

**El Paso Community College**  
**Syllabus**  
**Part II**  
**Official Course Description**

<b>SUBJECT AREA</b>	<u><b>Dental Assisting</b></u>
<b>COURSE RUBRIC AND NUMBER</b>	<u><b>DNTA 1315</b></u>
<b>COURSE TITLE</b>	<u><b>Chairside Assisting</b></u>
<b>COURSE CREDIT HOURS</b>	<u><b>3            2            :            4</b></u> Credits    Lec            Lab

**I. Catalog Description**

Introduces pre-clinical chairside assisting procedures, instrumentation, OSHA and other regulatory agencies standards, infection, and hazard control protocol, equipment safety and maintenance. A grade of “C” or better is required in this course to take the next course. **Corequisite: DNTA 1353. (2:4). Lab fee.**

**II. Course Objectives**

- A. Unit I. Introduction to the Dental Profession
1. Identify oral disease indications from the beginning of time.
  2. List the names of individuals who had a great impact on the profession of dentistry.
  3. Identify the individuals who have promoted education and organized dentistry.
  4. Discuss the technological changes, economic and political factors and the changing life styles as they impact upon Dentistry from the “roots to the present”.
  5. Identify the eight specialties of dentistry.
  6. Discuss generally what career skills are preformed by the member of the dental health care team.
  7. Discuss the organizations structure associated with the Dental Health Care Team and the emphasis they play on our professional lives.
  8. Begin to discuss issues involved in the delivery of quality dentistry.
  9. Define all related terminology.
- B. Unit II. Preparation for Patient Care
1. Discuss a complete patient medical history.
  2. Discuss the rationale and criteria for conducting an intra and extra oral examination.
  3. Discuss vital signs.
  4. Discuss the rationale and criteria for treatment rendered and treatment planned.
  5. Discuss all related terminology.
- C. Unit III .Emergency Management
1. Discuss 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. Discuss the use of mechanical aids in an emergency.
  4. Review foreign body airway obstruction (FBAO).
  5. Discuss 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.
  7. Define all related terminology.
- D. Unit IV. Introduction to Chairside Procedures
1. Discuss patient management skills associated in dental.
  2. Describe verbal and non-verbal communication.
  3. Discuss methods for “calming” an anxious patient.
  4. Discuss the “tell-show-do” approach and state when this approach would be used.
  5. Discuss patients with special needs: the child patient, senior patient, pregnant patient, hearing impaired or blind patient, and wheelchair or walker bound patients.
  6. Discuss the dental office design.
  7. Discuss all pieces of equipment found in a dental operator and how each piece functions.
  8. Discuss maintaining and preventive maintenance of the operator and equipment.
  9. Discuss the concepts of dental assisting with emphasis on the activity zones (clock position) and classifications of motions.
  10. Discuss the preparation of the treatment area.
  11. Discuss the seating and dismissal of the patient from the treatment area.
  12. Explain the factors, which must be considered when selecting operator, assistant and patient position.
  13. List the working position of the dental health care team and the equipment during dental procedures.
  14. Define all related terminology.
- 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 an addendum.
- F. Unit VI. Infection Control
1. Identify the rationale, regulations, recommendations, and training that govern infection control in the dental office.
  2. Discuss the scope of the OSHA Bloodborne Standard to include employee training, safety, documentation requirements, and exposure determinations.
  3. Discuss how pathogens travel from person to person in the dental office.
  4. List the primary routes of microbial transmission and the associated dental procedures that affect the dental health care team.
  5. Discuss 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.
  6. Discuss and list the various chemical and their applications as used in dentistry.
  7. Discuss the various types of sterilizers utilized in dentistry and sterilization monitors.
  8. Discuss the correct protocols and solutions used for cleaning, disinfecting, and sterilization.
  9. Identify methods of reducing the bacterial count in a patient's mouth prior to beginning a dental procedure
  10. Define all related terminology.
- G. Unit VII. OSHA's General and Hazardous Communication Standard
1. Discuss the scope of OSHA's General and Hazard Communication Standards to include employee training, safety, documentation requirements, exposure determination
  2. Engineering and work practice controls.
  3. Discuss occupational exposures to Bloodborne pathogens and post-exposure protocols.
  4. Discuss material safety data sheets (MSDS's), labeling and manuals.
  5. Discuss housekeeping/ laundry protocols.

6. Discuss the disposal of biohazardous waste.
  7. Define all related terminology.
- 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. Discuss the parts of an instrument and describe how instruments are identified.
  3. Discuss the categories and factions of dental burs and diamonds.
  4. Discuss the types and functions of abrasives.
  5. Discuss the various types of handpieces and attachments.
  6. Discuss the types of tray systems and color-coding systems.
  7. Define all related terminology.
- I. Unit IX. Dental Charting
1. Discuss 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 the methods of charting the permanent and deciduous teeth.
  4. Discuss cavity classification.
  5. Define all related terminology.
- J. Unit X. Maintaining the Operating Field
1. Discuss the rationale for maintaining the operating field.
  2. Explain the steps in maintaining an excellent operating field as follows:
    - a. Illuminate the field
    - b. Evacuate the field
    - c. Increase the field of vision
    - d. Wet/dry field
  3. Define all related terminology.

### III. THECB Learning Outcomes (WECM)

1. Select armamentarium for introductory dental skills.
2. Implement infection and hazard control protocol.
3. Practice equipment safety.
4. Perform equipment maintenance.
5. Demonstrate specific pre-clinical chairside assisting procedures.

### 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.

- A. Presentations  
Class and/or group presentations: students will be graded on the quality of their participation and contribution to the production of the presentation.
- B. Issue Paper  
A paper on special patients will be assigned with the following criteria:
- |    |                 |     |
|----|-----------------|-----|
| 1. | Cover sheet     | 5%  |
| 2. | Topic           | 10% |
| 3. | Thesis sentence | 5%  |
| 4. | Body            | 50% |
| 5. | Conclusion      | 10% |

6.	Bibliography	10%
7.	Length	<u>10%</u>
		100%

Paper must be 6 pages minimum, double spaced, typed.

- C. 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
- D. Quizzes  
Quizzes may be announced or unannounced.
- E. Grading scale  
The course grade will be determined by the following:

Unit Exams	40%
Quizzes	10%
Special patient paper	20%
Laboratory assignments	30%

#### 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.