COURSE INFORMATION FORM

DISCIPLINE

Allied Health / DENA

COURSE TITLE

Chairside Assisting I

CR.HR. 5  LECT HR. 3  LAB HR. 4  CLIN/INTERN HR. 0  CLOCK HR. 0

CATALOG DESCRIPTION

The course introduces the students to various dental terminologies and responsibilities as a dental assistant in the dental operatory which includes patient preparation, record keeping, delivery of pre and post-op instructions, methods of oral evacuation, utilization of rubber dam, matrix, anesthetic, fluoride, wedge, assisting with amalgam and composite procedures, coronal polishing techniques and assisting during dental and medical emergencies. The above responsibilities will be performed using standard considerations for infection control.

PREREQUISITES

DENA 101, DENA 102, DENA 103, DENA 104, DENA 105, EMS 100

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

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

1. Identify dental specialties, members of the dental health team stating each one's role and the educational requirement.

2. Demonstrate an understanding of the professional ethics and Missouri State Dental Practice Act.

3. Demonstrate seating, preparation and dismissal of a patient following treatment employing communication in a professional manner.

4. Demonstrate standard universal precautions for infection control and prepare and sterilize instruments.

5. Apply basic chairside functions to include: obtaining and recording vital signs, medical and dental history, obtaining and maintaining patient records, deliver pre and post-op instructions, oral evacuation methods, instrument transfer, preparation of local anesthesia in a dental office setting and assist in dental and medical emergencies.

6. Discuss the types of PPE and the proper sequence of donning and removing personal protective equipment.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

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<th>Outcomes</th>
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Revised 12/9/13
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Carry out the role and function of a Dental Assistant.
   • Administer assessments appropriately and professionally.

3. Exhibit professional code of ethics and values of the profession.
   • Articulate unique nature and importance of occupation to varied audiences.
   • Articulate roles of Dental Assisting in process of screening and evaluation in a variety of settings.
   • Demonstrate professional responsibilities of a dental assistant in the field.
   • Demonstrate knowledge of state and federal regulatory legislative actions and their effect on delivery of dental assisting.

4. Function as integral member of dental health care team.
   • Understand and follow the appropriate supervision protocol between dentist and assistant.

5. Understand importance of lifelong learning to promote personal and professional growth.
   • Understand the importance of improving academic and clinical skills to enhance occupational performance.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written Examinations, 1-6
2. Assignments, 1-6
3. Papers, 1-6
4. Quizzes, 1-6
5. Student Performance Evaluations, 1-6
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. The Dental Suite
   A. The Dental Office Design
   B. Treatment Room
II. Dental Office Equipment
III. Isolation Procedures
IV. Vital Signs
   A. Reasons for taking Vital Signs
   B. Physiology of a Vital Sign
   C. How to Take a Vital Sign
   D. Equipment Used
      1. Blood pressure
      2. Pulse
      3. Respirations
      4. Temperature
V. Medical Dental History
   A. Dental Assistants Role
   B. Charting Oral Conditions
   C. Extra Oral Examination
   D. Intraoral Examination
   E. Terms Used to Describe Conditions of the Periodontium
   F. Periodontal Examination
   G. Healthy Gingiva
   H. Proofing the Periodontium
   I. Function and Mobility
   J. Classification of Occlusion
   K. Radiographic Findings
   L. Additional Procedures
   M. Case Presentation
VI. Four-Handed and Six-Handed Dentistry
   A. Four-Hand Instrument Transfer
   B. Six-Hand Dentistry and Utilization of a Second Assistant
VII. Preparation of the Dental Operatory
   A. Background
   B. Classification of Instruments, Equipment and Surfaces as they relate to Disinfection and Sterilization
   C. Classification of Chemical Sterilant and Disinfectants
   D. Selecting Disinfectants
   E. Treatment Room Care
F. Guidelines for Treatment Room Care
G. Spray-Wipe-Spray Tech
H. Using Barrier for Infection Control

VIII. Basic Dental Instruments
   A. Structural Parts of Hands Instruments
   B. Basic Classifications of Dental Instruments
   C. Classification by Number Working Ends
   D. Classification by Function
   E. Manufacture's Number
   F. Black's Numbering System
   G. Cutting Instruments
   H. Non-Cutting Instruments
   I. The Basic Set-Up
   J. Plastic Filling Instruments
   K. Plastic Filling Instruments/Composite Instruments
   L. Amalgam Carriers and Condensers
   M. Carvers, Burnishers, Files
   N. Misc. Instruments
   O. Dental Rotary Instruments
   P. Parts and Types of Burs
   Q. Abrasives
   R. Mandrels
      1. Discs
      2. Stones, rubber wheels, rubber points
   S. Dental Hand Pieces

IX. Chairside Assisting
   A. Instrument Transfer
   B. Instrument Grasps
   C. Instrument Transfer Modifications
   D. Evacuation System
      1. High volume evacuation
      2. HVE placement
   E. Dental Examination
      1. Intra oral
      2. Extra oral
      3. Overall appearance
   F. Set-Up
   G. Activity Zones
   H. Pre- and Postop instructions
   I. Assist with Dental and Medical emergencies

X. Preventive Dentistry
   A. Plaque
   B. Patient Motivation
   C. The Dental Patient
   D. Home Care
   E. Oral Hygiene Aids
   F. Intradental Aids
   G. Tooth Brushing Techniques
   H. Tongue Brushing
I. Flossing
J. Care of Prosthetic Devices