

DA A101: PATIENT CARE FOR DENTAL ASSISTANTS

Item	Value
Curriculum Committee Approval Date	02/10/2021
Top Code	120100 - Health Occupations, General
Units	2 Total Units
Hours	54 Total Hours (Lecture Hours 27; Lab Hours 27)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

Course Description

This course must be taken in the first eight weeks of the fall semester prior to the first clinical rotation and in addition to the other mandatory dental assisting courses. Content includes orientation to the clinical setting including legal and ethical issues, patient care techniques, emergency interventions, dental asepsis and instrument processing, CPR (HCP) level, OSHA blood borne pathogen training, disease transmission and infection prevention, HIPAA training and waste management. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. The student will perform basic skills of patient care such as safely and effectively moving patients, performing patient assessments including taking an accurate blood pressure, pulse, temperature and respiration rate, becoming certified in CPR at the health care provider level, describe issues affecting patient care including HIPPA, blood borne pathogens, legal/ethical concerns and principles of disease transmission and prevention.

Course Objectives

- 1. Demonstrate safe techniques for moving dental patients from a wheelchair to dental operatory chair.
- 2. Accurately measure and document vital signs, which include blood pressure, pulse and temperature.
- 3. Perform Basic Life Support- CPR and obstructed airway maneuvers following the guidelines for the health care provider
- 4. List and explain the ethical principles and legal implications involved in dentistry.
- 5. Recognize causes, signs and symptoms of common dental and medical emergencies and first aid management, and demonstrate treatment protocol in assisting and preventing common dental medical emergencies.
- 6. Expound on the principles of prevention of contamination by blood borne and airborne pathogens.
- 7. Demonstrate minimal competency in prevention of disease transmission and infection control standards mandated in dental practice.

- 8. Identify common communicable diseases and the mode of transmission of each.
- 9. Demonstrate understanding of HIPAA principles related to patient care and charting in the dental practice.
- 10. Identify indications for oxygen therapy and demonstrate proper oxygen tank functions and administration.
- 11. Describe and demonstrate effective communication skills with dental team, dentist and patients.
- 12. Describe common drugs used in dentistry, and demonstrate understanding of drug requirements, agencies and regulations.
- 13. Describe the elements of a prescription for drugs/medications commonly used in dentistry.
- 14. Demonstrate understanding of drugs actions, side effects, indications and contraindications commonly used in dentistry.
- 15. Demonstrate understanding of drugs and agents used to treat dental infections.
- 16. Categorize and differentiate the microbiology of common types of oral bacteria and viruses.
- 17. Recognize systemic diseases associated with oral bacteria.
- 18. Demonstrate the completion of an accurate health history questionnaire and relate significant findings to proposed dental treatment.
- 19. List antibiotic pre-medication standards practiced in dentistry and describe the concept of antibiotic resistance.

Lecture Content

Lecture Content: A. Basic Patient Assessment: 1. Measuring and documenting of vital signs: a. Temperature, pulse, blood pressure and respiration b. Normal compared to abnormal conditions B. Legal and Ethical Issues: 1. Dental Assisting Professional Code of Ethics and Principles a. Patients Bill of Rights b. Statutes and Terminology i. Good Samaritan ii. Abandonment iii. Duty to Act iv. Standard of care, negligence, malpractice, professional liability c. Informed consent, refusal of treatment d. Issues of confidentiality and HIV positive patients 2. Legal documentation, guidelines for charting and notes in patient chart 3. HIPAA principles and protocols 4. Cardiopulmonary Resuscitation: a. Introduction to CPR according to health care provider guidelines b. Common causes of unexpected death c. Predisposing factors to heart disease and stroke d. Signs and symptoms of heart attack and stroke e. Prudent heart and stroke lifestyle f. Difference between clinical and biological death g. Principles and techniques of adult, child and infant CPR h. A.E.D. (Automatic external defibrillator) i. Principles and techniques for the relief of an adult, child, and infant b obstructed airway, conscious and unconscious, following health care provider guidelines. j. Two person CPR techniques, to include entry and switches k. Principles and techniques for barrier device use during CPR 5. Basic Patient Assessment: 1. Measuring and documenting of vital and Diagnostic signs: a. Temperature, pulse and respiration. b. Skin spectrum c. Neurological procedural technique and accuracy d. Normal compared to abnormal conditions. 6. Special considerations in CPR: 1. Initiation of CPR 2. When to call for help 3. What to do if patient vomits 4. What to do with dentures 5. How to deal with gastric distention 6. Barriers to effective ventilation 7. Surface and position for CPR and obstructed airway, neck/back injury considerations 8. Signs of partial airway obstruction 9. CPR Considerations a. Commonest cause of cardiac arrest in children and infants b. When to stop CPR c. Code Blue in the hospital and DNR orders d. Common complications of

