

SOUTHEAST COMMUNITY COLLEGE

HEALTH SCIENCES DIVISION

DENTAL ASSISTING

Revision Date: 8/22

[Syllabus Statements](#)

I. CATALOG DESCRIPTION

Course Number: DENT 1116
Course Title: Dental Procedures
Prerequisite(s): Admission to the program

Catalog Description: This course covers lab and clinical competencies that are essential dental assisting skills. These functions include patient care operator preparation, occupational exposure protocol techniques, chairside skills, vitals and patient documentation, instrument identification and exchange, medical emergencies and preparation and practice of operative dental procedures with the manipulation of various types of dental materials utilized in the procedures.

Credit Hours: 4.5
Class Hours: 30
Lab Hours: 113
Total Contact Hours: 143

II. COURSE OBJECTIVES: *Course will:*

1. Introduce professional attire and dental terminology.
2. Introduce universal precautionary practices and personal protective equipment
3. Introduce preparation and decontamination of the dental operator
4. Introduce basic chairside patient care techniques.
5. Assist with gathering and recording medical data.
6. Identify various common medical emergencies.
7. Introduce equipment and supplies and correctly manipulate materials commonly used dentistry.
8. Organize hand instruments by name, use and arrange sequentially in procedural order.
9. Demonstrate basic four-handed preclinical to clinical assisting.
10. Classify and assist with general dentistry operative procedures (indirect or direct restorations).

Note: Unit objectives are located in the learning management system within each unit of study.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *The student will be able to:*

1. Consistently demonstrate professional attire, appearance and use of appropriate professional terminology.
2. Select appropriate personal protective equipment and apply universal precautionary practices.
3. Demonstrate decontamination and preparation of a dental treatment room.
4. Demonstrate the use of the evacuation and air/water syringe while retracting oral tissues and exchanging instruments.
5. Understand basic concepts of microbiology relating to a dental setting.
6. Consistently demonstrate patient data gathering and administration of vital signs.
7. Recognize and respond appropriately to basic dental and medical emergencies.

8. Assemble appropriate equipment and supplies and correctly manipulate materials commonly used in operative care.
9. Consistently utilize correct terminology to locate teeth, tooth surfaces and cavity walls.
10. Identify, prepare and assemble appropriate equipment to assist with the application of the isolation (rubber dam).
11. Identify, prepare and assemble appropriate equipment to assist with the application of different matrices.
12. Recognize, select appropriately, and attach handpieces used in dental procedures.
13. Given a selection of rotary instruments, select appropriately and attach to dental hand piece.
14. Identify hand instruments by name, use and arrange sequentially in order of use.

B. GENERAL EDUCATION LEARNING OUTCOMES

GELO 3: Critical Thinking and Problem Solving

Outcomes: Collect, identify, interpret and analyze data.

IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information*)

A. PATIENT CARE:

1. Hand Hygiene and Personal Protective Equipment (PPE)
2. Administration of Vital Signs, Patient Data Gathering, Medical Emergencies
3. Dental Equipment and Operatory Preparation
4. Infection Control Standards and Operatory Decontamination
5. Instrument Recirculation:
 - Precleaning/Packaging items
 - Sterilization/Disinfection items
 - Handling Processed or Clean items
6. Positioning of the Dental Team and Seating/Dismissal of Patient
7. High Velocity Evacuation, Retraction, and Clear Field of Operation
8. Instrument Exchange

B. INSTRUMENTS SETUPS AND MATERIALS

1. Instrument Identification and Basic Use
 - Identify Parts of a Hand Instrument
 - Name and Use
 - Select Instruments for Procedure
2. Dental handpieces/ Rotary instruments for handpieces
 - Identify Parts of Handpieces
 - Name and Use
 - Select and Assemble Proper Attachment with bur
3. Rubber Dam/ Matrix System
 - Instruments and Use
 - Equipment and Supplies
 - Assist with Placement
4. Chairside Manipulation of Dental Materials
 - Cavity varnish/liner, provisional and permanent cements
 - Restorative procedures: Composite, Glass Ionomer, Amalgam
 - Impression Materials

V. INSTRUCTIONAL MATERIALS REQUIRED

A. Required Text(s):

Bird and Torres. **Modern Dental Assisting** (current edition). Saunders. (textbook)

Miller. **Infection Control and Management of Hazardous Materials for the Dental Team** (current edition). Mosby

Bartdomucci, B. **Dental Instrument Pocket Guide** (current edition). Saunders.

Stuhr. **Modern Dental Terminology Online** (current edition) Saunders (online-text).

VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

1. Lecture
2. Demonstration
3. Handout Materials
4. Class Participation/Presentations
5. Case Studies and Group Work
6. Power Point slides and videos
7. Activity worksheets
8. Engaged learning activities

VII. METHODS OF EVALUATION

A. Methods of evaluation typically include a combination of assignments, quizzes, exam, projects, skill checkoffs, etc. For grading expectations, please see the course information document.

SCC STANDARD GRADING SCALE POLICY:

A+	95-100	C+	75-79
A	90-94	C	70-74
B+	85-89	D+	65-69
B	80-84	D	60-64
		F	Below 60

VIII. SPECIFIC COURSE REQUIREMENTS

A. ATTENDANCE

Attendance is crucial to the success of this course. Any class missed could mean valuable missed information, which is difficult to obtain. Please notify the instructor of any pending absences or if you will be late prior scheduled time. See Program Handbook for all program policies.

Please see course information document for course policies related to grading, expectations, assignments, assessments, and participation.