Course Syllabus

Division: Health Professions

Course: DLA 2203 - Chairside Assisting II

Date: Spring, 2009
Semester Hours: 3.0
Lecture hours per week: 2 hrs/wk
Lab hours per week: 2 hrs/wk
Seminar hours per week: 0
Other hours: 0
Prerequisite: Completion of DLA 1203 with a “C” or better
Semester Offered: Sp
Instructor(s): Pattie McGuire

I. CATALOG DESCRIPTION:

This course is a continuation of DLA 1203, Chairside Assisting I. It will require the student to utilize basic chairside assisting skills and principles of four-handed sit-down dentistry, learned in DLA 1203, during dental procedures. Specialty procedures and instrumentation in the areas of restorative, prosthetic, orthodontic, pediatric dentistry, oral surgery, and endodontics will be introduced and practiced. Dental terminology and materials are integrated throughout this course and current OSHA and CDC guidelines for infection control and handling of hazardous materials will be followed.

II. EXPECTED LEARNING OUTCOMES AND RELATED COMPETENCIES:

Upon completion of the course, the student will be able to:

1. Demonstrate a basic understanding of restorative dentistry including the armamentarium necessary and the role of the dental assistant.
   1.1 Describe the classification of cavity forms.
   1.2 Distinguish between cavity walls, floors, and angles used in cavity preparation.
   1.3 Describe the steps of cavity preparation.
   1.4 Describe the placement requirements of common medications used under amalgam and composite restorative material.
   1.5 Identify the parts and describe and demonstrate the assembly and placement of a circumferential matrix band, retainer, and wedge.
   1.6 Identify and assemble the armamentarium and materials used in an amalgam and composite restorative procedure.
   1.7 Describe the function of the basic instruments used in the amalgam and composite restorative procedure.
II. EXPECTED LEARNING OUTCOMES AND RELATED COMPETENCIES:
(con’t)

1.8 Explain the assist the operator with an amalgam and composite procedure.
1.9 Explain procedural modifications in different amalgam procedures.
1.10 Explain the indications for a pin-retained amalgam and identify the associated armamentarium.
1.11 Describe the use of composite resin as a restorative material.
1.12 List the types of cavity preparations that are common with the use of composite resin as a restorative material.

2. Demonstrate a basic understanding of fixed prosthetic procedures including the armamentarium necessary and the role of the dental assistant.

2.1 Describe the scope and objectives of fixed prosthodontics.
2.2 Differentiate between various types of fixed protheses.
2.3 Describe the function, advantages, and disadvantages of various types of fixed protheses.
2.4 Define the principles of tooth preparation in fixed prosthodontics.
2.5 Describe the basic procedural sequence for the preparation and cementation of a fixed protheses.
2.6 Explain the role of the dental assistant in a fixed prosthetic procedure.
2.7 Describe common dental materials used in a fixed prosthetic procedure.
2.8 Identify and assemble the armamentarium and materials used in a fixed prosthetic preparation and cementation procedure.

3. Demonstrate a basic understanding of endodontic procedures including the armamentarium necessary and the role of the dental assistant.

3.1 Describe the scope of endodontics.
3.2 Describe the symptoms and etiology of an endodontically involved tooth.
3.3 Identify and explain diagnostic tests used in endodontics.
3.4 Explain the importance of radiography in endodontics.
3.5 Identify and explain the function of specialized endodontic armamentarium.
3.6 Describe the physical characteristics and function of common intracanal instruments.
3.7 Identify the use and list the types of common intracanal medications.
3.8 Describe the basic procedures common to an endodontic practice.
3.9 Describe surgical procedures commonly found in endodontics.
3.10 Identify the role of the dental assistant in various phases of endodontic treatment.
II. EXPECTED LEARNING OUTCOMES AND RELATED COMPETENCIES: (con’t)

4. Demonstrate a basic understanding of oral surgery procedures including the necessary armamentarium and the role of the dental assistant.
   4.1 Describe the role of the oral surgery assistant.
   4.2 Identify common medical conditions that can affect dental treatment.
   4.3 Identify various types of anti-anxiety techniques, and describe the advantages and disadvantages of each.
   4.4 Identify and describe the function of the types of instruments that are normally found on an oral surgery tray.
   4.5 Describe the steps in tooth extraction.
   4.6 Describe other common oral surgical procedures.
   4.7 Explain common postoperative instructions for an oral surgery patient.

5. Demonstrate a basic understanding of orthodontic procedures including the necessary armamentarium and the role of the dental assistant.
   5.1 Identify and classify the different types of malocclusion.
   5.2 Describe the dental discrepancies that may be present in malocclusion.
   5.3 Identify possible causes of malocclusion.
   5.4 Differentiate between interceptive and corrective phases of orthodontic treatment.
   5.5 Describe the types of diagnostic records used in orthodontic treatment planning.
   5.6 Differentiate between fixed and removable appliances.
   5.7 Identify the components of the fixed appliance system.
   5.8 Describe the biologic mechanism of tooth movement.
   5.9 Identify the basic orthodontic instruments and their use in placement or removal of the appliances.
   5.10 Describe the role of the orthodontic assistant.