CPR 10. Medical emergencies and interventions: 1. Common medical emergencies and the appropriate intervention: a. Bleeding/control of bleeding b. Shock i. hypovolemic shock: hemorrhagic, non-hemorrhagic; metabolic ii. cardiogenic shock iii. low-resistance shock: psychogenic, anaphylactic, neurogenic, septic c. Hyperventilation d. Seizures e. Myocardial Infarction (heart attack) f. Cerebral Vascular Accident (CVA/stroke) 11. Infection control: 1. Principles of Medical Asepsis 2. Hand washing 3. Personal protective equipment, donning and removal 4. Common Communicable Disease and the mode of transmission a. Links in the infectious disease chain b. Precautions/immunizations c. Diseases spread by droplet mode d. Diseases spread by intestinal route e. Diseases spread by blood, Hepatitis B vaccine awareness f. OSHA guidelines g. Other: tetanus, herpes, lice, scabies h. Nosocomial infections 12. Blood and airborne pathogens; OSHA guidelines 7. Standard (Universal) precautions 8. Disposing of soiled linen, instruments and or dressings 9. Sterilization Techniques 13. Oxygen therapy: 1. Principles of oxygen therapy, to include the indications for oxygen therapy 2. Hazards of oxygen therapy 3. Types of hypoxia p> 4. Oxygen delivery systems 5. Introduction to pulse oximetry 14. Introduction to Communication Skills 1. Components of effective interpersonal communications 2. Listening skills and non-verbal communication 3. Barriers to effective interpersonal communications 4. Patient labels and communication from the patients perspective 5. Assisting with health history and preparing the dental/medical record

Lab Content

A. Demonstrate minimal competency donning and removing personal protective equipment, which includes donning and removing gloves, masks, eyewear and disposable gowns. B. Demonstration and hands on practice in taking a patients vital signs: 1. Blood Pressure Skill Evaluation 2. Temperature, Heart Rate, and Respiration Skill Evaluation C. Demonstrate accurate completion of a patient medical/dental health history, following HIPAA confidentiality protocols. D. Demonstration and hands on practice in lifting and moving a patient: 1. Moving patient from wheelchair to dental operator chair and back to wheelchair. D. Demonstration and hands on practice with aseptic technique utilizing sterilization protocols using equipment found in the dental office, E. Demonstration and hands on practice in setting up and delivering oxygen therapy 1. Oxygen Therapy Skill Evaluation with and hands on practice 2. Assessing oxygen tank integrity and volume F. CPR practice and skill evaluation for Adult, pediatric and Infant. Skill check offs for CPR with adult with AED and infant.

Method(s) of Instruction

- Lecture (02)
- Lab (04)

Instructional Techniques

Lecture and application of ideas Demonstration of various approaches to problem solving Class discussions Skill demonstration and return demonstration

Reading Assignments

Students are expected to spend a minimum of two hours per week outside of class in preparation of each hour of class.

Writing Assignments

1. A portion of the exams and quizzes include short answer 2. Completion of reports which include patient information and vital signs and other

parameters such as medical and dental health history 3. Proficiency demonstrations include several evaluated "practicum" applications where students must demonstrate laboratory skills. 4. Completion of self-evaluations and instructor evaluation for each laboratory skill.

Out-of-class Assignments

Appropriate outside assignments included assigned reading in texts, outlining text material, and reviewing for exams.

Demonstration of Critical Thinking

The student must pass the written CPR examination with 84% or better. All other exams and quizzes students must pass with a 70% grade or better to pass the course. 1. Levels of Testing: Testing will include multiple choice, written short answers, and true/false type questions. This will require the student to demonstrate: a. Memory: both total recall and recognition are necessary b. Interpretation: The student must be able to use specific vocabulary

Required Writing, Problem Solving, Skills Demonstration

In the laboratory setting the student will demonstrate minimal competency on all assigned skills through evaluation by the instructor d. Analysis: Synthesis and evaluation by both instructor and student are involved in all areas of the course.

Eligible Disciplines

Dental technology (dental assisting, dental hygiene): Any bachelors degree and two years of professional experience, or any associate degree and six years of professional experience.

Textbooks Resources

1. Required Bird, D., Robinson, D. . Modern Dental Assisting, 2018 ed. St.Louis: Elsevier Saunders, 2021

Manuals Resources

1. Heather Moreno . Patient Care for the Dental Assistant, Instructor created course manual , 06-01-2021