types of disinfection solutions available for use in a dental practice.
- Discuss the advantages and disadvantages of surface covers vs. disinfection procedures.
- Explain the difference between a disinfectant and an antiseptic.

6. Demonstrate and discuss aseptic techniques to prevent disease spread in a dental practice.

- State the benefits of aseptic techniques.
- Demonstrate the placement and use of rubber dam as an aseptic technique.
- Demonstrate use of the HVE.
- Discuss the use of disposables as an aseptic technique.
- Name types of items that are single use only.

- Explain the CDC recommendations regarding the use of a saliva ejector.

7. Perform waste management to meet the demands of the dental practice.

- Identify the types of waste generated in a dental practice.
- Demonstrate proper disposal of waste products.
- Define pathological waste and give examples.

8. Perform laboratory and radiographic asepsis as required to meet the standards of the dental practice.

- Identify routes of disease transmission in the laboratory setting.
- Identify recommended disinfection solutions for use in the laboratory.
- Demonstrate proper disinfection of dental impressions and equipment in the laboratory.
- Demonstrate proper infection control procedures relative to film exposures and processing.

9. Identify and discuss office safety programs to respond to federal, state and local agencies.

- Discuss who is responsible for the safety of the practice.
- Identify office safety management duties of the safety coordinator.
- Discuss the importance of communication between team members and the patients.
- Identify safety equipment and supplies required to maintain office safety.
- Define the Hazard Communication Standard and identify the purpose it has.
- Define OSHA and the role OSHA has in dental practice.
- Describe the components of an OSHA exposure control plan.
- Identify the OSHA categories of risk for occupational exposure.
- Describe the first aid necessary after an exposure incident.
- Demonstrate application of first aid after an exposure incident.