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 135
COURSE TITLE: CHAIRSIDE ASSISTING II
SEMESTER CREDIT HOURS: 3
DEPARTMENT: Dental Assistant
DIVISION: Health Science
PREREQUISITES: DNAS 114 Chairside Assisting I
REVISION DATE: February 2016

COURSE DESCRIPTION:
This course continues and builds upon the principles of working as a team member during restorative and preventive procedures while using various types of dental materials.

COURSE OUTCOMES AND COMPETENCIES:
Students who successfully complete this course will be able to:

1. Identify types of and assist in restorative dentistry procedures.
   - Discuss the role of the dental assistant in a restorative procedure.
   - Discuss the differences in assisting with an amalgam versus a composite restoration.
   - Prepare for and demonstrate assisting during an amalgam restoration and composite restoration.
   - Discuss why retention pins would be selected for a complex restorative procedure.
   - Describe the need for placement of an intermediate restoration.
   - Demonstrate placing and carving an intermediate restoration.
   - Describe the procedure of applying composite veneers.
   - Describe tooth whitening procedures and explain the role of the dental assistant.

2. Identify types of matrix bands and assist in their application.
   - Describe the use of a matrix system in class II, III, and IV restorations.
   - Describe the types of matrices used for posterior and anterior restorations.
• Discuss the purpose of and demonstrate placement of a wedge.
• Demonstrate assembly of a matrix band and universal retainer, placement and removal.
• Demonstrate placement of a plastic matrix.

3. Demonstrate a working knowledge of fixed and removable prosthodontics.
• Compare and contrast fixed prosthesis versus removable prosthesis.
• Differentiate between full crowns, inlays, onlays and veneer crowns.
• Identify components of a fixed bridge and identify home care instructions for a permanent fixed prosthesis.
• Describe the preparation and placement of a cast crown.
• Describe the use of retraction cord prior to taking a final impression.
• Demonstrate the placement and removal of gingival retraction cord.
• Assist in the preparation and cementation of an indirect restoration.
• Differentiate between a partial and full denture.
• Identify indications and contraindications for removable partial and full denture.
• Discuss the construction of an overdenture and an immediate denture.
• Discuss the possible tissue changes as a result of ill-fitting prosthetic devices
• Describe the process of relining or repairing a partial or full denture.
• Identify the necessary steps in infection control of prosthodontic appliances sent to a dental laboratory.

4. Discuss types of provisional coverage and demonstrate skills to produce provisional crowns/bridges.
• Discuss the indications for provisional coverage for a crown or fixed bridge preparation.
• Describe types of provisional coverage and discuss the role of the dental assistant in fabrication of these.
• Identify home care instructions for provisional coverage.
• Fabricate various types of provisional coverage including: custom acrylic crown/bridge, preformed polymer crown and a polycarbonate crown.

5. Discuss and describe dental implants.
• Discuss the indications for and contraindications to dental implants.
• Identify types of dental implants.
• Describe the surgical procedures for implantation.
• Describe home care procedures and follow up visits required after the placement of dental implants.

6. Provide an overview of root canal therapy.
• Describe the diagnostic tests used in endodontic diagnosis.
• List the types of endodontic procedures.
• Discuss and describe the medicaments, dental materials, and instruments used in endodontics.
• Describe surgical endodontics and how it affects treatment.
• Assist in electric pulp vitality test.
- Assist in root canal therapy.

7. Assist in the treatment of patients with periodontal disease to meet the needs of the periodontal practice.
   - Describe the role of the dental assistant in a perio practice.
   - Explain the procedures necessary for a comprehensive perio exam.
   - Identify and describe the instruments used in perio therapy.
   - Identify the indications for placement of perio surgical dressings, and describe the technique for proper placement.
   - Describe the role of radiographs in perio treatment.
   - Describe types and goals of nonsurgical perio therapy.
   - Describe the types and goals of surgical perio therapy.
   - Assist with a prophylactic procedure.
   - Demonstrate perio charting.
   - Prepare and place a non-eugenol erio dressing.
   - Remove a perio surgical dressing.

8. Assist an oral surgeon in oral and maxillofacial surgeries to respond to the needs of the surgical patient.
   - Describe the role of the oral surgery assistant.
   - Identify specialized instruments used for basic surgical procedures.
   - Describe surgical procedures typically performed in a general practice.
   - Describe postoperative care given to a patient after a surgical procedure.
   - Discuss possible complications resulting from surgery.
   - Discuss the importance of the chain of asepsis during a surgical procedure.
   - Perform sterile gloving.
   - Assist in a simple extraction.
   - Assist in suture placement and perform suture removal.
   - Assist in the treatment of alveolitis.
   - Provide post operative instructions for extractions and other surgical procedures.

9. Assist the pedodontist in the treatment of children as required by that discipline of dentistry.
   - Discuss specific behavior techniques that work as positive reinforcement when one is treating children.
   - Describe why children and adults with special needs are treated in a pediatric practice.
   - Describe what is involved in the diagnosis and treatment planning of a pediatric patient.
   - Discuss the importance of preventive dentistry in pediatrics.
   - List the types of procedures that are performed for the pediatric patient compared with those performed to treat patients with permanent teeth.
   - Assist in the placement of a stainless steel crown.

10. Discuss and describe coronal polishing and the benefits in relationship to removal of plaque and stains from the teeth.
• Explain difference between coronal polishing and prophylaxis.
• Explain the indications for and contraindications to a coronal polish.
• Name and describe the types of extrinsic stains.
• Name and describe the two categories of intrinsic stains.
• List and describe types of abrasives used in polishing.
• Demonstrate coronal polishing technique.
• Demonstrate proper seating positions for the operator and the dental assistant during a coronal polish procedure.

11. Discuss the purpose and application of dental sealants.
• Describe the two types of polymerization.
• Explain two ways that dental sealants prevent the development of caries.
• Discuss indications for and contraindications of dental sealants.
• Explain the most important factor in sealant retention.
• Demonstrate procedure for applying dental sealants.

12. Assist in treatment of orthodontic patients to meet the needs of an orthodontic practice or the general dentist providing orthodontic services.
• Describe the types of malocclusion.
• Discuss corrective orthodontics and describe what type of treatment is involved.
• List the types of diagnostic records that are used to assess ortho problems.
• Describe the components of the fixed appliance.
• Describe the use and function of headgear.
• Describe ways to convey the importance of good dietary and oral hygiene habits in the practice of ortho.
• Place and remove separators.
• Assist in the fitting and cementation of ortho bands and brackets.
• Place an arch wire.
• Place and remove ligature ties.
• Place and remove elastomeric ties.