

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.

COURSE NUMBER: DNAS 114

COURSE TITLE: CHAIRSIDE ASSISTING I

SEMESTER CREDIT HOURS: 4

DEPARTMENT: Dental Assistant

DIVISION: Health Science

PREREQUISITES: Acceptance into Dental Assistant Program

REVISION DATE: February 2016

COURSE DESCRIPTION:

This course will cover: the principles of working as a dental team member, the operation and maintenance of dental equipment, positioning of the dental team and patient, identification of instruments, instrument transfer, protection of the oral cavity during dental procedures, and the application of expanded functions in Kansas.

COURSE OUTCOMES AND COMPETENCIES:

Students who successfully complete this course will be able to:

1. Identify and describe six basic areas of the dental practice and dental equipment in treatment areas.
 - Describe the six areas of the dental environment in a professional office.
 - Describe the goals involved in designing the dental treatment room.
 - Identify and discuss clinical equipment most commonly found in the dental treatment area.
 - Discuss the basic function of the dental unit.
 - Summarize three types of delivery systems on dental units.
 - Demonstrate proper morning and evening routines for dental assistants.
2. Discuss the role of ergonomics in the dental profession especially as it applies to the dental assistant.

- Describe the goal of ergonomics.
- Identify common symptoms of musculoskeletal disorders.
- Describe the symptoms of carpal tunnel syndrome
- Demonstrate and describe optimal dental assistant positioning.
- Demonstrate exercises that can reduce muscle fatigue and strengthen muscles.
- Demonstrate exercises to reduce neck strain.
- Describe exercises to reduce eyestrain.
- Identify three categories of risk factors that contribute to increased risk for injury.

3. Demonstrate and describe appropriate basic chairside skills during patient clinical care.

- Prepare a dental treatment room for a patient arrival.
- Demonstrate and discuss the importance of preparing a dental treatment operator for a procedure.
- Describe and demonstrate how the operator is positioned during treatment.
- Describe and demonstrate how the assistant is positioned during treatment.
- Specify and demonstrate three grasps used by the operator.
- Identify five areas in which the assistant must have competency when practicing expanded functions.
- Demonstrate admitting and seating of the patient.
- Demonstrate proper use of a dental mirror intraorally.
- Demonstrate the intraoral use of dental instruments.
- Discuss the importance of establishing a fulcrum when using dental instruments intraorally.
- Demonstrate the correct grasp and use of hand instruments.
- Transfer instruments using the single- handed and two-handed technique.
- Discuss the advantages of being an expanded functions dental assistant (EFDA).

4. Distinguish between and describe dental hand instruments used during operative procedures in the dental practice.

- Describe the three parts of a dental hand instrument.
- Describe G. V. Black's instrument formula.
- List examination instruments and their purposes.
- Identify types of hand (cutting) instruments and their uses.
- Identify types of restorative instruments and their uses.
- Describe additional accessory instruments and items used in general dentistry.
- Discuss the theory of placing an instrument in a specific sequence.
- Describe a color coding systems as it pertains to the organization of instruments and supplies for specific procedures.
- Describe the use of preset trays and tubs in dentistry.

5. Identify and discuss the use of rotary instruments required for specific procedures.

- Differentiate between the various types of handpieces.
- Describe the low-speed handpiece and its uses in dentistry
- Describe and demonstrate placement of a low-speed handpiece and the attachments used

with a low-speed handpiece.

- Describe and demonstrate the high-speed handpiece and its uses in dentistry.
- Review other handpieces used in dentistry.
- Describe rotary instruments and explain how they are used.
- Identify various shapes, sizes, types and functions of common rotary devices and demonstrate attachment.
- List the parts of a bur.
- Explain the use of a water coolant system in conjunction with dental handpieces.
- Describe and demonstrate the maintenance of handpieces.

6. Summarize and demonstrate various moisture control techniques and use of moisture control materials.

- List isolation techniques used to decrease moisture during a dental procedure.
- Demonstrate placement of various isolation materials.
- Describe the two types of oral evaluation systems used in dentistry.
- Demonstrate the grasp and positioning of the high volume evacuator tip during a procedure.
- Discuss and demonstrate the use of the air water syringe.
- Perform limited area and full mouth rinses.
- Describe the dental dam and its role in moisture control.
- List the equipment/supplies required for the dental dam and demonstrate placement.
- Prepare and demonstrate placement of a rubber dam and cotton rolls.
- Determine which isolation technique should be selected for a given procedure.