

El Paso Community College

Syllabus Part II

Official Course Description

SUBJECT AREA	<u>Dental Assisting</u>
COURSE RUBRIC AND NUMBER	<u>DNTA 1353</u>
COURSE TITLE	<u>Dental Assisting Applications</u>
COURSE CREDIT HOURS	<u>3 1 :</u> Credits Lec Lab

I. Catalog Description

Provides an expanded study of dental assisting techniques with emphasis on four-handed dentistry and utilization of armamentarium for general practice and specialty procedures. A grade of "C" or better is required in this course to take the next course. **Corequisite: DNTA 1315. (1:5). Lab fee. Professional Practice Insurance required.**

This course is considered the preclinical course accompanying DNTA 1315.

II. Course Objectives

A. Unit I. Oral Health Care

1. Describe how plaque forms and affects the tooth.
2. Identify motivation tips for oral hygiene for all ages.
3. Identify the oral hygiene aids available to all patients, including manual and automatic.
4. Demonstrate the five toothbrushing techniques.
5. Identify types of dental floss and demonstrate flossing technique.

B. Unit II. Preparation for Patient Care

1. Assist the patient in completing the patient history.
2. Review and update the medical and dental history. Alert the dentist to any areas of concern.
3. Perform and assist the dentist in an intra and extra oral examination.
4. Perform vital signs on the patient, to include temperature, pulse, respiration, and blood pressure.
5. Read the vital signs. Alert the dentist if they are abnormal.
6. Document treatment rendered and planned on the patient chart.

C. Unit III. Emergency Management

1. Describe several emergency situations that may take place in the dental office. Explain how the dental team must be prepared for these possibilities.
2. Review cardiopulmonary resuscitation (CPR).
3. Describe and demonstrate the use of mechanical aids in an emergency.
4. Review foreign body airway obstruction (FBAO).
5. Describe the dental office emergency kit and its contents.

6. Discuss basic medical emergencies that might occur in the dental office and the treatment of such emergencies. Demonstrate basic techniques

D. Unit IV. Introduction to Chairside Procedures

1. Demonstrate patient management skills associated in dental.
2. Describe verbal and non-verbal communication.
3. Demonstrate methods for “calming” a anxious patient.
4. Demonstrate the “tell-show-do” approach and state when this approach would be used. Demonstrate the care of patients with special needs: the child patient, senior patient, pregnant patient, hearing impaired or blind patient, and wheelchair or walker bound patients.
5. Discuss the dental office design.
6. Discuss all pieces of equipment found in a dental operator and demonstrate how each piece functions.
7. Demonstrate maintaining and preventive maintenance of the operator and equipment.
8. Demonstrate the concepts of dental assisting with emphasis on the activity zones (clock position) and classifications of motions.
9. Demonstrate the preparation of the treatment area.
10. Demonstrate the seating and dismissal of the patient from the treatment area.
11. Explain the factors which must be considered when selecting operator, assistant and patient position.
12. List the working position of the dental health care team and the equipment during dental procedures.

E. Unit V. Microbiology, Infection, and Disease Transmission

This unit provides the student with basic information concerning microbiology, microorganisms that cause disease, infection, and disease transmission. Due to the complexity of this unit, objectives will be given to the students as a addendum.

F. Unit VI Infection Control

1. Demonstrate the principles of infection control, including medical history, hand washing, standard precautions (personal protective equipment (PPE's), barriers, and sterilization), chemical disinfectants, ultrasonic cleaners, sterilizers, and instrument storage.
2. List and demonstrate the usage of the various chemical and their applications as used in dentistry.
3. Demonstrate the various types of sterilizers utilized in dentistry and sterilization monitors.
4. Demonstrate the correct protocols and solutions used for cleaning, disinfecting, and sterilization.
5. Identify methods of reducing the bacterial count in a patients mouth prior to beginning a dental procedure
6. Define all related terminology.

G. Unit VII. OSHA's General and Hazardous Communication Standard

1. Apply the principles of OSHA's General and Hazard Communication Standards to include employee training, safety, documentation requirements, exposure determination.
2. Apply the use of engineering and work practice controls.
3. Demonstrate the use of material safety data sheets (MSDS's), labeling and manuals.
4. Demonstrate housekeeping/ laundry protocols.
5. Demonstrate the disposal of biohazardous waste.

- H. Unit VIII. Chairside Instruments and Tray Systems
1. Describe the grasps, positions and transfer of instruments for a given procedure with emphasis on asepsis.
 2. Identify the parts of an instrument and describe how instruments are identified. 4.1
 3. Identify the categories and factions of dental burs and diamonds.
 4. Identify the types and functions of abrasives.
 5. Identify the various types of handpieces and attachments.
 6. Identify the types of tray systems and color-coding systems.

- I. Unit IX. Dental Charting
1. Demonstrate dental chart and the types of numbering systems.
 2. Identify the symbols and colors used to represent conditions present in the oral cavity.
 3. Explain and demonstrate the methods of charting the permanent and deciduous teeth.
 4. Demonstrate cavity classification.

- J. Unit X. Maintaining the Operating Field
1. Demonstrate the rationale for maintaining the operating field.
 2. Explain and apply the steps in maintaining an excellent operating field as follows:
 1. Illuminate the field
 2. Evacuate the field
 3. Increase the field of vision
 4. Wet/dry field

III. THECB Learning Outcomes (WECM)

1. Assemble tray setups and materials for designated general and specialty procedures; record patient chart information
2. Maintain clear field of vision including isolation techniques.
3. Utilize chairside ergonomics.
4. Apply OSHA and other regulatory agencies' standards.

IV. Evaluation

This course consists of class participation, presentations, examinations, issue paper, and the beginning stages of the planning of table clinics as related to dentistry.

1. Presentations

Class and/or group presentations: students will be graded on the quality of their participation and contribution to the production of the presentation.
2. Special patients paper

This section of the special patients paper accompanies the special patient paper in DENTA 3115. This portion of the paper identifies the aids required for the particular patient to accomplish daily oral health care. The student must prepare examples of the aids.

3. Examinations

There will be unit examinations announced on the calendar and a comprehensive final. Anyone finding it unable to attend the class during an examination must inform the instructor of the absence and make arrangements (if it is a take home exam) for the exam to be delivered to the class at or before class time. Failure to do so will result in a zero (0) for that exam. Any missed exam must be made up within one (1) week of the scheduled exam date and will have a automatic five (5) points deducted from the exam. Extenuating circumstances will be dealt with on an individual basis.

4. Quizzes

Quizzes may be announced or unannounced.

5. Grading scale

This course will be determined by the following:

Class presentations and participation	10%
Unit exams	60%
Quizzes	10%
Special patients project	<u>20%</u>
	100%

Grading Scale

A = 100 - 93

B = 92-84

C = 83-75

F = 74 and below

V. Disability Statement (American with/Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.