6. Demonstrate a basic understanding of pediatric dentistry including the role of the dental assistant.
   6.1 Define the specialty of pediatric dentistry.
   6.2 Describe the scope of pediatric dentistry.
   6.3 Explain the role of the dental assistant in pediatric dentistry.
   6.4 Describe common behavior patterns or stages in children.
   6.5 Describe behavior management of children in the dental office.
   6.6 Identify common treatment procedures in pediatric dentistry.
   6.7 Identify urgent care treatment in pediatric dentistry.
   6.8 List the signs and symptoms of child abuse.
   6.9 Identify materials and equipment unique to pediatric dentistry.
III. COURSE CONTENT:

I. Restorative Dentistry
   A. Introduction
      1. Scope of Restorative Dentistry
      2. Assistant’s Role
      3. Objectives in Restoring Teeth
   B. Cavity Preparation and Restoration
      1. Nomenclature
      2. Specific Cavity Preparation Terminology
      3. Steps in Cavity Preparation
      4. Medication of Preparation
      5. Restorative Materials Used in Operative Dentistry
   C. Amalgam Restoration Procedure
   D. Composite Restoration Procedure

II. Fixed Prosthetics
   A. Indication/Contraindications
   B. Types of Preparations
      1. Full Metal
      2. Porcelain to Metal
      3. Porcelain/Composite
      4. Onlay/Inlay
   C. Gingival Retraction
      1. Mechanical
      2. Chemical
      3. Surgical
   D. Tooth Preparation
   E. Impressions
   F. Temporization
   G. Cementation of Prothesis

III. Endodontics
   A. Introduction
      1. Definition
      2. Purpose of Treatment
      3. Causes of Pulpal Death
      4. Indications/Contraindications
   B. Diagnosis and Treatment Plan
      1. Recognition of Symptoms
      2. Diagnostic Aids
   C. Common Diseases of the Pulp and Periapical Tissues
      1. Pulpal Diseases
      2. Periapical Diseases
   D. Auxiliary’s Role
      1. Pre-Treatment
      2. Treatment
      3. Post-Treatment
III. COURSE CONTENT: (con’t)

E. Instrumentation
1. Common Procedures
2. Asepsis
3. Common Materials and Medicaments
4. Filling Materials
5. Miscellaneous Materials

F. Endodontic Treatment
1. Pulpectomy
2. Other Treatments

IV. Oral Surgery
A. Introduction
1. Definition
2. Realm of Oral Surgery
3. Indication/Contraindications

B. Auxiliaries Role
1. Diagnosis
2. Pre-operative
3. Operative
4. Post-operative

C. Instrumentation
1. Forceps
2. Elevators
3. Miscellaneous

D. Diagnostic Evaluation
1. Medical & Physical Exam
2. Biopsy
3. Cytology Smear

E. Pain and Anxiety Control
1. Premedication
2. Anesthesia
3. Postmedication

F. Common Surgical Procedures

V. Orthodontics
A. Introduction
1. Definition
2. Categories of Treatment
3. Etiology of Treatment

B. Facial and Dental Discrepancies
1. Classifications of Malocclusions
2. Terminology to Describe Tooth Positions

C. Instrumentation
1. Orthodontic Pliers
2. Banding Instruments
3. Miscellaneous Instruments
III. COURSE CONTENT: (con’t)

D. Treatment Sequencing
   1. Diagnosis
   2. Consultation
   3. Interceptive Techniques
   4. Full Corrective Treatment
   5. Retention

E. Role of the Auxiliary
   1. Diagnosis
   2. Oral Hygiene Instruction
   3. Treatment

VI. Pediatric Dentistry
A. Introduction
   1. Definition of Speciality
   2. History of Treating Children
   3. Objectives for Treatment
   4. Dental Problems Encountered by Children

B. Patient Management
   1. Role of Auxiliary
   2. Common Characteristics of Children’s Behavior
   3. Characteristics of Childhood Age Groups
   4. Communicating with Children

C. Common Pediatric Procedures
   1. Importance of Restoring Children’s Teeth
   2. Diagnosis and Treatment Plan
   3. Pre- and Post-operative Medication
   4. Common Procedures

IV. INSTRUCTIONAL METHOD:

Lecture

Classroom Discussion

Text Assignments

Demonstration

Visual aids - videos, transparencies, charts & models

Computers - tutorial software, research

Exams & quizzes

Laboratory practice of skills/ Role playing

Guest lecturers
V. INSTRUCTIONAL MATERIALS:


s. Computer Software - Dental Instrument Series
   - Interactive Dental Office
   - Crest Dental Resource Net
   - Delmar’s Dental Assisting

Videos -
   - Dentistry Series
   - Dental Health Series
   - Dental Careers
   - Management of Child Behavior in the Dental Office
   - One by One: Making a Difference (PANDA)
   - Four-handed Dentistry Series

Demonstration models and mannequins

Miscellaneous dental equipment, instruments, and supplies

VI. STUDENT REQUIREMENTS AND METHODS OF EVALUATION:

Lecture: Reading assigned materials, note taking and participation in classroom discussion is expected.

Written examinations are used to evaluate student progress and comprehension. A comprehensive final exam will be given at the end of the semester. All grades from these exams will be averaged equally to determine the students final lecture grade.

Laboratory: Students are required to wear white lab coats in the laboratory and follow the posted rules.

All skills must be successfully completed by the student to pass the lab and for continuation in the Dental Assisting Program.

Quizzes will be given to evaluate student comprehension.

Laboratory performance notes will be kept by the instructor for each student. These notes, along with the quiz grades will be used to determine the students’ final laboratory grade.

Final Grade: A grade of a ‘C’ is required in the lecture portion and in the laboratory portion of this course for graduation from the Dental Assisting Program. The students’ final grade will be calculated:

75% Lecture grade
25% Laboratory grade
VI. STUDENT REQUIREMENTS AND METHODS OF EVALUATION: (con’t)

The following grading scale will be used as a guide in determining the final grade for this course:

- **A** = 90 - 100%
- **B** = 80 - 89%
- **C** = 70 - 79%
- **D** = 60 - 69%
- **F** = 0 - 59%

For attendance and testing policies, see the Dental Assisting Student Handbook.

VII. REFERENCES:


References:


*Legal and Ethical Considerations for Dental Hygienists and Assistants*, Davison, Mosby, 2000.


